Dear Customer,

In pursuing our drive towards an increased level of service to our customers, Digital recognises the importance of local industry.

When selling in Australia or New Zealand, it is imperative to be able to supply software which is tailored to local requirements.

Often, this is best done by home-grown talent. To this end, Digital has formed a number of key relationships with independent software houses who are able to provide a more complete solution to our customers by orienting their efforts either to vertical markets, or to applications, or to technologies (such as office automation or artificial intelligence).

We are therefore proud to provide our customers with this Software Referral Catalogue which incorporates the products of such companies.

We trust that this catalogue will not only be of benefit to our customers, but also provide a further impetus to the talented Australian and New Zealand software industries.

Yours faithfully,

Nick Ramensky
Marketing Manager,
South Pacific Region,
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA) PTY LIMITED

P.S. Any software company wishing to apply for inclusion in this catalogue is welcome to apply to Digital.
DIGITAL'S

AUSTRALIAN AND NEW ZEALAND

VAX

SOFTWARE REFERRAL CATALOGUE

Second Edition

December 1985
Digital Equipment Corporation (Australia) Pty Limited acts as a clearing-house and has taken the information supplied by the software package author at face value. Unless otherwise indicated, DIGITAL has not analysed or determined the quality of the packages; nor does it make any warranties regarding this quality. DIGITAL DISCLAIMS ALL WARRANTIES FOR THE PROGRAMS AND ANY MEDIA ON WHICH THE PROGRAMS ARE PROVIDED, INCLUDING WITHOUT LIMITATION, ALL WARRANTIES OF MERCHANTABILITY AND FITNESS. All warranty information for products described in this document must be obtained from the appropriate vendor.

The information in this document is subject to change without notice and should not be construed as a commitment by DIGITAL. DIGITAL assumes no responsibility for any errors that may appear in this document.

Digital Equipment Corporation 1985
All Rights Reserved
Printed in Australia

A READER’S COMMENTS form is included on the last page of this document. Your comments will assist us in preparing future documentation.

The following are trademarks of Digital Equipment Corporation:

<table>
<thead>
<tr>
<th>DEC</th>
<th>MICRO/PDP-11</th>
<th>RSX</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECmate</td>
<td>MicroPower/Pascal</td>
<td>RT-11</td>
</tr>
<tr>
<td>DECSystem-10</td>
<td>PDP</td>
<td>ULTRIX</td>
</tr>
<tr>
<td>DECSYSTEM-20</td>
<td>P/OS</td>
<td>UNIBUS</td>
</tr>
<tr>
<td>DECUS</td>
<td>Professional</td>
<td>VAX</td>
</tr>
<tr>
<td>DECwriter</td>
<td>Q-BUS</td>
<td>VMS</td>
</tr>
<tr>
<td>DIBOL</td>
<td>Rainbow</td>
<td>VT</td>
</tr>
<tr>
<td>MASSBUS</td>
<td>RSTS</td>
<td>Work Processor</td>
</tr>
</tbody>
</table>
This Software Referral Catalogue was created in WPS-Plus and Typeset using DECset on a VAX 11/780.
Contents

Introduction: How to Use this Book

Format of an Entry ........................................ viii
Other Useful Information ................................ ix
   DIGITAL Products ........................................ ix
   DECUS Products ......................................... 283
How to Order Additional Books ........................ xiii
How to Be Placed on Our Mailing List ............... xiii
How to Have Your Software Product Listed ........ xiii
Program Title Index ..................................... 289
Supplier Category Index ................................. 297
Digital Offices ........................................... 305

Applications Software

SRC Category ............................................ Page
10 Accounting ........................................... 1
20 Artificial Intelligence ................................. 31
30 Communications ..................................... 39
40 Construction .......................................... 45
60 Development Tools .................................. 51
70 Distribution/Logistics ............................... 97
80 Earth Resources ..................................... 101
100 Engineering ......................................... 107
120 Financial Management ............................... 141
130 File Management .................................... 151
140 Graphics .............................................. 155
150 Health Care .......................................... 159
160 Information Management ......................... 171
170 Insurance ............................................. 191
180 Law .................................................. 193
190 Library Science ...................................... 195
200 Manufacturing ....................................... 197
210 Media ................................................ 217
220 Office Information Systems ....................... 225
230 Order Processing & Sales Management ....... 243
240 Personal Computing ................................ 251
250 Personnel ............................................. 253
260 Publishing ........................................... 261
270 Project Management ................................ 269
280 Research ............................................. 271
310 Systems Management ............................... 275
320 Transportation ....................................... 277
INTRODUCTION:

HOW TO USE THIS BOOK

Digital's VAX family consists of high-performance 32-bit Micro and minicomputers and super minicomputers all having a completely compatible architecture.

The range of VAX computers vary considerably, from the Micro VAX II, a microcomputer with superminicomputer to suit all application requirements, through the VAX range to the VAX 8600, 8650 and VAXcluster systems. VAX computers run under the popular VMS operating system software, as well as ULTRIX-32, ULTRIX-32M and other UNIX™ look-alike operating systems.

The members of the VAX family make the power of VAX systems available to a wide range of users, applications, and budgets. Almost every computer owner is familiar with the problem of finding the right software package. We are proud to help solve this problem by bringing you the second edition of the Australian and New Zealand VAX Software Referral Catalogue. It describes more than 300 VAX software products – not software under development, but software that is available and working in businesses and organisations like yours. All application software described in this book will run on any member of the VAX family (depending on hardware configuration, memory size, and storage devices), from the MicroVAX II to the VAX 8650 without the need for costly data conversion.

Those software programs span a wide range of application areas, from handling orders and accounts receivable for wholesalers of food and health to material requirements planning for large-scale manufacturing operations.

Some software packages might be just what you need; others might be useful to you in the future; still others might suggest uses you had not considered before. Whatever your situation, this book has been designed to provide you with VAX solutions.

We expect future editions of the Australian and New Zealand VAX Software Referral Catalogue to contain many more applications. This catalogue and its future editions can keep you up-to-date on the growing body of VAX software.

Roadmaps into the Book
Introduction: How to use this book

- The CONTENTS lists (in alphabetical order) the industries and generic disciplines, such as "Manufacturing" or "Accounting" covered in the book.

- The PROGRAM TITLE INDEX is an alphabetical listing of programs contained in the book.

- The SUPPLIER CATEGORY INDEX is an alphabetical listing of Suppliers and the application areas their software applies to.

Format of an Entry

The listings in this book were supplied by software producers and their distributors. A typical entry follows:

1) SRC NO: 290:D01

2) VAX-11 RSX

3) Operating System: VMS

4) Keywords: *Development tools

5) VAX-11 RSX is an emulator of the RSX-11 operating system family which executes on VAX/VMS. It provides special capabilities which enable PDP-11 users to develop programs for execution in any of the following environments.

- VAX/VMS compatibility mode
- RSX-11M-PLUS
- RSX-11M
- RSX-11S
- Micro/RSX
- P/OS

VAX-11 RSX also allows for the migration of many existing RSX-11 applications to VAX/VMS.

6) Contact: Sales Department
   See rear of book for all Digital offices
   DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
   PTY LIMITED
Introduction: How to use this book

1) **SRC NO:** This is a software referral catalogue number used for locating a particular package. It is also listed in the contents and indexes for easy reference.

2) **Software Title:** A typical program name is an acronym followed by the full title in parentheses.

3) **Operating System:** If you are planning to buy a VAX, you need to consider what operating system you want to purchase. Considerations include your need for full commercial language support, part-time support, extensive communications capabilities, and so forth. A sales representative from your local Digital Sales Office can help answer your questions. By choosing the right operating system, you may be assured of being able to run and develop the programs that are right for you.

4) **Keywords:** Those words define a software package. They give you an idea of the package's function and application without having to read the entire description.

5) **Description:** That portion of the entry describes the features and capabilities of the software.

6) **Contact:** Call or write to the contact person or company for more information on the software. The telephone number, company name, and address are listed. Alternately, use the reply mail card at the back of this book.

**Other Useful Information**

Software packages differ in their hardware configuration requirements. Additionally, some software packages require other software to work. Ask the software supplier to specify precisely what hardware and related software, if any, are required for the package to work properly in your installation.

**DIGITAL Products:** Many of the programs described in this book are sold by Digital, and many of those are Digital supported.

To purchase a Digital Software or Hardware product, contact your local sales office.

Digital products are denoted by the SRC NO: e.g. nn:Dnn, and Third Party products by SRC NO: e.g. nn:Tnn. Digital Distributed and Digital Supported software are marked as such.
Introduction: How to use this book

DECUS Products: Some products are available through DECUS (Digital Equipment Computer Users Society), an independent association. Digital doesn’t support DECUS programs. For information on how to join DECUS or to obtain a DECUS catalogue, fill out the business reply card at the back or write to:

DECUS Membership
Level 1
Northern Tower
Chatswood Plaza
Chatswood NSW 2067

Digital Services:

Software Services Available from Digital:

Finding the right Software package is just the start in implementing a successful solution to your need – you suddenly realise you’re going to need help, lots of help. From an organisation with the competence, expertise and motivation to help you achieve your goals.

DIGITAL’S SERVICES COMPLETE THE SOLUTION

With an unmatched breadth of service offerings, Digital is in a position to supply total solutions to most applications requirements and to provide the necessary services to ensure the efficiency and timeliness of 3rd party solutions.

The following services are currently available at most Digital Locations and are delivered by Digital employees committed to customer satisfaction:

- Project Management – coordinating Customer, 3rd party and Digital resources to ensure success from beginning to end.
- DECstart – technical assistance on site to ensure maximum productivity from your new computer right from the start.
- Feasibility Studies.
- Functional Specifications.
- Analysis and Design Consulting.
- Customised Software Development – either as a fixed price total solution or working in a team with Customer and/or 3rd parties.
- Modifications to Digital or 3rd Party package software.
- Ongoing maintenance of Digital or 3rd Party software (even if it has been modified).
- Management Consulting and Business Analysis.
Introduction: How to use this book

- Consulting and conceptual design of complex solutions in key business area such as Networking, Data Management and Office Automation.
- Artificial Intelligence consultation and programming.
- Technical and design assistance in using Digital products.
- Seminars to keep your technical staff up to date.
- Long term resident consultants on site.
- User-level resident consultants on site.
- User-level support and training.
- Performance Analysis and Tuning.
- System audit.
- Timesharing access to a VAX while awaiting hardware delivery.
- General VAX Timesharing Service Australia-wide and in Auckland with a large range of Digital and 3rd party packages available by the hour or by the month.
- Hardware and Software Rentals – short or long term.
- Facilities Management – your site or ours.
- Networking.
- Media Copying.
- Special Printing requirements.
- Backup for Computer disasters.

Please contact your nearest Digital office for further information and an obligation free assessment of your requirements.

Special Customer needs demand Digital Custom Software:

With the special demands placed upon companies by the vagaries of the Australian and New Zealand markets, it's not surprising that many major companies have approached Digital to develop custom software solutions for their specific problems which can be totally integrated into the operations of the company.

Digital's strength in supplying hardware solutions to the business community has meant that our Software Specialists have developed considerable expertise in a wide variety of industries.

Trained and continuously updated in every phase of Digital hardware and software, our specialists combine technical expertise, industry experience and the complete resources of Digital to give your business maximum benefit from the latest technology.

State-of-the-art management assures completion of your software development project on time and within budget. Professional methodology enables our project managers to evaluate your needs and recommend
software and hardware solutions to your problems. You are advised of
the feasibility and costs of proposed solutions, before they are initiated.
By precisely determining your needs in advance, we eliminate costly
mistakes or delays.

Custom Software specialists begin by generating a Functional
Specification to analyse what will be required to accomplish your goals.
Accurate cost estimates and time schedules are then developed in our
Project Plan, so you know exactly how much time and money the project
will require.

Professional methodology extends to our software architecture as well.
This includes top-down structured programming, with detailed step-by-
step documentation. Explicit logic and modular structure provide for
quick and easy modifications and adaptations. Our adherence to high
standards means that your software will perform its function accurately
and with optimum efficiency.

Development teams drawn from Software Services' staff of over 250 in
Australia and New Zealand and over 5,000 world-wide have been called
upon to lend their expertise in developing specific client solutions. These
projects have ranged from massive contracts exceeding half a million
dollars through to a very small custom tasks for small companies, giving
substance to the Digital philosophy that all customers are equally important
to us, and rate the same care and expert attention.

DECTime:

Digital's Timesharing Service for a wide range of Computer Needs.

DECTime customers are often companies with specific tasks requiring
high technology computer solutions, but without the volume to make
computer purchase viable. Or they can simply be companies which need to
offload work during overload periods on their own computers. Access
to DECTime is via a dial-up line, leased line or via a terminal at Digital's
Computer Service Centres.

Ready access to a team of Software Specialists and Programmers make
Digital's Computer Service Centres the ideal venue for development and
conversion work.

HEADstart is a packaged service to provide customers awaiting delivery of
their own VAX with timesharing resources, unlimited CPU time,
Introduction: How to use this book

documentation and startup consulting to enable clients to begin
conversion and/or software development or even just to get the “feel” of
their new computer as soon as the VAX purchase decision is made.

The availability of a large range of software packages covering Financial
Management, Data Management, Mailing Lists, Text Processing, Videotex,
Office Automation, Engineering and Manufacturing applications makes it
possible for DECTime users to have access to powerful and expensive
software for a fraction of the cost of purchase.

Computer-based self-paced training is a new cost effective service
recently offered on DECTime.

Flexible charging scales based on your needs are an integral part of the
way Digital's Computer Service Centres operate.

You can choose a Subscription Service with a fixed fee each month – this
entitles you to unlimited access to the system, 10 megabytes and one tape
or disk mount per day. Subscription fees range from a 24-hour option to a
lower-priced rate for access during business hours only, to the most
economical night time access only.

Hourly rates are also available.

Digital's Computer Service Centres also offer a large range of ancillary
services such as Facilities Management, Hardware and Software rental,
Media Copying, Special Printing requests, Network access Australia-
wide, Disaster Backup Plans.

To get VAX computing where and when you need it, call your nearest
Digital office for more information.

How to Order Additional Books

To order additional copies of this book fill out and mail one of the
business reply cards at the back of the book, or contact your local sales
representative.

How To Have Your Software Product Listed

If you wish to include your software product(s) in Digital's Software
Referral Catalogue, please fill out the business reply card at the back or,
write to:
Introduction: How to use this book

Third Party Marketing Group
Digital Equipment Corporation (Australia) Pty Limited
Level 11
Northern Tower
Chatswood Plaza
Chatswood NSW 2067
ACCOUNTING

IMS ACCOUNTS RECEIVABLE SYSTEM

Operating System: VMS
Keywords: *Accounts receivable *Manufacturing *Distribution
         *General ledger *Order processing

IMS ACCOUNTS RECEIVABLE SYSTEM is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. An interactive Accounts Receivable System capable of accounting for Open Item and Balance Forward methods of cash application. On-line inquiry processes are available to display current customer, credit and invoice information. Accessed via multi-level menu structures (entrance to which is controlled by the System Manager via IMS’s menu password functions.

The ARS user has the ability to apply and account for various types of postings, including cash, unapplied cash, debit and credit memos and other miscellaneous postings. The cheque applications process tracks both bank and deposit ticket codes for each cheque, allowing you to produce daily bank deposit slips. Credit memo invoices may be entered and applied at a later date. The ARS System also contains an extensive credit management sub-system.

Although the ARS module can be run stand alone, it is integrated with the IMS General Ledger, and Order Processing modules.

Contact: Sales Department
         See rear of book for all Digital offices
         DIGITAL EQUIPMENT
         CORPORATION (AUSTRALIA)
         PTY LIMITED

IMS ACCOUNTS PAYABLE SYSTEM

Operating System: VMS
Keywords: *Accounts payable *Purchasing *Manufacturing *General ledger

IMS ACCOUNTS PAYABLE SYSTEM is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial

Prepared on Digital’s DECset Publishing System
Management. Interactive Accounts Payable System capable of eliminating much of the tedium normally associated with the manual preparation of a firm's payables. Entrance to multi-level menu structures controlled by the Application Manager via IMS's unique menu passwording functions. The flexibility of the system is demonstrated in the functions it performs. Cash disbursement relists of scheduled vendor payments are generated to allow management to review and approve payment, hold payment or extend payment dates. Cheques are automatically generated and are designed for immediate mailing in window envelopes. Voucher stubs are attached as supporting detail to indicate which invoices are being paid. Payment runs can be made on a monthly, semi-monthly, weekly or as needed basis. In addition, APS supports the use of manual (prepaid) cheques with the subsequent terminal entry of pertinent information. Multiple bank account drawing and multiple currencies are supported.

The APS module can be integrated with the IMS General Ledger, Purchasing and Inventory Control modules.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 10:D03 DIGITAL SUPPORTED

IMS FINANCIAL REPORTING SYSTEM

Operating System: VMS
Keywords: *General ledger *Manufacturing *Accounts payable
*Accounts receivable *Distribution

IMS FINANCIAL REPORTING SYSTEM is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. All current journal entry and account balance information is available through on-line inquiry processes. FRS is accessed via a series of multi-level menu structures. The FRS System has the capability to accept and control transactions posted from other compatible sub-systems (such as IMS's Accounts Payable, Accounts Receivable, Inventory Management. Capability to accommodate a user-defined chart of accounts. Up to thirteen periods of budget and actual (or statistical) information may be maintained for each fiscal year. In addition to regular journal entries, the FRS System will support budget, adjusting and automatic reversing entries. Monetary and statistical values may be used.
FRS also performs a simple year-end closing process, which allows the user to: close the books (via journal entry), advance fiscal periods, perform current accounting functions, reverse fiscal periods, re-open the books, enter prior-period adjustments, product adjusted financial statements and re-close the books. Full Audit and Management reports are provided.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

WCS

Operating System: VMS
Keywords: *Accounts payable *Accounts receivable *General ledger
*Payroll *Report writer *Sales analysis

WCS is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. WCS is the collective name for the set of software products distributed by Digital. WCS Products are a range of integrated commercial packages designed to run as stand alone modules or as part of an integrated suite of software. They are supplied with original Cobol source or in object only form and may be modified if necessary by the end user or by Wilson.

Features are:

- General Ledger
- General Ledger Report Writer
- Debtors
- Creditors
- Bank Reconciliation
- Asset Register
- Payroll
- Menu System

NOTE: Also see separate entries under Distribution and Manufacturing for more details.

Contact: Sales Department

Prepared on Digital's DECset Publishing System
FINCOM

Operating System: VMS
Keywords: *Report writer

FINCOM is a software product distributed by Digital that provides a complete Financial Management System, conceived by accounting people.

FINCOM comprises:

- General Ledger
- Debtors
- Creditors
- Chart of Accounts
- Subsidiary Ledger
- Full Audit Trails
- Conventional data entry system
- Report Generator

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

MATE

Operating System: VMS
Keywords: *Accounts payable  *Accounts receivable  *Inventory
  *Production control

MATE is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. MATE is a modular,
integrated Management Information system comprised of over 200 programs and functions. It is designed locally for Australian business and manufacturing conditions. The system is menu driven and lends a high degree of flexibility to system implementation. Subsystems are chosen to suit the particular application and the systems are capable of stand-alone operation. The subsystems included are: Stock and Warehouse Control, Accounts Payable, Accounts Receivable, Sales Invoice Control, Sales Order Control, Purchase Invoice Control, Purchase Order Control, General Ledger, Capital Assets, Payroll, Regenerative MRP, Work Orders, Routing, Bill of Materials, Planning, and Database Report Generation. The package is written in FORTRAN 77, COBOL and MACRO. It is available on 1600 BPI Magnetic Tape for VAX and TK50 Streaming Tape for MICROVAX. The product is also available on the MICRO PDP11/23 and 11/73.

Features are:

- Accounts Payable
- Accounts Receivable
- General Ledger
- Capital Assets
- Payroll
- Database Report Generation

NOTE: Also see separate entries under Distribution and Manufacturing for more details.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 10:T01

ACCOUNTS PAYABLE SYSTEM

Operating System: VMS
Keywords: *Financial analysis *Financial management

The SIAP System is a Realtime Interactive Multi-Currency System, designed to provide Management with the tools for positive and timely control over Cash Disbursements, coupled with accurate, meaningful and rapid Reporting at both Detail and Summary Levels. Designed for ease of use by Accounting Personnel, the SIAP System provides a

Prepared on Digital's DECset Publishing System
comprehensive, efficient approach to mechanising the Payables process. Major advantages of the System include Multi-Company/Division Processing, Multiple Bank Accounts, Multiple Currencies with automatic Exchange Gain/Loss Calculations, Cash and/or Accrual Accounting, Full Online Data Entry and Inquiry, Realtime Vendor Maintenance, Paid Voucher Inquiry, Cheque Reconciliation, Special Cheque Handling, Electronic Funds Transfer, Comprehensive Commitment Analysis and Reporting, Summary or Detail Interface to the SIGL with full Validation on Voucher Input, Comprehensive Reporting, Audit Trails and Documentation.

Contact: G. Hodge
(02) 92-0811
GE SOFTWARE INTERNATIONAL
55 Lavender Street
Milsons Point, NSW, 2061

SRC NO: 10:T02

GENERAL LEDGER & FINANCIAL REPORTING SYSTEM

Operating System: VMS
Keywords: *Cost accounting *Financial analysis *Financial management *General ledger

The SIGL is a comprehensive General Ledger and Financial Management Information System, designed by Accountants to be used by Accountants. The unique "SUMMARISATION CONCEPT" not only allows the User to view information in different ways (e.g. by Responsibility, by Product, Consolidated, etc.), but also ensures that all of these User Reporting Views reflect the latest Postings. Actual, Budget and Statistical Information is captured once only and automatically summarised to each User Reporting View for immediate Analysis, Inquiry and Reporting from Summary Accounts to Posting Accounts to Detail Transactions. The SIGL System also supports multiple User-defined Charts of Accounts, Realtime (Immediate Update) Processing, Currency Conversion, Cost Allocation, Budget Preparation, Comprehensive Management and Financial Reporting, Online Data Entry and Inquiry of all Information, Online Reporting, Automatic Generation and Manipulation of the Chart of Accounts and Re-Organisations.

Contact: G. Hodge
(02) 92-0811
GE SOFTWARE INTERNATIONAL
55 Lavender Street

Prepared on Digital’s DECset Publishing System
ACCOUNTS RECEIVABLE & CASH MANAGEMENT SYSTEM

Operating System: VMS
Keywords: *Accounts receivable *Financial analysis *Financial management

The SIAR System provides comprehensive Accounts Receivable Control and Cash Management. Historical information and Paying habits are maintained by Customer to assist the Credit Manager in both day to day decisions relating to Unpaid Items as well as Cash Forecasting. This is combined with Realtime Cash Application to provide maximum control of outstanding Receivables. Major features of the System include Multi Company/Division Processing, Flexible Aging Categories, Realtime Customer Maintenance and Cash Application, Diarised Scratch Pad Facility, User defined Statements and Reminders, Cash Forecasting based on Customers Paying Habits, Detail/Summary/Exception Reporting, Credit Limits, Terms Calculation, Detail or Summary Interface to SIGL (Automatic), comprehensive Audit Trails.

Contact: G. Hodge
(02) 92-0811
GE SOFTWARE INTERNATIONAL
55 Lavender Street
Milsons Point, NSW, 2061

FIXED ASSET CONTROL SYSTEM

Operating System: VMS
Keywords: *Financial analysis *Financial management *Fixed assets

The SIFA System is a complete Asset Management System, providing comprehensive Property Management, Maintenance of leased Assets, Construction in Progress Information, Insurance Valuation and Revaluation, Tracking of Maintenance Costs and Calculating Current Costs. The System maintains separate Corporate and Tax Book, Automatically

Prepared on Digital's DECset Publishing System
calculates Depreciation and Depreciation Projections, provides Multi
Level Organisation Control, Monitors Assets by Component, allows full
Level Organisation Control, Monitors Assets by Component, allows full or
partial Transfer with complete Audit Trail, Tracks Life of an Asset from
Acquisition through to full or partial Retirement, provides comprehensive
Reporting and 'What If' Analysis for Lease/Buy and Keep/Replace
Decisions, Monitors Insurance Valuations and provides full Online Input
and Inquiry.

Contact:  G. Hodge
           (02) 92-0811
           GE SOFTWARE INTERNATIONAL
           55 Lavender Street
           Milsons Point, NSW, 2061

SRC NO:  10:T05

JAS INTEGRATED ACCOUNT SYSTEM

Operating System: VMS
Keywords: *Accounts payable  *Financial management  *General ledger

JAS is a fully interactive, transaction oriented integrated General Ledger,
Accounts Payable and Financial Statements System. Posting is
immediately reflected in all accounts. Extensive enquiry and reporting is
provided, with comprehensive audit trails and user-determined history
retention. The system is designed to be user operated, and configuration
and maintenance menus fully insulate the user from DP involvement.

GENERAL LEDGER:
User-defined chart of accounts
Variable account number structure
Variable number of accounting periods
Non-balance accounts
Posting to current & future periods
Standard journals
Multiple company environments
Automated month-end/year-end
Bulk file maintenance

ACCOUNTS PAYABLE:
User defined fields
Multiple GL control & bank accounts
Permanent and temporary suppliers

Prepared on Digital's DECset Publishing System.
Full cheque reconciliation and reporting
"History" cheques
Automatic settlement discounts
Cash requirement reporting
Payment schedules
Manual cheque entry

JAS is written in the fourth generation language STYLE. Distribution depends on machine type.

Contact: Michael Kelly
(02) 922-1900
JBA INFORMATION SYSTEMS
Level 6/100 Walker Street
North Sydney, NSW, 2060

SRC NO: 10:T06

UGEN (Accounts Payable System)

Operating System: VMS
Keywords: *Accounts payable

A fully on-line Accounts Payable system designed to interact with the UGEN General Ledger & Financial Reporting System. Features include:

- Multiple Company
- User control
- Open-item processing
- Comprehensive security
- Fast-track options
- Point of entry validation & updating
- Payment terms options
- Duplicate invoice checking
- Extensive on-line enquiries
- Short-name search facilities
- Automatic control account updating
- Cheque printing
- Remittance Advices
- Manual Payment processing
- Easy to use

Programs are written in Cobol.

Prepared on Digital's DECset Publishing System
Contact: T. Bade  
(9) 548–905  
BADE DRAPER ASSOCIATES LTD  
P.O. Box 9673  
Newmarket, Auckland, New Zealand

SRC NO: 10:T07

UGEN (General Ledger & Financial Reporting System)

Operating System: VMS
Keywords: *Cost accounting *Financial analysis *Financial planning  
*General ledger

Proven General Ledger package offering an up-market solution for any organisation demanding complete financial control. Features include:

- Fully on-line; Any Chart of Accounts; Statistical Accounts; Current revised, next-year budget sets; Open-period processing; Powerful structuring capability; Sub-system interfaces; Automatic journal reversals; Year-end overlap; Flexible and easy-to-use Report Generator; Format Generator; Exception reporting; Comprehensive Security; Multi-entity with consolidations; Allocations; Productivity Aids; Currency conversion; Job Costing; Full Audit Trail, Mass Budget Generator incorporating modelling system interface; Full documentation. With over 100 systems in use UGEN has proved itself capable of handling the financial reporting requirements of a wide range of industry types. Programs are written in COBOL.

Contact: T. Bade  
(9) 548–905  
BADE DRAPER ASSOCIATES LTD  
P.O. Box 9673  
Newmarket, Auckland, New Zealand

SRC NO: 10:T08

UGEN (Fixed Assets Accounting System)

Operating System: VMS
Keywords: *Fixed assets

Prepared on Digital’s DECset Publishing System
The UGEN Fixed Assets Accounting System is designed to provide timely accounting information relating to asset movements, property status, insurance values, current cost values and maintenance expense control, as well as performing the conventional depreciation calculations and other standard asset accounting functions.

A unique codes file concept minimises the work involved in adding new asset records and operates to validate and enforce standardisation of codes used with the system.

Each asset is recorded for Corporate (Historic), Tax, and Current Cost Accounting purposes so that different depreciation methods and values can be used with each book.

The UGEN Fixed Assets Accounting System can be run stand-alone or interfacing with the UGEN General Ledger and Financial Reporting System. Programs are written in COBOL.

Contact: T. Bade
(9) 548-905
BADE DRAPER ASSOCIATES LTD
P.O. Box 9673
Newmarket, Auckland, New Zealand

SRC NO: 10:T09

CREDITORS SYSTEM

Operating System: VMS
Keywords: *Accounts payable

CREDITORS - (COBOL)

This accounts payable system is an open item payables system. It is designed to interface with other financial systems, or to be used as a "stand-alone" unit.

The system includes an inquiry capability, eight types of pay options, and reporting consistent with the needs of most accounts payable operations.

Invoice entry can be made on a daily or "as received" basis with system control to ensure accuracy of data. Controls, at various processing points, prevent any "out-of-balance" conditions being passed through to the general ledger system.

Prepared on Digital's DECset Publishing System
Contact: Rowan H. Lane  
(02) 439-6944  
DEXTRA SYSTEMS PTY LIMITED  
156 Pacific Highway  
Greenwich, NSW, 2065

SRC NO: 10:T10

COMMAND

Operating System: VMS  
Keywords: *Accounts payable *Accounts receivable *Bill of materials  
*Cost accounting *Distribution *Fixed assets  
*Manufacturing *Payroll *Production control *Sales analysis

COMMAND is a relatively new, fully integrated, comprehensive system covering the areas of manufacturing, distribution and financial management. "New" in this instance does not imply that it is an un-tried, un-proven system; quite the contrary – it has been purchased by over 120 organisations around the world in a little over two years. What it does mean is that is of modern design, and has been implemented using the latest tools and techniques. It is not like the older COBOL or FORTRAN-based systems which out of desperation have had a report-writer bolted on as an afterthought. Rather, it has been designed and implemented in a fourth generation language called USER-11, this providing all of the facilities you would like to see – ease of customisation, ease of maintenance, and an integrated report writer which can be used by non-EDP personnel. From an operational viewpoint, COMMAND is available on a time-sharing basis, or you can install it in-house on the DEC range of hardware. Functionally, COMMAND comprises nine modules. In the financial area, there are the General Ledger, Accounts Payable and Accounts Receivable modules; for distributors, the Stock Control, Sales Order Processing and Purchase Order Processing modules can be added; and for the manufacturers, we have the Bill of Materials, Material Requirements Planning and Production Control modules. It should be noted that, through the modular, table-driven design of COMMAND, modules can be implemented in virtually any combination and sequence needed by the user.

COMMAND also provides several variants to the standard system outlined above. Currently available are the Batch Traceability version for manufacturers, a Project Commitment Accounting version and a Van Stock Control version. And we have just received advice from the UK developers of COMMAND that a Fixed Asset Register system is to be
released around the end of May, as is a Master Production Scheduling and Rough Cut Capacity Planning module which will provide users with the final element of a closed loop manufacturing system.

Contact: Rod McArter
(02) 211-2322
NETWORK COMPUTER SOFTWARE PTY LIMITED
6 Cunningham Street
Sydney, NSW, 2000

SRC NO: 10:T11

COMMAND

Operating System: VMS
Keywords: *Accounts payable

COMMAND is a fully integrated distribution, accounting and manufacturing package. Packages are modules and most can be installed in a standalone mode.

The system operates on a full range of VAX hardware, with a minimum of 1-4 mb memory. It uses a data management system USER-11, a development tool, that allows for simple modification as well as ad-hoc enquiries and reports.

Features:

- Accounts Payable (Credits)
- Accrues supplier invoices and distributes to General Ledger
- Flexible payment selections
- Cheque printing
- Part payment and hold invoice facilities
- Integration to purchasing and general ledger if required.

Contact: Mike O’Hanlon
31-489
DATACOM SYSTEMS LTD
P.O. Box 6041
Auckland, New Zealand

SRC NO: 10:T12

Prepared on Digital’s DECset Publishing System
MAPS/FA

Operating System: VMS
Keywords: *Fixed assets

MAPS/FA is an on-line fixed assets software system that offers comprehensive accounting control over acquisition, maintenance, transfer, and retirement of corporate assets. Designed exclusively for the VAX, MAPS/FA includes a complete set of standard reports and the capability for extended asset analysis provided by a powerful, on-line enquiry language.

Contact:  W. J. Talbot
           (03) 616-1339
           PRICE WATERHOUSE URWICK
           447 Collins Street
           Melbourne, VIC, 3000

SRC NO: 10:T13

MAPS/AR

Operating System: VMS
Keywords: *Accounts receivable

MAPS/AR is an on-line Accounts Receivable/Credit and collections system. MAPS/AR is designed to allow the greatest flexibility in reflecting a company’s policies. Payment terms, credit limits, billing cycles, cash receipt method, and write-off tolerances can be individually specified for each client. These standards can be adjusted by using MAPS/AR’s analysis capabilities to optimise credit and collection activities.

Contact:  W. J. Talbot
           (03) 616-1339
           PRICE WATERHOUSE URWICK
           447 Collins Street
           Melbourne, VIC, 3000

SRC NO: 10:T14

MAPS/MODEL

Prepared on Digital’s DECset Publishing System
Operating System: VMS
Keywords: *Decision support *Spreadsheet

MAPS/MODEL is ideal for problems involving issues such as multi-divisional consolidations, interactive analysis, and sensitivity analysis. Models are easily constructed for financial applications such as budgeting, cash flow management, forecasting, and similar problems. MAPS/MODEL has the ease of ‘electronic spreadsheets’ yet the power of advanced modelling languages.

Contact: W. J. Talbot
(03) 616-1339
PRICE WATERHOUSE URWICK
447 Collins Street
Melbourne, VIC, 3000

SRC NO: 10:T15

MAPS/AP

Operating System: VMS
Keywords: *Accounts payable

MAPS/AP is a flexible, fully interactive, and user-controlled accounts payable system developed by accounting and system professionals. It incorporates a comprehensive array of accounts payable functions, including vendor maintenance, payables entry, and cheque processing. It is fully integrated with MAPS/GL.

Contact: W. J. Talbot
(03) 616-1339
PRICE WATERHOUSE URWICK
447 Collins Street
Melbourne, VIC, 3000

SRC NO: 10:T16

MAPS/GL

Operating System: VMS
Keywords: *General ledger *Report writer

Prepared on Digital’s DECset Publishing System
MAPS/GL is a comprehensive general ledger/financial management system. It provides all the power of a mainframe general ledger system at a fraction of the cost and in a computing environment that is truly interactive and completely user controlled.

Features:

- adapts to specific needs
- flexible accounting and reporting structures
- security by user, terminal and function
- flexible report writer
- standard reporting

Contact: W. J. Talbot  
(03) 616-1339  
PRICE WATERHOUSE URWICK  
447 Collins Street  
Melbourne, VIC, 3000

**GENERAL LEDGER SYSTEM**

Operating System: VMS  
Keywords: *General ledger

**GENERAL LEDGER SYSTEM — (Cobol)**

This General Ledger System is designed to be used either as a stand-alone system or as a part of a larger system. The system has flexible reporting facilities and can easily be further customised to meet precise requirements. It is menu driven and follows accepted accounting principles regarding account classification and double entry processing.

Contact: Rowan H. Lane  
(03) 439-6944  
DEXTRA SYSTEMS PTY LTD  
156 Pacific Highway  
Greenwich, NSW, 2065

**SRC NO: 10:T18**

Prepared on Digital's DECset Publishing System
PAYROLL SYSTEM

Operating System: VMS
Keywords: *Payroll *Personnel

PAYROLL – (Cobol)

This system provides all the usual payroll reports and may be used with either the entry of hours worked or with automatic payment of a set amount each pay period. The payroll is calculated using any deductions or additions entered permanently or entered for that pay period.

Employees may be paid weekly, fortnightly, or monthly, or any combination of these periods for different employees.

Contact: Rowan H. Lane
(02) 439-6944
DEXTRA SYSTEMS PTY LTD
156 Pacific Highway
Greenwich, NSW, 2065

SRC NO: 10:T19

ASSET REGISTER

Operating System: VMS
Keywords: *Fixed assets *Inventory

The Eden Technology Asset Register is a fully on-line system for the accounting and physical control of Assets. It covers both owned and leased items and has a capital projects control module. It is multi-company/multi-location and has highly efficient on-line procedures for adjustments, transfers and retirement of assets. It holds both tax and accounting values and automatically calculates depreciation by a number of methods.

It is able to interface with General Ledger and Planned Maintenance systems and has an end-user inquiry and report generator into asset details.

It is installed in major Australian public companies and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

Prepared on Digital’s DECset Publishing System
COBOL - Demonstration, literature, references available.

Contact: John Unite  
(02) 236-6994  
EDEN TECHNOLOGY PTY LIMITED  
3rd Floor, 275 George Street  
Sydney, NSW, 2000

SRC NO: 10:T20

INTE-LINK BANK RECONCILIATION

Operating System: VMS  
Keywords: *Banking *Financial management *Payroll .Property management

The INTE-LINK Financial Management System INTEgrates easily with Operations Systems and has LINKs to a wide range of end-user computing tools (see separate headings for other package modules). It is designed for major diversified organisations which require a single range of financial software for all business units. INTE-LINK packages have full mainframe package features which can be tailored to run efficiently on the full VAX range (Microvax to 8600). Bank Reconciliation interfaces with Accounts Payable, Accounts Receivable, Payroll and multiple financial institutions to fully automate the bank reconciliation process. It is fully interactive and easy to use which makes it suitable for first time user locations.

It is installed in a number of Australia's leading public companies and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

COBOL/TDMS - Demonstrations, literature and references available.

Contact: John Unite  
(02) 236-6994  
EDEN TECHNOLOGY PTY LIMITED  
3rd Floor, 275 George Street  
Sydney, NSW, 2000

SRC NO: 10:T21

Prepared on Digital's DECset Publishing System
INTE-LINK ACCOUNTS RECEIVABLE

Operating System: VMS
Keywords: *Accounts payable *Distribution *Property management *Sales and marketing

The INTE-LINK Financial Management System INTEGRates easily with Operations Systems and has LINKs to a wide range of end-user computing tools (see separate headings for other package modules). It is designed for major diversified organisations which require a single range of financial software for all business units. INTE-LINK packages have full mainframe package features which can be tailored to run efficiently on the full VAX range (Microvax to 8600). Accounts Receivable operates with or without Order Entry and Billing systems and has extremely strong Credit Control capabilities. It is fully interactive and easy to use which makes it suitable for first time user locations.

It is installed in a number of Australia's leading public companies and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

COBOL/TDMS - Demonstrations, literature and references available.

Contact: John Unite
(02) 236-6994
EDEN TECHNOLOGY PTY LIMITED
3rd Floor, 275 George Street
Sydney, NSW, 2000

SRC NO: 10:T22

INTE-LINK ACCOUNTS PAYABLE

Operating System: VMS
Keywords: *Accounts payable *Construction *Cost accounting *Project management

The INTE-LINK Financial Management System INTEGRates easily with Operations Systems and has LINKs to a wide range of end-user computing tools (see separate headings for other package modules). It is designed for major diversified organisations which require a single range of financial software for all business units. INTE-LINK packages have full mainframe package features which can be tailored to run efficiently on the full VAX range (Microvax to 8600). Specialised modules include

Prepared on Digital's DECset Publishing System
comprehensive prescribed payments and vendor statement reconciliation. It is fully interactive and easy to use which makes it suitable for first time user locations.

It is installed in a number of Australia’s leading public companies and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

COBOL/TDMS – Demonstrations, literature and references available.

**Contact:** John Unite  
(02) 236–6994  
EDEN TECHNOLOGY PTY LIMITED  
3rd Floor, 275 George Street  
Sydney, NSW, 2000

**SRC NO:** 10:T23

**INTE-LINK GENERAL LEDGER**

**Operating System:** VMS  
**Keywords:** *Cost accounting* *Financial management* *General ledger*  
*Project management*

The INTE-LINK Financial Management System INTEGRates easily with Operations Systems and has LINKs to a wide range of end-user computing tools (see separate headings for other package modules). It is designed for major diversified organisations which require a single range of financial software for all business units. INTE-LINK packages have full mainframe package features which can be tailored to run efficiently on the full VAX range (Microvax to 8600). INTE-LINK is multi-company/multi-location and runs on VAX networks and clusters. It is fully interactive and easy to use which makes it suitable for first time user locations.

It is installed in a number of Australia’s leading public companies and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

COBOL/TDMS – Demonstrations, literature and references available.

**Contact:** John Unite  
(02) 236–6994  
EDEN TECHNOLOGY PTY LIMITED  
3rd Floor, 275 George Street
Sydney, NSW, 2000

SRC NO: 10:T24

GENERAL LEDGER

Operating System: VMS
Keywords: *General ledger

The PSI General Ledger System gives the user complete flexibility and control. A three-digit departmentalised accounting system allows up to 1,000 departments and also 10,000 cost centres. Reports generated: chart of accounts; journal entries; trial balance; profit and loss statement balance sheet; ledger by account no; monthly comparison by account number department cost control; cash receipts. System features: General ledger accounting maintenance; All transaction entries have automatic verification; Automatic posting of edited monthly transactions to the general ledger file; Terminal inquiry into account file; Optional budgeting feature; Financial statement production on request.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 10:T25

ACCOUNTS PAYABLE

Operating System: VMS
Keywords: *Accounts payable

The PSI Accounts Payable system is an on-line multi-user program designed to provide practical control of vendors, invoices and payments, with the ability to make on-line status enquiries at any time. Reports generated: Vendor File Reports, Invoice File Reports, Voucher and Cheques, Cheque Register, General Ledger Transaction Reports, Period-to-date Cheque Register, Cash Flow Report, Creditor History, Automatic input to General Ledger journal file for month and posting, File

Prepared on Digital's DECset Publishing System
maintenance of vendor master file, Online entry of invoices and credit memos with editing. Allocation of expenses into either current or last month.

**Contact:** Wayne Ruting  
(02) 887-4144  
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED  
1st Floor, 11–17 Khartoum Road  
North Ryde, NSW, 2113

**SRC NO:** 10:T26

**ACCOUNTS RECEIVABLE**

**Operating System:** VMS  
**Keywords:** *Accounts receivable*

The PSI Accounts Receivable system provides a flexible integrated Debtors system in an on-line multi-user environment. Customers may be treated as open item or balance forward and transactions are automatically passed to the General Ledger system. Reports generated: customer file reports, sales reports, ageing reports, customer statement and remittance advice, cash receipts, transaction report. Accounts can be nominated by client as either open item or balance forward; customer file maintenance; entry of sales and credit memo transactions with editing; entry of cash receipts with editing; automatic posting of sales credit memos, and cash receipts of accounts receivable open item file, customer status inquiry, automatic input to General Ledger.

**Contact:** Wayne Ruting  
(02) 887-4144  
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED  
1st Floor, 11–17 Khartoum Road  
North Ryde, NSW, 2113

**SRC NO:** 10:T27

**BMAS**

**Operating System:** VMS  
**Keywords:** *General ledger* *Credit* *Order entry* *Payroll*

Prepared on Digital's DECset Publishing System
The BMAS system is a fully integrated accounting system running on Digital VAX and under VMS. The modules include full multi-corporate accounting with consolidation at General Ledger level.

Features include:

- General ledger with a flexible report generator
- Creditors with cheque printing and bank reconciliation
- Debtors with aged trial balance, invoice, statements and bank reconciliation
- Order entry/invoicing linked to the debtor system and the inventory stock files
- Personnel system/payroll system
- Inventory control

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 10:T28

COMMAND

Operating System: VMS
Keywords: *Accounts payable

COMMAND is a fully integrated distribution, accounting and manufacturing package. Packages are modules and most can be installed in a standalone mode.

The system operates on the full range of VAX hardware, with a minimum of 1-4 mb memory. It uses a data management system USER-11, a development tool, that allows for simple modification as well as ad-hoc enquiries and reports.

Features:

- Debtors
- Open item or balance forward
- Fully integrated to General Ledger if required
- Flexible cash allocation
- Statement consolidation for group accounts

Prepared on Digital's DECset Publishing System
- Calculation of Goods and Services Tax

**Contact:** Mike O'Hanlon  
31-489  
DATACOM SYSTEMS LTD  
P.O. Box 6041  
Auckland, New Zealand

**SRC NO:** 10:T29

**MFASYS**

**Operating System:** ULTRIX, VMS  
**Keywords:** *Accounts payable* *Accounts receivable* *Financial analysis* *Financial management*

MFASYS (Management, Financial & Accounting System — pronounced 'emphasis'). MFASYS is a fully integrated accounting software package designed to be easily adapted to a wide range of accounting and management decision-making applications. One of the most important aims of the package is to facilitate the extraction, analysis manipulation and formatting of MANAGEMENT INFORMATION in any user-defined manner in the fastest possible time. Key features include:

- The facility to create user defined transaction input.
- Unlimited user defined screens or reports capable of directly accessing data stored in ledger(s), or other user defined reports/screens.
- A powerful integrated financial modelling system.
- A flexible report generator enabling the definition of a practically unlimited number of report formats.
- Unlimited number of ledgers each having user defined account code structures.
- Unlimited ability to consolidate, summarise or analyse data during posting or reporting.

Written in the 'C' programming language, MFASYS will operate in both the ULTRIX and VMS operating environments.

**Contact:** Phillip Miller  
(02) 358-3900  
MCC CONSULTING GROUP PTY LIMITED  
5th Fl, 80 William Street  
East Sydney, NSW, 2011
ACCOUNTING

SRC NO: 10:T30

IMPCON - FINANCE

Operating System: VMS
Keywords: *Manufacturing  *Distribution

IMPCON's Ledger modules to suit a range of industry needs.


Creditors Ledger – Open Item, Cash Payments Facilities, Link to General Ledger.

Debtors Ledger – Open Item, Credit Reporting, Consolidated Accounts option.

Other modules available include Invoicing and Purchasing. IMPCON operates on a real-time update basis. Uses standard DEC files (RMS) and utilities. Data Dictionary and general Report Writer options.

Language: Cobol
Memory Required: VMS 3 MB, RSTS 1 MB
Distribution Media: Magnetic Tape

Contact: Peter Vroom
(08) 212-7577
COMPUTER MANAGEMENT CENTRE PTY LTD
Level 15, 55 Waymouth Street
Adelaide, SA, 5001

SRC NO: 10:T31

F/A PLUS

Operating System: VMS
Keywords: *Accounting

F/A PLUS – The McCormack & Dodge Fixed Asset Information System – provides comprehensive book reporting calculations to satisfy the needs of corporate accounting departments. Detailed accounting reports provide up-to-date information on additions, transfer, retirements and

Prepared on Digital’s DECset Publishing System
depreciation for each user-specified accounting cycle. These reports supply accounting management with a readily accessible audit trail to ensure complete asset control.

File Structure provides efficient organisation of asset information. By offering a range of system options, the Control File enables users to tailor information to reflect organisational needs. Only one input document is required per asset; user-defined standard asset information is automatically loaded to the asset record.

Users tailor corporate hierarchy or organisational structure, such as division, department, plant, building, etc., to meet unique corporate needs. Accounting and reporting policy, also user-specified, may vary by individual corporation.

System controls include hundreds of data edit checks, error recycling capability and a complete audit trail.

Streamlined data processing design ensures reliability and ease of revision to accommodate changing tax laws.

Contact: Mike Nolan
(02) 922-3999
McCORMACK & DODGE AUSTRALIA PTY LIMITED
4th Level, 50 Berry Street
North Sydney, NSW, 2060

SRC NO: 10:T32

G/L PLUS

Operating System: VMS
Keywords: *Accounting

G/L PLUS – The McCormack & Dodge General Ledger Information System – completely automates general ledger accounting and provides the information necessary for financial analysis and planning.

G/L PLUS controls financial and accounting operations and produces standard and user-defined reports for effective planning and decision-making.

Key concepts in the system design are flexibility and ease-of-use for the financial executive. The unique structure of G/L PLUS makes financial
information readily accessible to satisfy individualised accounting and reporting requirements. The unmatched reporting flexibility of G/L PLUS accommodates a wide range of reporting requirements, form detailed tracking of account transactions to management-level account forecasts and analyses. User-defined reporting capabilities allow financial executives to get information they need in the way they need it. And extensive system capabilities, which include budgeting, cost allocations, consolidations and on-line entry, update and inquiry, make G/L PLUS the most comprehensive and effective financial system available.

G/L PLUS also was designed for foreign-based and multinational organisations, offering additional features such as foreign currency translation and conversion and variable date formatting.

Contact: Mike Nolan
(02) 922-3999
McCORMACK & DODGE AUSTRALIA PTY LIMITED
4th Level, 50 Berry Street
North Sydney, NSW, 2060

SRC NO: 10:T33

A/P PLUS

Operating System: VMS
Keywords: *Accounting

A/P PLUS - The McCormack & Dodge Accounts Payable Information System - efficiently controls accounts payable processing and aids in cash-flow forecasting.

A/P PLUS provides complete reconciliation and cash management capabilities. The system automates the disbursement process from receipt of invoice through issuance and reconciliation of remittance checks.

To ensure efficient use of funds, A/P PLUS provides extensive reporting capabilities and projects cash requirements by vendor, due date and bank accounts. Other system capabilities include extended payment scheduling, tax reporting and employee travel accounting.

To satisfy the varied reporting requirement of complex organisations, A/P PLUS offers a wide range of processing options.

Prepared on Digital's DECset Publishing System
The multicorporate, multilevel capabilities of A/P PLUS provide maximum flexibility in paying and distributing vendor invoices. The system's structure enables you to establish standard information and policy at the corporate level to govern processing throughout the entire system. This approach eliminates repetitive coding and reduces processing redundancy.

Contact: Mike Nolan  
(02) 922-3999  
McCORMACK & DODGE AUSTRALIA PTY LTD  
4th Level, 50 Berry Street  
North Sydney, NSW, 2060
Overview

Special-purpose AI machines are useful in certain situations. For example dedicated "Lisp Machines" are used in certain types of AI research. Normally, however, general-purpose computers are the best choice.

The strength of general purpose computers is precisely their general purpose nature—their flexibility. Not only do they provide broad support for program development, rather than specialised support for a particular language, but they also have operating systems that are more mature with a richer offering of user services, more sophisticated and flexible networking capabilities and, most importantly, a realistic opportunity to deliver practical artificial intelligence applications.

No system embodies the virtues of general purpose computing for artificial intelligence better than VAX systems. Digital's VAX superminicomputers are unique, allowing you to do research and development, application development, and delivery all on one system. When you want to do practical AI work, you need to consider all three of these functions.

No system is better equipped for program development that the VAX system. Digital offers two operating systems—the VMS operating system, widely acclaimed for its sophisticated features for efficient program development; and the ULTRIX operating system, Digital's extended implementation of the UNIX operating system that has been particularly popular among researchers.

Other AI languages, dialects and tools are available from third parties.

Digital's VAX-based workstations add the features so critical to AI research and development—sophisticated, high-resolution graphics; multiwindowing and multitasking; and an easy and efficient human interface. The VAXstation II is a fully integrated workstation that runs on the new MicroVAX II microprocessor; it puts VAX-11/780 class performance at a developer's desk with 1 to 9 Mbytes of memory, dedicated disk, and high-resolution graphics.

While embedded development tools may enhance speed somewhat for R&D purposes, Digital's standard graphics languages, GKS and DECOR provide excellent graphics development features. You can call them from any Digital language—including LISP.

Prepared on Digital's DECset Publishing System
VAX OPS5

Operating System: VMS
Keywords: *Expert systems *Language processors

VAX OPS5, developed and supported by Digital, is a native mode VAX compiler designed for building high performance, rule-based expert systems. Rules take the form of IF-THEN structures: IF some set of conditions exists, THEN perform a specified set of actions.

Execution of a VAX OPS5 program is different from programs written in an IF-THEN format in conventional languages. First, the order of the statements in a VAX OPS5 program does not control the order of execution as it does in other languages. At run time, each VAX OPS5 rule is compared with a model of the problem to be solved, and any with satisfied IF portions are saved. A built-in inference engine then examines all the saved rules, picks one rule that is most likely on the path to a correct solution, and executes its THEN portion. Second, VAX OPS5 has no subroutine calls, loops or branching as in conventional languages. The result of executing the selected rule is some modification to the problem model, rather than assigning values to variables.

Many of the world's most outstanding successful commercial expert systems are based on VAX OPS5. Significant discounts are available to Educational Institutions.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

S.1

Operating System: VMS
Keywords: *Expert systems *Language processors

Prepared on Digital's DECset Publishing System
S.1™ (Teknowledge, Inc) is an integrated package of software, training and support, designed to assist experienced knowledge engineers in the development of large-scale knowledge systems to solve practical problems.

S.1 derives its power by integrating strategies for representation, inference, and control. An S.1 knowledge base is composed of three kinds of knowledge: factual, judgmental, and procedural. Each kind of knowledge is encoded separately. Factual knowledge, representing assertions about objects and relationships between objects, is encoded in a specialised "frame system". Judgmental knowledge, representing heuristics and rules of thumb about the application, is encoded in "IF-THEN" rules. Procedural knowledge, representing sequences of problem-solving steps, is encoded in "control blocks".

S.1 provides the means for the professional knowledge engineer to solve complex reasoning problems that may require substantial quantities of factual, judgmental, and procedural knowledge. Distinguishing these different types of knowledge permits the efficient implementation, maintenance, and use of large-scale knowledge systems that can be maintained, updated, and used effectively.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 20:D03 DIGITAL SUPPORTED

ART

Operating System: VMS
Keywords: #Expert systems #Language processors

ART™ (Inference Corporation - Automated Reasoning Tool).

- ART is a tool for building expert systems of every description.
- ART's Representation Language can model expert knowledge through the use of facts and schemata. Its language is rich with semantic features that ease the difficult task of encoding knowledge.
- ART's Viewpoint Mechanism support both the exploration of hypothetical alternatives and the modelling of situations that change with time.

Prepared on Digital's DECset Publishing System
ART’s flexible Rule Base (incorporating absolute rules, hypothetical rules, constraint rules and belief rules) helps the knowledge engineer capture human expertise.

- ART’s Rule Compiler processes and compiles the rule base, providing the speed for real time applications when seconds count.
- ART’s Interactive Development Environment helps the knowledge engineer design and debug the system, and also makes it easy to develop a custom runtime interface for each application.
- ART can interface with other programs already active in the local computing environment. This makes it possible to introduce the expert system gradually, making use of existing software instead of replacing it.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 20:D04 DIGITAL SUPPORTED

QUINTUS PROLOG

Operating System: VMS
Keywords: *Expert systems  *Language processors

QUINTUS PROLOG offers a high performance development environment that provides an exceptional foundation for artificial intelligence and other symbolic processing applications. It is an excellent language base for the development of applications which require extensive data analysis in which general rules can be used to manipulate a database and for applications where users need totally flexible access to data.

Because Prolog’s programming language consists of logical relationships expressed in logic-based statements, it allows programmers to supply a series of facts and a set of rules about how those facts are related to each other. When you supply the facts, Prolog makes inferences from one fact to another. Programmers are able to concentrate on the application on formatting rules of expert judgement and developing natural language interfaces that make it easy for less experienced users to work with the system rather than on creating techniques for manipulating data inside the computer.

Prepared on Digital’s DECset Publishing System
QUINTUS PROLOG, developed under the direction of Prolog pioneer David Warren, offers exceptional performance via an incremental compiler.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 20:D05 DIGITAL SUPPORTED

INTERLISP

Operating System: VMS
Keywords: *Expert systems *Language processors

INTERLISP is an older dialect of LISP with powerful programmer support facilities. Many of the pioneering AI Systems were developed in INTERLISP, so that INTERLISP may be of interest when it is not worthwhile to convert an existing application to the more modern VAX Lisp (VAX Lisp is described elsewhere in this catalogue).

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 20:D06 DIGITAL SUPPORTED

VAX LISP

Operating System: VMS
Keywords: *Expert systems *Language processors

This rich implementation of Common Lisp, developed and supported by Digital, includes an interpreter, a compiler, a debugger and a powerful "Lisp-sophisticated" text editor. Common Lisp is now well established as the industry standard Lisp.

Prepared on Digital’s DECset Publishing System
VAX LISP is fully integrated with VMS, a critically important consideration where commercial applications are involved. Programs written in VAX LISP can call routines written in other languages, access databases, videotex, communications and other VMS facilities.

Significant Educational discounts are available.

**Contact:** Sales Department  
See rear of book for all Digital offices  
DIGITAL EQUIPMENT  
CORPORATION (AUSTRALIA)  
PTY LIMITED

---

**MUDMAN**

**Operating System:** VMS  
**Keywords:** *Expert systems* *Petroleum*

Scientists at NL Baroid, a worldwide manufacturer and supplier of drilling fluids and services, and a major division of NL Industries, Inc., in cooperation with Carnegie–Mellon University, have developed a high-level artificial intelligence system to aid in the application of drilling fluids for oil and gas drilling.

NL Baroid's MUDMAN™ computer aided drilling diagnosis is the first artificial intelligence (AI) computer system that will be placed in general use in the drilling industry and one of the first in any industry that will be commercially available.

MUDMAN is expected to help substantially decrease the risk of oil field drilling problems such as kicks, lost circulation and stuck pipe, especially on deep and complex wells. The system also provides networking, report generation, drilling data calculations and data base capabilities at the well site.

**Contact:** Sales Department  
See rear of book for all Digital offices  
DIGITAL EQUIPMENT  
CORPORATION (AUSTRALIA)  
PTY LIMITED

Prepared on Digital's DECset Publishing System
VAX NTR

Operating System: VMS
Keywords: *Communications

VAX NTR is a software package that allows a VAX/VMS system to communicate with a UNIVAC 1100 series or other host computer systems capable of using UNIVAC NTR protocol as described in the warranty limitations section of this SPD.

The software operates under the VAX/VMS Operating System to permit batch input/output Start-up, Shut-down and host queue interrogation by the emulator can be controlled from any one terminal, i.e. the control terminal, connected to the VAX/VMS Operating System.

VAX NTR communicates with the host over a switched or non-switched 2 or 4 wire line at speeds up to 9600 baud.

Features:

- Batch input can be from any input device supported by the VAX/VMS Operating System
- Batch output can be sent to any output device supported by the host Operating System
- Batch output to line printers can be spooled using the VAX/VMS system spooling mechanism
- Batch input can be submitted for transmission whether or not the connection to the host is active
- Batch input can be stored on disc by the emulator for later transmission to the host enabling improved line usage
- Batch input from punched cards can be in DEC-026, DEC-029, FIELDATA or EBCDIC code

The emulator control terminal can be used to:

- Start and stop the emulator
- List the host queues
- Select and change the output device for data received from the host
- Start and stop transmission of individual input streams to the host

From any terminal the user can

- Submit files for transmission to the host
- Interrogate the queue of files to be sent to the host by the emulator

Prepared on Digital’s DECSset Publishing System
RED BOOKS

Operating System: VMS
Keywords: *Communications

RED BOOK is the name of a communication product which is an implementation of the VAX/VMS Job Transfer and Manipulation Protocol.

It enables the user to generate and control tasks which are activated at remote network sites.

This software is distributed by Digital and supported by the End-User.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

COLOURED BOOKS

Operating System: VMS
Keywords: *Communications

COLOURED BOOKS is the collective name for a set of communication modules conforming to the Open Systems Interconnection standards.

The modules included are:

Blue Book – Network independent file transfer protocol
Yellow Book – Access to X.25, X.29 networks
Grey Book – Joint network Team Mail Protocol
Green Book - Package Assembler/Disassembler

This software is distributed by Digital, and supported by the End-User.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 30:T01

REMCOM

Operating System: VMS
Keywords: *Communications

The PSI remote computer communication facility allows a user via the computer to use an auto dial modem to connect transparently to another computer service. All computer services supporting 1200 baud asynchronous and scrolled screens with auto connect modems can be accessed from a user terminal. Multiple dial out ports are supported permitting more than a single user access.

Services such as McNair Anderson, and other business Database can be accessed. The facility permits optional logging of the results to a disk file to enable simple data capture of the results of the enquiry. This data may be printed out or alternatively manipulated for further analysis.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 30:T02

DMG/NET

Operating System: VMS, RSTS/E
Keywords: *Down-line loading *File transfer *Networking

Prepared on Digital's DECset Publishing System
Networking is made easy when you plug into the DMG/NET world. With one simple code, you can access every computer in your network, right from your own terminal. Your local DIGITAL computer can connect you to the world via private lines, auto-dial to the telephone system, or through and X.25 PAD to the world-wide packet switched networks. In seconds, your terminal can be “talking” to a system across the room or across the world.

DMG/NET allows you to transfer ASCII data to and from almost any computer. No special interfaces are required; just an RS232 port. When the remote computer is a DIGITAL machine (either RSTS/E or VMS), the full power of DMG/NET becomes apparent. You can transfer any compatible RMS or binary files, with the assurance that any transmission errors will be corrected.

Contact: Rod McArter  
(02) 211-2322  
NETWORK COMPUTER SOFTWARE  
6 Cunningham Street  
Sydney, NSW, 2000

SRC NO: 30:TO3

BLAST (Blocked Asynchronous Transmission)

Operating System: VMS  
Keywords: *Asynchronous communication *File transfer  
*Networking

BLAST Communications Software is an advanced software package that enables fast error free transfer of binary and text files between VAX computers and a wide range of other machines. This includes most other Digital computers, most popular microcomputers and many other minis and mainframes.

BLAST uses standard RS232 serial ports and enables transfer via normal dial-up telephone lines using any asynchronous modems at any baud rates, or via hard-wired links, satellite links, LANS or packet switched networks.

Contact: Phillip O'Connor  
(03) 528-2711  
MINI COMPUTER SYSTEMS PTY LTD  
368 Hawthorn Road

Prepared on Digital’s DECset Publishing System
SRC NO: 30:T04

PCLINK

Operating System: VMS
Keywords: *Down-line loading *File transfer *Networking *Personal computing *Telecommunications

PCLINK is a fully functional micro computer interconnect package for the DIGITAL VAX allowing connection of PC's and Macintosh systems.

PCLINK supports:

- Bidirectional ASCII and Binary file transfer
- Terminal emulation with full block mode support, escape to DOS, and up to 19.2 kb
- Virtual Disk - PC file system logically extended to the host
- Menu Drive User interface
- Command files allow automatic connection, login, and initial command execution on the host

PCLINK runs both in the VAX and the MICRO to achieve full compatibility.

Contact: David Murray
(02) 957-6382
TRI-DATA CORPORATION PTY LTD
Suite 5, 13-15 Myrtle Street
Crows Nest, NSW, 2068

Prepared on Digital's DECset Publishing System
Construction
MAPPS

Operating System: VMS
Keywords: *Project management *Scheduling

MAPPS is the collective name for the software products distributed by Digital.

MAPPS is a critical path based management tool that simultaneously processes time, costs and resources at both a corporate overview level and a project or detail level. MAPPS is available for the full range of Digital VAX Series computers operating under VMS and UNIX. MAPPS can handle 32000 activities, resources and connectors.

Special features include: ADM/PDM Networks, Event Scheduled Activities, Milestones, Multilevel Networks, Global Edit, Network Generation, Simulator, ability to interconnect with other databases through MAPPIN and MAPPOUT. Cost matrix budget spreadsheet, Macro/Micro Rollup, Multi-Network Resource Utilizer, Cash reports over multiple networks, Resource Leveller, Multi-Network Interconnect and extensive graphical reporting through the Graf/Plot reporting module, file compatibility with Quick-Plan on the Rainbow.

MAPPS represents the state of the art in computer aided project planning tools and is supported in Australia and New Zealand by the company that wrote it; Mitchell Management Systems Inc.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

TRACK50

Operating System: VMS
Keywords: *Civil engineering *Project management *Scheduling

TRACK50 – (Project Management Scheduling System)

Prepared on Digital's DECset Publishing System
TRACK50 is a versatile comprehensive scheduling package with sophisticated colour graphics capability. There are four modules so that the system can be tailored to your needs.

1) Basic scheduling gives full network analysis for up to 14,000 activities per network. Standard reports cover all aspects of managing a project plus there is a free-format report writer for specialised requirements. Input and output is fully interactive with extensive on-line HELP facilities.

2) The Graphics module produces multi colour time scaled network and Gantt charts. Activities can be selected and grouped by many criteria.

3) Advanced Scheduling allows for multilevel schedules and sub-schedules plus discontinuous scheduling.

4) Resource levelling schedules networks within resource levels and priority rules specified to maximise the effectiveness of the project.

Contact: W. Everett  
(02) 957-3144  
ACCESS COMPUTING PTY LTD  
4th Floor, 15 Blue Street  
North Sydney, NSW, 2060

SRC NO: 40:T02

VUE (Project Scheduling System)

Operating System: VMS  
Keywords: *Civil engineering  *Project management

VUE is everything you would expect in a state of the art project management system. It is remarkably easy to use. All functions are interactively selected from menus, and extensive on-line help messages are available. Anyone can be working productively with VUE the very first day.

VUE is flexible. Up to 3000 individual activities per project can be specified and tracked, and this may be extended even further with multi-project capabilities. Each activity can have 55 predecessors. Reports can show selected data, in the desired order, at a chosen level of summarisation according to your communication needs, including plotter
graphic options and custom report capabilities. The multi-project processing option even handles multiple projects that share resources or are dependent on each other's scheduling.

With VUE, any project can be planned, monitored and communicated, saving valuable time and resources as compared to any manual project management system.

Contact: W. Everett  
(02) 957–3144  
SUPPORTWARE  
4th Floor, 15 Blue Street  
North Sydney, NSW, 2060

SRC NO: 40:T03

ESTMAN

Operating System: VMS  
Keywords: *Bill of materials  *Civil engineering  *Mechanical engineering  *Purchasing

ESTMAN – Estimating Management System. Written in RATFOR and using FMS and DATATRIEVE, ESTMAN enables simple entry of 'schedule of rate' items and their labour/material costs. Provision exists for sub-item entry of up to 128 subitems to make a unit line entry. Costs are automatically calculated for sub-items and incorporated at line item level. On completion of item entry, the markup is applied and sell price established for unit and quantities. The system enables data entry form headings to describe line items to be varied form job to job to suit tender requirements for example; each job may be multiuser. Reports can be configured to suit requirements. Full System Management is provided to allow archival/retrieval of old jobs. Multi-department security is provided. The system is menu driven, using a high speed menu driver with built-in security features.

The system may be distributed on 9 track MT or RA60 pack.

Contact: Mr T. Potts  
(02) 278–211  
KILPATRICK GREEN PTY LTD  
1 York Street  
Sydney, NSW, 2000

Prepared on Digital's DECset Publishing System
SRC NO: 40:T04

VUE (Project Management System)

Operating System: VMS
Keywords: *Project management

VUE is an interactive (CPM) project management system covering 3000 activities per project and multiple project capabilities. Menu or command driven with standard or user defined reports. Flexible to meet unique site requirements. It offers printer and plotter graphics and a Time Scaled Network Diagram module.

VUE supports precedence or IJ notation, allows five levels of summarisation, tracks up to 100 resources and allows for resource based activity duractions. VUE supports local planning on micro and consolidations on VAX. VUE was developed in Fortran. Standard distribution is on magnetic tape.

Contact: Peter Gillson
(03) 848-7100
PROVEN SYSTEMS PTY LTD
Suite 2, 600 Doncaster Road
Doncaster, VIC, 3108

SRC NO: 40:T05

GDS

Operating System: VMS
Keywords: *Architecture *Mapping *Development tools

GDS – General Drafting System – is widely acclaimed 2D drafting package offering great accuracy, fast repetition of standard details, rapid amendment and high speed output to any scale. It offers numerous practical features to increase its flexibility and effectiveness including Macro BASIC allowing users to write their own programs within GDS, Attribute Data for compiling parts lists and schedules, and Multi plot for creating views from existing drawings.

3D viewing facilities are available within GDS. Some of the supporting modules cover applications of Mapping with associated database manipulation, Architecture, Civil Engineering, and Mechanical Engineering.

Prepared on Digital's DECset Publishing System
Contact:  R. Fill / G. Furkert
(09) 543-046
CAD/CAM Systems Limited
Box 9065
Newmarket, Auckland, New Zealand
Development Tools
VAX-11 RSX

Operating System: VMS
Keywords: Development tools

VAX-11 RSX is an emulator of the RSX-11 operating system family which executes on VAX/VMS. It provides special capabilities which enable PDP-11 users to develop programs for execution in any of the following environments.

- VAX/VMS compatibility mode
- RSX-11M-PLUS
- RSX-11M
- RSX-11S
- Micro/RSX
- P/OS

VAX-11 RSX also allows for the migration of many existing RSX-11 applications to VAX/VMS.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

VAX-11 DIAGNOSTIC PROGRAM MACROS LIBRARY

Operating System: VMS
Keywords: Development tools

The VAX-11 Diagnostic Program Macros Library is a set of macros that establish the interface between a diagnostic program and the VAX-11 diagnostic supervisor.

The VAX-11 Diagnostic Program Macros Library is provided in two versions: MACRO-32 and BLISS-32.

Library Components

Prepared on Digital’s DECset Publishing System
Diagnostic Program Macros are organised into five categories by function and method of implementation.

Utility Macros – Control program format through assembly and linker directives. Program control utility macros enable the diagnostic program to test specific runtime conditions and to alter program flow.

Symbol Definition Macros – Assist the programmer by defining the global symbols required by many programs.

Supervisor Service Macros – Include supervisor service routines that perform specific functions but do not modify program flow. Most supervisor routines return status codes as well as return control to the location following the instruction that called the supervisor routine.

Contact:  
Sales Department  
See rear of book for all Digital offices  
DIGITAL EQUIPMENT  
CORPORATION (AUSTRALIA)  
PTY LIMITED

VAX SPM

Operating System: VMS  
Keywords: #Development tools

VAX SPM is a Software Performance Monitor which enables the user to collect and report performance statistics for VAX/VMS systems. General performance statistics can be collected on a system wide basis and detailed statistics can be collected on a per-process basis.

Analysis of the performance reports provides information relevant to system tuning, avoidance of system bottlenecks, design and development of applications, and system capacity planning.

Features:

- System-wide Performance Monitor: Collects and reports performance data pertinent to analysing and tuning a VAX/VMS system configuration data sysgen parameters.
- Capacity Planning Monitor: Collects and reports data useful to a system manager in planning for hardware upgrades or add-ons.
- System Display Monitor: Dynamically displays performance data on a VT125 (an optional colour monitor may be used) VT240, VT241 or PRO 350 terminal.
- System PC Sampler: Is a CPU monitor which shows the user where and how the CPU is spending its time.
- Image PC Monitor: Is a CPU monitor which shows the user where the CPU is spending its time within a user program.
- System Trace Facility: Is used for collecting events within VMS of specific interest to a user.
- Disk Volume Analyser: Provides detailed usage information for ODS-2 disk volumes: volume attributes, allocated space and free space.
- Chargeback Report Generator: Reads a VMS accounting file and generates a billing report showing the amounts and monetary values of the resources consumed by each user on the system. The report prices and comment information are user-specified.

**Contact:** Sales Department

See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

**VAX PRODUCER** Interpreter

**Operating System:** VMS

**Keywords:** #Development tools

The VAX PRODUCER interpreter reads and processes files produced by the VAX PRODUCER Development System. Two types of files are supported. Display Libraries (which are created by the VAX DRAW graphics editor and hold the visual information) and interpreter files, created by using the VAX DESIGN Preprocessor and Linker (which contain the branching, response, and judging information). VAX DESIGN is the language of the VAX PRODUCER used to create highly interactive and graphically oriented programs, and may be used in such applications as Computer-Based Instruction (CBI), point of purchase, or information retrieval.

Refer to SPD Number 26.53.02 when requesting further information on this product from your local DIGITAL Sales Office.

**Contact:** Sales Department

Prepared on Digital's DECset Publishing System
VAX PRODUCER

Operating System: VMS
Keywords: *Development tools

VAX PRODUCER is a software package that allows users to create visually-based, interactive programs such as Computer Based Instruction (CBI), point-of-purchase, marketing demonstrations or information retrieval systems.

VAX PRODUCER programs are made up of two components, a visual component created by the VAX DRAW Graphics Editor, and an interactive/branching component created using the VAX DESIGN Development Language. VAX DRAW, the graphics editor of the VAX PRODUCER system, allows a user to create screen displays and store them in a file called a Display Library. The VAX DESIGN Development Language is used to control the interaction with the user and what happens as a result. VAX DESIGN source programs are pre-processed and linked into a file containing a pseudo-machine language that is system and address space independent. Programs written in the VAX DESIGN Development Language on a VAX/VMS or MicroVMS system can be run without modification on any system with a PRODUCER Interpreter. The PRODUCER Interpreter reads from the pseudo-code file and Display Library to present the information and interact with the user. Refer to the PRO/PRODUCER Tool Kit Software Product Description (SPD Number 40.34.xx) for more information.

Refer to SPD Number 26.52.02 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
VAX PERFORMANCE AND COVERAGE ANALYZER

Operating System: VMS
Keywords: Development tools

The VAX Performance and Coverage Analyzer is a tool to help VAX/VMS and MicroVMS users analyse the execution behaviour of their application programs. The VAX Performance and Coverage Analyzer has two functions. First, it can pinpoint execution bottlenecks and other performance problems in applications programs. Secondly, it provides test coverage analysis by measuring what parts of a user program are executed or not executed by a given set of test data.

The VAX Performance and Coverage Analyzer is an aid in tuning the performance and testing of application programs. It is not a tool for the analysis of operating system performance or for use as an aid in hardware resource planning.

The VAX Performance and Coverage Analyzer consists of two parts: the Collector, which gathers performance or test coverage data on the running user program and the Analyzer which later processes and displays the collected data. The Collector gathers the performance data and writes that information to a data file. Once the data has been collected into a data file, the Analyzer can be run using the data files as input. The Analyzer is a separate program which reads the data file produced by the Collector and presents the results as performance histograms or other displays.

Refer to SPD Number 26.76.00 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

VAX LANGUAGE SENSITIVE EDITOR

Operating System: VMS
Keywords: Development tools

Prepared on Digital's DECset Publishing System
The VAX Language-Sensitive Editor is a multi-language, multi-window, screen-oriented editor specifically designed for program development and maintenance. The Editor is "language-sensitive" in that it provides users with VAX language-specific information. This information enables both new and experienced programmers to develop programs faster, with fewer errors, through VAX language-specific construct completion, and error detection and correction facilities.

The VAX Language-Sensitive Editor works in concert with supported VAX languages and the VAX Symbolic Debugger to provide a highly interactive, on-line environment that facilitates the EDIT-COMPILE-DEBUG portion of the program development cycle. Within a single editing session, users can write code, edit, compile, review compile-time errors, and correct compile-time errors. The Editor can be invoked directly from the VAX Symbolic Debugger to correct source code errors found during a debugging session.

Users can customise the environment by tailoring and expanding upon the features and structures provided by the VAX Language-Sensitive Editor. User-defined environments can be saved for future use.

Refer to SPD Number 26.59.01 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D08  DIGITAL SUPPORTED

VAX FMS

Operating System: VMS
Keywords: *Development tools

The VAX FMS Forms Management System is designed to aid in the development of application programs that use video forms. VAX FMS manages the forms for application programs that use DIGITAL's family of VT200 and VT200-compatible terminals. When used in conjunction with VAX BTS, VAX FMS can be used with any BTS supported 3270-
compatible bisync terminal. Forms defined using FMS provide the programmer with the ability to use the following features of DIGITAL's family of VT100 and VT200-compliant terminals:

- Individual character attributes of reverse video, bold, blinking, and underline
- Line attributes of double width, double height and scrolled
- Screen wide attributes such as 80 or 132 column lines and reverse video
- Alternate character sets including the VT100 "special graphics character set" for line drawing

VAX FMS form data structures are used by the Form Driver during runtime to display forms, and to access and validate data entered by the terminal operator. Forms can be created and modified interactively with the interactive editing facility (FMS/EDIT) or they can be defined as a source form description with the Form Language and then converted to a form data structure using the Form Language Translator (FMS/TRANSLATE).

Refer to SPD Number 26.10.06 when requesting further information on this product from your local DIGITAL Sales Office.

**Contact:** Sales Department  
See rear of book for all Digital offices  
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)  
PTY LIMITED

**SRC NO:** 60:D09  
**DIGITAL SUPPORTED**

**VAX DEC/TEST MANAGER**

**Operating System:** VMS  
**Keywords:** *Development tools*  

VAX DEC/TEST MANAGER automates regression testing by executing user-supplied tests and automatically comparing the results with the expected test results. VAX DEC/TEST MANAGER gives the software engineer flexibility in organizing tests, selecting tests for execution, and verifying and reviewing test results.

VAX DEC/TEST MANAGER lets the user create a library area for test result storage. It allows users to:

*Prepared on Digital's DECset Publishing System*
- Create descriptions of their software tests
- Group these test descriptions into meaningful combinations for later runs
- Modify or display the test descriptions or groups
- Execute specific tests, groups of tests, or combinations of groups of tests
- Compare the results of the executed tests with benchmark test results to determine differences
- View test results interactively
- Update benchmarks as needed

VAX DEC/TEST MANAGER runs on VMS and is targeted for use by software engineers working on a wide range of software projects that can be tested in batch.

Refer to SPD Number 26.68.01 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D10 DIGITAL SUPPORTED

VAX DEC/Shell

Operating System: VMS
Keywords: *Development tools

The VAX DEC/Shell, running on VAX/VMS and MicroVMS, provides the same user interface found in the native UNIX™ version 7, namely the Bourne Shell. VAX DEC/Shell is an alternative command line interpreter to DCL.

VAX DEC/Shell, along with VAX C, VAX DEC/CMS and VAX DEC/MMS, makes up the VMS layered product set for VNX. Functionality similar to UNIX is provided.

Features:
- Control-flow primitives
- Parameter passing

Prepared on Digital's DECset Publishing System
60 DEVELOPMENT TOOLS

- Environment variables
- String substitution
- Structured constructs (such as while, if-then-else, case and for)
- The capability to modify a command's environment
- UNIX file name syntax
- Input and output redirection to and from files
- Pipes for passing the output of one command to the input of another
- User-definable search paths for command execution
- Many commands and utilities similar to those found on a UNIX system
- A Shell run-time library
- Mechanisms for using DCL (DIGITAL Command Language) from the Shell
- Interface to VAX DEC/CMS which provides functionality similar to the UNIX utility "SCCS"
- Interface to VAX DEC/MMS which provides functionality similar to the UNIX utility "MAKE"

Refer to SPD Number 26.69.02 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D11 DIGITAL SUPPORTED

VAX DECOR

Operating System: VMS
Keywords: *Development tools

VAX DECOR is a graphics subroutine package that provides an interface between an application program and graphics devices. The interface is device-independent and supports user-developed device handlers, as well as those supplied with VAX DECOR. VAX DECOR includes commonly required device handler routines and detailed documentation designed to guide and assist in the development of user-specified device handlers.

VAX DECOR is based upon the ACM/SIGGRAPH Graphics Standard Planning Committee's 1979 "CORE GRAPHICS PROPOSAL" and includes 2D direct and buffered output (level 2), a subset of synchronous input (level 2), and most "Raster Extensions".

Prepared on Digital's DECset Publishing System
Features:

- Output Primitives - Lines, polylines, text, markers, plain polygons, and patterned polygons
- Picture Segments - Retained segments containing a collection of output primitives allow interactivity with the output image
- Viewing Operations - Objects are described in a user-specified "World Coordinate System" and viewed through user-controlled "Windows and View Ports"
- Attributes - Each output primitive type and retained segments have several associated "Attributes", which provide control of the appearance of the output image
- Input Primitives - The "Locator" primitive is supported
- Control - Provides overall management of the picture generation process, including DECOR initialisation and termination; multiple simultaneous view surface or device initialisation, selection and termination; and error reporting and logging
- Device Handlers (UNIBUS VAX) - DIGITAL VS11, VS100, VT125, VT240, VT241, and Tektronix 4014
- Device Handlers (Q-BUS VAX) - DIGITAL's VAXstation I (running Tektronix 4014), VT125, VT240, VT241, and Tektronix 4014

Refer to SPD Number 25.05.05 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D12 DIGITAL SUPPORTED

VAX DECprom - Prom Programming Utility

Operating System: VMS
Keywords: #Development tools

VAX DECprom is a VAX/VMS software utility that controls a programmable read-only memory (PROM) or erasable programmable read-only memory (EPROM) programming device. The primary purpose of the utility is to transfer program images from a file on a host development

Prepared on Digital's DECset Publishing System
system to a PROM mounted in the socket adapter of the programming device. The utility supports any PROM programmer that conforms to the protocols used by VAX DECprom. The programmer hardware connects to a VAX/VMS host development system over an RS232C serial line, which is distinct from the console interface on the host system.

VAX DECprom supports five types of binary program image files:

- MicroPower/Pascal MIM files
- LDA files
- A restricted format of the RSX-11 Task builder TSK file, which is a nonoverlaid memory image file without a task header or checkpoint area
- Unformatted memory image files similar to nonoverlaid RT-11 SAV files
- VAX/VMS EXE system image files without headers

Refer to SPD Number 26.49.02 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D13 DIGITAL SUPPORTED

**VAX DEC/MMS**

Operating System: VMS
Keywords: *Development tools

VAX DEC/MMS, Module Management System is a software tool designed to enhance programmer productivity. It determines what components in a described software system have changed and rebuilds the system in an optimal way.

When some modules of a software system are modified, dependent modules may need to be recompiled. VAX DEC/MMS determines which modules need to be recompiled, and performs the appropriate actions to insure that the software system is recompiled and linked with all the latest changes. Additionally, VAX DEC/MMS has the ability to interact with VAX

Prepared on Digital's DECset Publishing System
DEC/CMS (Code Management System), VAX Common Data Dictionary (CDD) and/or VAX FMS to provide an enhanced software development package.

Features:

- VAX CDD compatibility, Version 2.1 or later
- VAX DEC/CMS compatibility
- VAX FMS compatibility, Version 2.1 or later
- Can access VAX/VMS object libraries
- Can be used with any VAX/VMS supported language

Refer to SPD Number 26.03.06 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

**SRC NO:** 60:D14  DIGITAL, SUPPORTED

**VAX DEC/CMS**

Operating System: VMS
Keywords: *Development tools

VAX DEC/CMS (Code Management System) is a library system that facilitates the development and maintenance of software systems. Software systems are divided into different functional components that are, in turn, organised into sets of one or more files. During development, one or more programmers continually make changes to these files. VAX DEC/CMS helps manage the files during development (and later during maintenance) by storing the files in a project library, tracking changes and monitoring access to the library. VAX DEC/CMS also supplies a means of manipulating different combinations of files within a library. The ability to formalise these combinations provides a focus for system design and a means of organising the files within a library.

Features:

- Store ASCII test files in a project library
- Retrieve previous file generations

Prepared on Digital's DECset Publishing System
DEVELOPMENT TOOLS

- Obtain a report of file modification, including when, why and by whom the modification was made
- Determine the origin of each line of a file, either as an annotated listing or as comments in the file
- Manage concurrent modifications
- Merge separately-developed modifications
- Combine related files together as a "group"
- Relate the generation of one element to the corresponding generations of other elements for purposes of freezing baselines or releases and for organising ongoing development
- Interface via callable routines as well as DCL commands
- Assure library protection by using access control lists of VMS with CMS libraries
- Use of complete conversion package to convert Version 1 library to Version 2

Each CMS command is invoked from VMS command level to perform a specific function, such as reserving a file for modification or obtaining a report of development status. Each command returns to VMS's command level, where the user may edit, compile, and test in the usual manner. Since VAX DEC/CMS allows the user to work with sequential ASCII files, all of the standard editors and compilers can still be used.

Refer to SPD Number 25.52.06 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D15 DIGITAL SUPPORTED

PROFESSIONAL HOST TOOL KIT PASCAL

Operating System: VMS
Keywords: *Development tools

PROFESSIONAL HOST TOOL KIT PASCAL is an extended implementation of the PASCAL language. The extensions assist the application programmer in accessing the P/OS system capabilities and simplify application design. In addition, there is a high degree of compatibility with VAX PASCAL and the ISO and ANSI Pascal standards.

Prepared on Digital's DECset Publishing System
Professional Host Tool Kit Pascal is a true, optimising compiler. This software, running on a host VAX/VMS, RSX-11M or RSX-11M-PLUS system, generates PDP-11 instructions for eventual execution on a target Professional 300 series system. The compiler itself runs in the Tool Kit environment. The generated code has full access to the graphics library, menu services, and communications services.

PASCAL is a structured, high-level programming language that provides a modular, systematic approach to computerised problem solving.

Refer to SPD Number 30.30.03 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D16  DIGITAL SUPPORTED

PROFESSIONAL HOST TOOL KIT FORTRAN-77 DEBUG

Operating System: VMS
Keywords: *Development tools

PROFESSIONAL HOST TOOL KIT FORTRAN-77 DEBUG is a fully symbolic debugger for FORTRAN-77 and MACRO-11 which run on the Professional 300 Series Applications Development System. Professional Host Tool Kit FORTRAN 77 DEBUG is a tool that aids in finding the location of programming errors in successfully compiled programs that do not execute properly.

Professional Host Tool Kit FORTRAN 77 DEBUG runs as a two task debugger. A small portion of the code necessary to debug applications is linked with the user task and the major portion of the debugger runs as a separate task.

Professional Host Tool Kit FORTRAN 77 DEBUG provides access to program symbols by reading the symbol table file produced by the Taskbuilder on any of the host operating systems. Professional Host Tool Kit FORTRAN 77 DEBUG can understand symbols produced by Professional Host Tool Kit FORTRAN 77 and MACRO-11.

Prepared on Digital's DECset Publishing System
66 DEVELOPMENT TOOLS

Refer to SPD Number 30.42.01 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D17 DIGITAL SUPPORTED

PROFESSIONAL HOST TOOL KIT FORTRAN-77

Operating System: VMS
Keywords: *Development tools

PROFESSIONAL HOST TOOL KIT FORTRAN-77 is an extended implementation of the ANSI subset FORTRAN-77 standard (X3.9 1978) that runs on the Professional 300 Series Application Development System. Professional Host Tool Kit FORTRAN-77 contains the features of the ANSI FORTRAN-77 subset, many of the full-set language features, and extensions that are not included in the ANSI FORTRAN-77 standard. Switch selectable support is provided for user programs based on the previous ANSI FORTRAN standard (X3.9 1966).

Professional Host Tool Kit FORTRAN-77 meets the Federal Information Processing Standard Publication (FIPS, PUB 69) requirement for a flagger. The flagger optionally produces diagnostic messages for syntax and/or source from elements that do not conform to the full-level ANSI FORTRAN X3.9 1978 standard.

An application is compiled on systems running RSX-11M, RSX-11M-PLUS, or VAX/VMS, as part of the Professional Host Tool Kit, and subsequently linked and moved to the Professional 350 with hard disk for debugging and execution.

Refer to SPD Number 30.38.02 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
PROFESSIONAL HOST TOOL KIT DIBOL

Operating System: VMS
Keywords: Development tools

Professional Host Tool Kit DIBOL is a high level procedural language designed specifically for interactive business data processing. It allows development of DIBOL application programs for the Professional 300 series of computers on a VAX/VMS, RSX-11M or RSX-11M-PLUS host system.

The DIBOL program development process consists of compiling the DIBOL source program using the DIBOL-83 compiler, linking the object programs with external subroutines and library modules, and developing any required Help or Menu frames with the Frame Development Tool on the host system. The application and any frame files can then be transferred to the Professional system over a standard terminal interface line and executed and debugged on a Professional Series computer.

Professional Host Tool Kit DIBOL is based on the DIBOL Standards Organisation's DIBOL-83 definition of the language. Professional Host Tool Kit DIBOL is highly compatible with DIBOL-83 implementations on other operating systems, including RSTS/E, RSX-11M-PLUS, CTS-300, and VAX/VMS, as well as PRO/Tool Kit DIBOL which allows applications to be developed on the Professional 350 computer with hard disk. It also provides Professional Series 300 specific extensions while retaining the capabilities and advantages of DIBOL-83.

Refer to SPD Number 30.26.03 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

PROFESSIONAL HOST TOOL KIT COBOL-81

Operating System: VMS

Prepared on Digital's DECset Publishing System
Professional Host Tool Kit COBOL-81 is a high level language for business data processing that generates programs for execution under control of the P/OS Operating System. It is based upon the 1974 ANSI COBOL Standard X3.23-1974 and includes some of the features planned for the next COBOL standard. This COBOL-81 is compatible with COBOL-81/RSX, is a subset of VAX COBOL, and includes various DIGITAL extensions to COBOL, including screen handling at the source language level.

Professional Host Tool Kit COBOL-81 meets the low-intermediate level requirements of the United States government, as described in FIPS PUB21-1.

Professional Host Tool Kit COBOL-81 shares many common features with VAX COBOL. These features are implemented with the same syntax and semantics on both compilers. In this way, source code developed using COBOL-81 may be migrated to VAX COBOL. Additionally, a VAX/VMS System may be used to develop code that will eventually be compiled using COBOL-81.

Refer to SPD Number 30.31.02 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

PROFESSIONAL HOST TOOL KIT BASIC-PLUS-2

Operating System: VMS
Keywords: *Development tools

PROFESSIONAL HOST TOOL KIT BASIC-PLUS-2 is a significantly extended BASIC compiler that takes full advantage of the floating point and integer instructions and generates threaded code.

BASIC-PLUS-2 provides a high performance program execution environment for applications development and timesharing.

Prepared on Digital's DECsset Publishing System
An application is compiled and linked on systems running RSX-11M, RSX-11M-PLUS or VMS, as part of the Professional Host Tool Kit, and moved to the Professional 350 for debugging and execution.

In addition to elementary BASIC language features, BASIC-PLUS-2 provides:

- **COMPILE-TIME DIRECTIVES**
  Text inclusion through the use of the %INCLUDE directive
  Conditional compilation (%IF)
  Listing and cross-reference output controls (%LIST, %CROSS)

- **STRUCTURED PROGRAMMING CONSTRUCTS**
  31 character alphanumeric statement labels
  31 character variable names, allowing (-) and (.)
  DECLARE statement removes the requirement for (%) and ($) suffixes
  Explicit declarations provide access to many data types
  Most program lines do not need line numbers
  Statement condition/repeat modifiers simplify structure
  IF . . . THEN . . ELSE . . ELSEIF . . END IF conditional blocks
  SELECT . . CASE . . END SELECT multiway decision blocks
  EXIT and ITERATE statements for iterative statement blocks
  OTHERWISE out-of-range clause for ON GOTO and ON GOSUB statements

- External Statement allows access to global variables, functions, and constants, and allows data typing of parameters to aid in minimising run-time mismatches
- Language Subsets and Subset Flaggers
- Exception Handling (ON ERROR) for main and sub-programs
- Multiline Statements and Multistatement Lines
- Program Segmentation
- Implicit or Explicit data typing allowed
- Symbolic names for control characters BEL, BS, HT, LF, VT, PH, CR, SO, IS, ASK, and DELL
- Definition of user-defined program constants through DECLARE CONSTANT
- A BASIC Symbolic Debugger allowing inspection and alteration of program variables
- File Organisations and Access Methods
- Dynamic record definition and variable allocation via MAP DYNAMIC
- Extended Report Formatting Capabilities
- Arrays up to eight dimensions, declarable at run-time
- Matrix manipulation capabilities

Prepared on Digital's DECset Publishing System
Refer to SPD Number 30.27.04 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D21 DIGITAL SUPPORTED

PROFESSIONAL HOST TOOL KIT

Operating System: VMS
Keywords: *Development tools

PROFESSIONAL HOST TOOL KIT consists of programming tools and libraries which allow development of applications for the Professional 300 series of computer systems. Programming languages available to the developer for building Professional based applications are BASIC-PLUS-2, COBOL-81, DIBOL, FORTRAN-77, MACRO-11, and PASCAL.

The development process uses a host VAX/VMS, RSX-11M or RSX-11M-PLUS system for application development. An editor provided with the host system is used to develop source files. MACRO-11 or a separately available Tool Kit language is used to assemble or compile the source program. The program is then linked against the libraries provided with the Tool Kit and the frame builder is used to prepare the menu and help frames. The resultant files are then transferred to a Professional 350 or Professional 380 with hard disk for debugging.

Features:

RMS -
Service routines that provide a file and record management interface between the Professional Operating System (P/OS) and application programs. User programs interface to RMS through statements or function calls that provide logical record I/O to data files. RMS supports sequential, relative and multikeyed indexed sequential (ISAM) file organisations.

FMS -

Prepared on Digital's DECset Publishing System
Forms-oriented, video I/O management system designed for use as an independent front-end that logically offloads the complexities of video I/O management from the application programmer. Call statements from high-level language interfaces are provided for the supported languages.

SORT -
A subroutine is provided that can be contained in an application program to call a sort program with capabilities that include record sort and tag sort. Support for collating sequences other than English is provided.

GRAPHICS -
Set of device independent functions that are callable from any of the supported languages. Commands are available to draw lines, polygons, circles, and interpolated curves. Most commands provide absolute and relative coordinates. There are over 20 commands to control the appearance of displayed objects, such as colour, texture, etc.

PRO/GIDIS — (General Image Display Instruction Set)
Set of device independent graphics primitives that directly control the Professional's bit map video subsystem. Included are instructions to draw lines, arcs, and text, set writing colour, perform viewing transformations, and other graphics functions. PRO/GIDIS instructions are encoded as a stream of op-codes and argument data that are passed from the application program to the PRO/GIDIS interpreter via the P/OS QIO mechanism.

Frame Development Tool –
Development of menus, help and messages for the Professional end-user interfaces. This allows applications to have a command and help interface consistent with the rest of the system.

Host File Transfer –
Host side of file transfer between the host development system and the Professional (Pro/Communications required for each Professional).

P/OS Services –
Subroutines that provide access to a variety of services, including help, menus, and messages produced by the Frame Development tool, memory management, task management etc.

Refer to SPD Number 30.28.05 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT

Prepared on Digital’s DECset Publishing System
PLXY-11/VAX PLOT PACKAGE

Operating System: VMS
Keywords: *Development tools

PLXY/VAX is a software package designed to provide the VAX/VMS user with access to the plotting capabilities of the LXY graphic printer.

The package consists of:
- A library of FORTRAN callable graphic subroutines
- A post-processing program (to create a plot file)

The PLXY-11/VAX user writes FORTRAN application programs using the graphic facilities provided by the PLXY-11/VAX subroutine library. These subroutines convert the user’s graphic requests into a series of vectors stored on an intermediate (vector) file. Vector data from this file are sorted and formatted into LXY graphic printer plottable data (raster format) by the post-processing program. This plottable data is stored in an intermediate file where it can be subsequently transferred via a system utility (e.g., COPY) to the LXY graphic printer. Output to the LXY graphic printer is directed through the standard LP11 line printer driver or terminal driver for serial line options.

The PLXY-11/VAX subroutine library includes routines for character and line drawing. Since all operations are program controlled, either axis or both axes can be addressed in positive or negative incremental steps. The graphics subroutine library consists of the following:

- PLOTST
  Initialises and opens the output vector file, internal plot parameters and status registers in preparation for another plot.
- PLOTND
  Empties the buffers and closes the vector file to terminate the user task's current plot.
- PLOT
  Enables the user to draw a point or a line and controls the logical reference point of PLOT origin.
- FACTOR

Prepared on Digital’s DECset Publishing System
Enables the user to enlarge or reduce the size of the plot by a specified plot sizing ratio.

- WHERE
Provides access to the current value of the X-Y coordinates of the plot position pointer and plot sizing factor.

- SYMBOL
Plots 31 standard ASCII symbols of practically any size and at any angle with respect to the horizontal axis.

- NUMBER
Plots a floating point number in FORTRAN IV format.

- SCALE
Permits setting of a scaling factor and starting value to allow plotting data within a user-specified length graph

- AXIS
Plots a labelled axis from the specified point (X,Y)

- LINE
Allows an array of points to define the plotting of a graph

- NEWDEV
Allows the specification of a nondefault filename to the output file

Refer to SPD Number 25.42.04 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D23  DIGITAL SUPPORTED

COURSEWARE AUTHORING SYSTEM

Operating System: VMS
Keywords: *Development tools

Courseware Authoring System (C.A.S.) combines a powerful, easy-to-learn authoring language with a user interface and a utility package, designed for developing, delivering and monitoring computer-based instruction. C.A.S. is a VMS layered product which requires a GiGi (VK100), VT125, VT240 or VT241 terminal.

Prepared on Digital’s DECset Publishing System
C.A.S. components include the authoring language compiler, run-time library, user interface, utilities, and a computer-based instruction lesson on DAL.

Authoring Language Compiler:

The DIGITAL Authoring Language (DAL) is a high-level programming language designed expressly for computer-based instruction. Some major aspects of the language are: special response-judging capabilities, including a spelling algorithm, logging of lesson performance information, screen addressing and full integration of graphics.

DAL has various response-judging capabilities which can be incorporated into the lesson by the author.

The author can:
- Control whether or not spelling, punctuation or capitalisation must be exactly as specified in the response
- Indicate whether or not extra words can be entered in the response
- Specify that the words in the response can be in any order, as long as all of the words are present
- Define multiple right and wrong answers, each with a different logic path
- Specify that the response will be an expression, which will be evaluated during the response-judging process

Any of these attributes can be altered on a question by question basis.

The graphics capabilities of the graphics terminal are used by commands which actually draw specific objects (box, line, circle) and others which access files produced by the ReGIS Graphics Editor and the ReGIS Slide Projection System.

Commands which define graphics attributes, such as colour, italics and size as well as those which define axes and windows for erasure are also available. DAL supports a subset of the VAX procedure calling standard which allows programs to call procedures written in other languages.

Refer to SPD Number 25.95.03 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
COURSEWARE DESIGN SYSTEM

Operating System: VMS
Keywords: *Development tools

The Courseware Design System (C.D.S.) is a menu-driven system for developing computer-based instruction material. C.D.S. uses pre-defined video forms called "templates". A.C.D.S. template is designed for use by an individual with no programming background. C.D.S. includes both pre-defined sample templates and the capability to create and modify templates.

A template determines the structure of a C.D.S. lesson. Three pre-defined templates are included, with C.D.S. These sample templates are fully functional and may be used to create multiple choice, tutorial, or paragraph comprehension style lessons. The product also includes tour test templates which can be changed/modified by template developers. The template screen prompts the user to enter lesson information in a fill-in-the-blank manner. A special C.D.S. command allows for easy incorporation of separately generated ReGIS graphics within the lesson.

A C.D.S. menu option automatically generates a Digital Author Language (DAL) source program from a C.D.S. lesson. The DAL source program can then be compiled and linked for use with the Courseware Authoring System (C.A.S.). In order to provide scoring and student management functions, the Courseware Authoring System (C.A.S.) is required.

C.D.S. templates are created with a template design tool. The template design tool permits users with instructional design and programming expertise to create and modify templates.

Refer to SPD Number 26.58.01 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED
VAX TDMS

Operating System: VMS
Keywords: *Development tools

VAX TDMS (Terminal Data Management System) is a product designed for the implementation of interactive, forms-intensive applications running on the VAX/VMS Operating System, and run-time only applications for MicroVAX/MicroVMS systems. As a terminal subsystem, VAX TDMS can reduce the application development and maintenance effort by replacing application program logic, specific to terminal interactions, with definitions that are external to the program. VAX TDMS provides:

- A Screen Editor to define FORMs that format data on the terminal
- A nonprocedural language to define the exchange of data between an application program and its associated terminal. These pre-defined exchanges are called REQUESTs and are external to the program.
- Utilities that enable the creation, modification, and storage of FORM definitions and REQUEST definitions.
- A "Record Level" programming interface which the application program uses to invoke and execute the pre-defined REQUESTs. The application program calls the program interface passing it the REQUEST name and the program record buffers used in the exchange of data with the terminal.

VAX TDMS applications range from database inquiry/response/update to real-time uses such as the periodic display of an industrial process. VAX TDMS is typically used as a terminal subsystem in terminal data management applications such as inventory control, manufacturing, distribution and other form-intensive applications.

Refer to SPD Number 25.71.09 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA) Pty Limited

SRC NO: 60:D26 DIGITAL SUPPORTED

VAX COBOL GENERATOR

Prepared on Digital's DECset Publishing System
Operating System: VMS
Keywords: *Program generator *Programmer Productivity Tool

Some of the features of the VAX COBOL Generator include:

- A single environment for creation and maintenance of complete COBOL applications
- Primarily RMS based; can link to Rdb and DBMS databases
- Application design assumes knowledge of 3GL techniques
- Graphical interface for application development
- Built-in forms, reports, menus, flow control features
- Produces COBOL source code
- High performance
- Can be used in combination with other VMS productivity tools (e.g. the Performance and Coverage analyser)
- Applications can be run on any VMS system; no special runtime environment is required

Contact:  Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 60:D27  DIGITAL SUPPORTED

VAXset

Operating System: VMS
Keywords: *Programmer productivity tools

VAXset is a package of five software development tools:

- VAX Language Sensitive Editor
- VAX Performance and Coverage Analyser
- VAX DEC/Test Manager
- VAX DEC/CMS (Code Management System)
- VAX DEC/MMS (Module Management System)

These five tools aid in the implementation, testing and maintenance of system software and applications programs in the VMS environment. With VAXset tools, many of the tedious, time-consuming and error-prone chores involved in both large-scale and small-scale software development are automated.

Prepared on Digital's DECset Publishing System
Descriptions of individual components of VAXset packages are as follows:

- **LANGUAGE SENSITIVE EDITOR**
  A multi-language, multi-window, screen-oriented editor specifically designed for program development and maintenance. The editor is "language sensitive" in that it provides users with VAX language-specific information. Within a single editing session a programmer can write code, edit, compile, review and correct compilation errors.

- **VAX PERFORMANCE AND COVERAGE ANALYSER**
  This tool helps VMS users analyse the execution behaviour of their applications programs.

- **VAX DEC/TEST MANAGER**
  The DEC/TEST Manager is an automated regression testing system. It automatically executes user-defined tests on existing software products and compares the test output against the product’s benchmarks to determine if the software is performing as expected.

- **VAX/DEC CMS**
  The VAX/DEC CMS (Code Management System) is a library system that facilitates the development and maintenance of software systems. VAX DEC/CMS helps manage the files during development (and later during maintenance) by storing the files in a project library, tracking changes and monitoring access to the library.

- **VAX/DEC MMS**
  The VAX/DEC MMS (Module Management System) is designed to manage "system builds" for developers during day-to-day development, implementation and maintenance of a software system. The development of a large software system many of the dependent modules, with which the system is made, are typically in various states of completion. VAX DEC/MMS determines which modules need to be recompiled, and ensures the software system is recompiled and linked with all the latest changes. It can also interact with VAX DEC/CMS and extract files from CMS libraries when building a software system.

**Contact:** Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
STYLE

Operating System: VMS
Keywords: *Data base management *File management *Query facilities *Report writer

STYLE is an outstandingly productive and comprehensive application development product for data processing professionals that can be used with ease by end-users for analysis and reporting and, if desired, for their own information storage and manipulation.

STYLE uses a relational data-base actively controlled by data dictionary facilities. STYLE itself offers a powerful, easy to learn, high-level language which automates most normal data processing requirements, aided by over 102 system functions. State-of-the-art windowing and screen control is provided.

Fully integrated with STYLE is a full-screen enquiry language and a comprehensive report writer.

STYLE is used to develop time-critical operational systems through to decision support systems, as it incorporates comprehensive security to item level, full concurrent update control and automatic recovery on hardware or software failure.

STYLE is written in Fortran 77 (and C in UNIX environments). STYLE is re-entrant. STYLE is distributed by tape, cartridge, etc. depending on the level of machine.

Contact: Michael Kelly
(02) 922-1900
JBA INFORMATIONS SYSTEMS
Level 6/100 Walker Street
North Sydney, NSW, 2060

POWERHOUSE

Operating System: VMS
Keywords: *Data dictionary *Language processors *Query facilities *Report writer

Prepared on Digital's DECset Publishing System
POWERHOUSE is a general purpose development language available for all models of VAX and MICROVAX computers. It consists of 3 separate but tightly integrated modules controlled by a central Powerhouse Dictionary (PhD). POWERHOUSE includes:

- **QUIZ**
  An ad-hoc or production report writer suitable for both EDP and Non-EDP personnel

- **QUICK**
  A powerful screen builder/processor for data entry/enquiry/retrieval/update

- **QTP**
  A high volume file processor for general batch or utility work

POWERHOUSE is installed at over 4500 sites in 46 countries. Its multi-level structure makes it suitable for both EDP production system building, and for end-user computing.

(CDP are New Zealand agents for POWERHOUSE).

**Contact:** P. K. Houlding  
(0644) 726-327  
COMMERCIAL DATA PROCESSING LIMITED  
P.O. Box 10-347  
Wellington, New Zealand

**SRC NO:** 60:T03

**CUPID**

**Operating System:** ULTRIX, VMS  
**Keywords:**

CUPID is a software system designed for quick development and efficient running of applications with the emphasis on flexible information storage and retrieval. CUPID sets new standards in application development by innovative use of interactive computer driven English questions and answer sessions at a display terminal.

CUPID consists of four primary components that are integrated into a powerful program development tool.

*Prepared on Digital's DECset Publishing System*
- Data Dictionary
- Data Entry Retrieval
- Reporting and Maintenance
- Structured User Menus

Contact: D. J. Carlton
(03) 878-3933
PA COMPUTERS & TELECOMMUNICATIONS
208 Whitehorse Road
Blackburn, VIC, 3130

SRC NO: 60:T04

MANTIS (For the VAX)

Operating System: VMS
Keywords: *Programming tools

MANTIS is a commercially successful, powerful, interactive 4th Generation Language. It has proven to be the most successful 4GL with over 1700 installations worldwide. MANTIS features include:

- Interactive screen layout design using screen painting techniques
- Interactive file design
- Interactive program development
- Screen I/O using only one verb: CONVERSE
- File access using only 4 verbs: GET, INSERT, UPDATE, DELETE
- Access to RMS files on ULTRA data base files using same 4 verbs
- Integrated with ULTRA relational data management system
- Implemented on VAX and MICROVAX

The benefits of MANTIS include:

- Prototyping as a practical application development strategy
- Short learning curve (2 days)
- Reduced application maintenance
- Top down, step level refinement of applications

MANTIS is supported world wide by Cincom Systems.

Contact: Marketing Services
(008) 022-285
CINCOM SYSTEMS OF AUSTRALIA PTY LTD
486-494 Pacific Highway

Prepared on Digital's DECset Publishing System
ULTRA

Operating System: VMS
Keywords: *Data base management *Data dictionary *Information management *Programming tools

ULTRA is a high performance, commercial data management system with 5 major components.

- ULTRA DBMS which features:
  Superior commercial performance
  Task (process) level roll back recovery, roll forward recovery

- ULTRA Dictionary/Directory which combines all the data recording and reporting facilities of a dictionary with the control and run time activity of a directory. The Directory also gathers together the diverse tasks for which the data base administrator is responsible. ULTRA Directory features: *Fully interactive, menu driven system with full HELP facilities; *Multi level security

- ULTRA Logical User View (LUV) is a powerful facility that gives relational access to ULTRA data base and DEC RMS files. LUV contains all the data navigation and data element selection logic thus removing all of this from the application program with a consequent reduction in application maintenance.

- ULTRA Advanced Query is a true end user tool for ad-hoc retrieval and reporting from the production data files. ULTRA Advanced Query features: *Full selection capabilities and arithmetic functions; *Output to screen, file, or printer; *Access to multiple file types.

Mantis is the 5th component of ULTRA and is fully described in the Development Tools section of this software guide.

Contact: Marketing Services
(008) 022-285
CINCOM SYSTEMS OF AUSTRALIA PTY LTD
486-494 Pacific Highway
St Leonards, NSW, 2065
NATURAL

Operating System: VMS
Keywords: *Programming tools *Query facilities *Report writer
*Source code control

NATURAL is a fourth generation programming language offering both the DP professional and end user a non-procedural programming and development tool. NATURAL provides an order of magnitude improvement in development time for both on-line and batch systems. The price quoted includes the data base management system ADABAS.

Contact: Stuart A. James
(02) 498-8555
SPL (AUSTRALIA) PTY LIMITED
Level 7, 802-808 Pacific Highway
Gordon, NSW, 2072

SRC NO: 60:T07

USER II (Data Management for Applications Development System)

Operating System: VMS
Keywords: *Data base management *Data dictionary *Query facilities
*Report writer

USER II is a Data Management and applications Development Tool providing both programmers and end users the means to rapidly develop new systems or alter existing systems should the need arise. A Data Dictionary referenced by all the modules of USER II, including Enquiry, Report Writer, Data Manipulation, simplifies development.

Written in VAX Basic. Memory Requirement 1Mb System. Distribution, Tape or Cartridge.

Contact: C. Bannister
(02) 957-4430
CABLE ON-LINE COMPUTER SERVICES PTY LTD
11th Floor, 83 Mount Street
North Sydney, NSW, 2060

Prepared on Digital's DECset Publishing System
PSIEDIT

Operating System: VMS
Keywords: *Development tools

The PSI Editor is an application development tool which allows rapid development of standard file editing portion of an application system. The PSI Editor links with Digital's Forms Management System (FMS).

The procedure is to build a screen layout using FMS and this is then used as input to an entity and attribute generator. The entity and attribute records are read by PSI and full interactive file access is available.

The system supports field validation including cross field validation, updating of files from data entered, displaying of data or hears according to the type of data entered, etc. All I/O is performed through separately compiled I/O modules. Scrolled screen capability allows scrolling through the records for file or portion of a file.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

USER-11

Operating System: VMS, RSTS/E
Keywords: *Data base management *Report writer *Software utilities

USER-11 is a comprehensive software system which provides Digital computer users with easier applications development/maintenance and information access than ever before thought possible.

USER-11 is a high-performance database management system designed for the RSTS/E and VAX/VMS operating environments. It achieves efficiency through functional modules which are quickly combined and modified to suit all types of application purposes. Fully dictionary-driven, USER-11 systems can be modified as the applications change, making maintenance easier than ever.

Prepared on Digital’s DECset Publishing System
USER-11 incorporates a file access technique that leaves other methods standing still. Any disk record can be retrieved within two disk accesses! And the new version provides an option to give you RMS access where compatibility with the Digital layered products is important. USER-11 offers exceptional security above that provided by the Digital operating systems. Passwords may be encrypted; users may be locked selectively into applications menus and not allowed access to monitor level resources.

USER-11 is also a user-friendly system. All software modules suggest defaults where appropriate. Help is available when needed simply by typing "HELP". A single keystroke will back up to the previous response or move forward, optionally accepting a default response. As with all the other software products we market, we believe in USER-11, a fact demonstrated by our own use of USER-11 to produce our vertical-market application packages.

Contact: Rod McArter  
(02) 211-2322  
NETWORK COMPUTER SOFTWARE  
6 Cunningham Street  
Sydney, NSW, 2000

SRC NO: 60:T10

PASCAL-2

Operating System: ULTRIX-32, VMS, RSTS/E  
Keywords: *Compilers *Programming tools

PASCAL-2 from Oregan Software (formerly OMSI) is widely accepted as being the best Pascal development system available to DIGITAL users. And that reputation is now being extended into the UNIX field.

In the DIGITAL arena, PASCAL-2 is unique: it is the only Pascal system available which has the same language features and compatibility across the range of DIGITAL processors - the Professional range, the PDP-11's and the VAX's.

PASCAL-2 is not just a compiler; it is a development system. In addition to the five-pass optimising compiler which complies with the ISO standard at Level 1, it comprises a Debugger which gives the programmer complete interactive control of program execution in a high-level Pascal environment, a Profiler to help identify program bottlenecks, and a range

Prepared on Digital's DECset Publishing System
of utility programs. These utilities include STRING, a collection or procedures and functions for programming with dynamic character strings.

A significant feature of the compiler is the inclusion of a number of language extensions for programmer convenience, I/O flexibility and low-level operation. And to aid portability, these non-ISO-standard extensions may be optionally disabled at compile time.

Considering the outstanding efficiency of PASCAL-2 programs in terms of both core-utilisation and speed, and the large pool of tertiary-trained programmers with Pascal experience, users of third generation languages should seriously consider this product. And the myth that Pascal is not a commercial user's language is just that - Australia abounds with examples of the contrary.

Contact: Rod McArter
(02) 211-2322
NETWORK COMPUTER SOFTWARE PTY LIMITED
6 Cunningham Street
Sydney, NSW, 2000

SRC NO: 60:T11

MAPS/DB

Operating System: VMS
Keywords: *Database management *File transfer *Programming tools
*Software utilities

MAPS/DB is an interactive data management and retrieval software tool used where information retrieval and record keeping are required. Using MAPS/DB in applications can easily reduce your development time by at least 50%.

Contact: W. J. Talbot
(03) 616-1339
PRICE WATERHOUSE URWICK
447 Collins Street
Melbourne, VIC, 3000

SRC NO: 60:T12

Prepared on Digital's DECset Publishing System
BSO (Boston Systems Office)

Operating System: ULTRIX, VMS
Keywords: *Assemblers *Cross- compilers *Debugging
*Microprocessor development

BSO microprocessor development tools address every facet of microprocessor software development. These tools include universal microprocessor development systems, assemblers, symbolic debuggers, linkage editors, cross reference programs and emulator and PROM programmer communication programs. BSO also offers two high level languages specifically designed for microprocessor application development – BSO/Pascal and BSO/C. These tools support over thirty different microprocessor families.

BSO's microprocessor development systems can handle anywhere from one to more than fifty users.

Use of BSO software results in flexible and efficient microprocessor software development. Powerful programming features and high speed products drastically reduce development time and increase user productivity.

Contact: Phillip O'Connor
(03) 528-2711
MINI COMPUTER SYSTEMS PTY LTD
368 Hawthorn Road
South Caulfield, VIC, 3162

SRC NO: 60:T13

MONITOR

Operating System: VMS
Keywords: *Development tools

The PSI User Monitor system allows user specification of menus and security to control the operation of all application sub-system processes. It can assist in the presentation of sub-system procedures in a user friendly style and incorporates on-line help information which is linked to multiple page on-line documentation for each menu option. The monitor system also supports a command mode whereby each task can be activated directly by command for experienced users. It supports automatic user selected batch submission of tasks and comes with a

Prepared on Digital's DECset Publishing System
sample set of user utility task for simple operating system interfacing. Security can be controlled to user to each task and users can be restricted to remain exclusively within the menu system. Full task parameter control is implemented to simplify the user request for complex program options. Errors are trapped and returned to users menu. In summary the monitor system is a simple to implement and use interface for business applications and office sub-systems.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 60:T14

CADE

Operating System: VMS
Keywords: *Programming tools *Software utilities *Source code control

CADE (Computer Aided Development Environment) provides a standard directory structure and VMS utilities which remove the need for the majority of programmers and operators to know VMS commands or the directory structure. It allows programmers from other environments to become productive on VAX in a matter of hours.

CADE provides separate development, test and production environments with a security system to restrict access to specific source code and data. Source code management and housekeeping tasks are carried out automatically and programmer utilities are provided. Numerous source code management utilities are provided, eg program documenter.

COBOL (TDMS/CDD/RMS/Rdb optional) - Demonstration, literature, references available.

Contact: John Unite
(02) 236-6994
EDEN TECHNOLOGY PTY LIMITED
3rd Floor, 275 George Street
Sydney, NSW, 2000

Prepared on Digital's DECset Publishing System
SRC NO: 60:T15

EDEN PROGRAMMER TOOLKIT

Operating System: VMS
Keywords: *Data entry  *Programming tools  *Software utilities

The Eden Programmer Toolkit (EPT) is a library of program modules for the most commonly used business functions which substantially reduces the amount of original code required for interactive commercial applications. The toolkit comprises: report generator, data capture, file maintenance, audit trailing, date/time handling, job scheduler, on-line help, menus, cross referencing, program flowchart, etc.

EPT is installed in some of Australia’s leading companies and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

COBOL (TDMS/CDD/RMS/Rdb optional) – Demonstration, literature, references available.

Contact: John Unite
(02) 236-6994
EDEN TECHNOLOGY PTY LIMITED
3rd Floor, 275 George Street
Sydney, NSW, 2000

SRC NO: 60:T16

CASD

Operating System: VMS
Keywords: *Data dictionary  *Programming tools  *Software utilities

CASD (Computer Aided System Documentation) is a documentation database which holds all documentation regarding a system in a non-redundant structure. It has a simple data entry/inquiry process designed for clerical staff and end-users.

A powerful extract and reporting facility is provided to present documentation in the numerous ways required over the lifetime of a system, e.g. Functional Specs, Program Specs, Users Guides and Data Models. Cross referencing, e.g. Files/Programs, is provided.

Prepared on Digital's DECset Publishing System
CASD supplies CDD definitions and on-line HELP. It can be used with the Programmer Toolkit to automatically generate systems.

CASD is in use in some of Australia's largest VAX installations and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

COBOL (TDMS/CDD/RMS/Rdb optional) – Demonstration, literature, references available.

Contact: John Unite
(02) 236-6994
EDEN TECHNOLOGY PTY LIMITED
3rd Floor, 275 George Street
Sydney, NSW, 2000

SRC NO: 60:T17

CA-VIA-AD

Operating System: VMS
Keywords: *Data dictionary *Programming tools *Software utilities *Source code control

Computer Aided - VAX Information Architecture - Application Development (CA-VIA-AD) is a complete application development and maintenance system for use in Digital's VIA environment. It comprises a proven, automated design methodology with trailing workshops, computer aided system documentation, a library of commonly required program modules and subroutines and a computer aided development environment.

CA-VIA-AD replaces most of the mundane repetitive tasks and paperwork in system development with efficient computer aided processes. For details of the 5 components see other sections of this guide. CA-VIA-AD is probably the most advanced VAX development environment available in Australia and is in use in some of Australia's largest VAX installations.

Contact: John Unite
(02) 236-6994
EDEN TECHNOLOGY PTY LIMITED
3rd Floor, 275 George Street
Sydney, NSW, 2000

Prepared on Digital's DECset Publishing System
SRC NO: 60:T18

MENUS

Operating System: VMS
Keywords: *Menu handlers

MENUS (Menus and Access Control) provides simple menu maintenance, fast menu operation, operator convenience features and flexible security. Large menu hierarchies are quick to change and new users can be added in minutes. Convenience features include “Zip Code” to any menu in the system and on-line HELP. Numerous security and access control utilities are provided.

MENUS is in use in a number of major Australian companies and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

COBOL – Demonstration, literature, references available.

Contact: John Unite
(02) 236–6994
EDEN TECHNOLOGY PTY LIMITED
3rd Floor, 275 George Street
Sydney, NSW, 2000

SRC NO: 60:T19

QUERY

Operating System: VMS
Keywords: *Audit *Decision support *Query facilities *Report writer

QUERY (Simple end-user inquiry/report generator) is a simple end-user inquiry and report generator which can operate on all VAX/VMS files. It requires the use of only 4 keys and allows novice users with one hour’s orientation to generate their own inquiries and reports. It saves time spent by programmers coding ad hoc requests and users learning complex query languages.

QUERY is a simple front-end to Datatrieve. From the selections made, QUERY generates and runs a Datatrieve request. The request is saved and may be recalled or tailored.

Prepared on Digital's DECset Publishing System
92 DEVELOPMENT TOOLS

QUERY is in use in a number of major Australian companies and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

COBOL/FMS - Demonstration, literature, references available.

Contact: John Unite
(02) 236-6994
EDEN TECHNOLOGY PTY LIMITED
3rd Floor, 275 George Street
Sydney, NSW, 2000

SRC NO: 60:T20

GLEE

Operating System: VMS
Keywords: *Database management *File management *Report writer

GLEE is a generic package for developing data-base, file-management or record keeping applications. Its got extensive report writing, enquiry, mail merge, calculating, data processing and relational data base facilities.

GLEE is so easy to learn that end-users can build their own small to medium sized systems. GLEE is so powerful that data-processing staff can build large multiple-file applications of any logical complexity. End-users can even build their own larger systems with minimal help in the design phase.

GLEE can be used for: accounts payable and receivable; stock control; payroll; personnel records; customer order processing; clients billing; project management; costing and estimating; bibliographic and library systems; students records; contact lists; mailing lists and personalised mailing; processing experimental; legal, insurance, geological, farming, statistical and engineering data; time management and calendar of events; and hundreds more.

GLEE is available for any VAX/VMS system. It is distributed on tape in VAX/VMS backup format.

Contact: Pat Gray
(09) 389-1500
HI-COM SOFTWARE

Prepared on Digital's DECset Publishing System
FOCUS

Operating System: VMS
Keywords: *Database management *Query facilities *Report writer *Spreadsheets

FOCUS is a Fourth Generation language and Database Management system. It offers to end users the ability to access information stored on a VAX and offers to DP staff orders of magnitude of productivity gains over standard 3GL tools. Incorporating graphics, statistics, spreadsheet and interfaces to most file handling mechanisms on the VAX (RDB, RMS, etc.).

FOCUS allows dynamic joins between files independent of file type and where the files are stored on the network. FOCUS is written in Fortran and runs on machines with 2 meg or more of main memory.

Contact: Rob Chambers
(03) 520-5333
COMPUTER POWER PTY LTD
613 St Kilda Road
Melbourne, VIC, 3004

TBASIC

Operating System: VMS, UNIX
Keywords: *Development tools

TBASIC's Top 6:

TRANSERA BASIC — Developed from years of experience with high performance graphics in CAD/CAE, Instrument control, Data acquisition, and Signal processing — TBASIC is the tool for Technical and Professional users.
TEK COMPATIBLE BASIC – A superset of the popular 4050A basic from Tektronix, TBASIC is modernised and expanded with instructions from the proposed ANSI standard. A translator program is available to make program conversions easy.

TECHNICAL BASIC – GPIB statements for Instrument control and double precision floating point calculations provide support for Technical applications. A full compliment of math, Trig, Transcendental, and Matrix operations are included. Axis, Window and Picture generation are by single line Macro.

EXTENDABLE – An OEM version allows users to extend the language with their own "C" language routines. A ROM version of TBASIC is available in the Transera MDAS high speed recorder as an intelligent front end to the DEC range Via RS232/GPIB.

TRANSPORTABLE BASIC – Developed in "C" TBASIC can run on almost any operating system including UNIX, CP/M, MSDOS, and VMS. Your software will run the same from machine to machine, providing you with a large market base.

TOKENIZED BASIC – TBASIC pre-compiles each line entered to an intermediate token structure that greatly improves execution speed and enhances interactivity by providing instant feedback on syntax errors.

TOTAL BASIC – The best of all Basics, with over 250 key words and, a complete set of device drivers that give you direct "Device Independent" access to a variety of Third Party Graphic cards, Terminals, Plotters, and GPIB control controllers.

Contact: Roy Stepan  
(03) 258-844  
ROY STEPAN  
47A Karnak Road (P.O. Box 207)  
Ashburton, VIC, 3147 (Glen Iris, VIC, 3146)

SRC NO: 60:T23

GDS

Operating System: VMS  
Keywords: *Architecture *Mapping *Construction

Prepared on Digital's DECset Publishing System
GDS – General Drafting System – is widely acclaimed 2D drafting package offering great accuracy, fast repetition of standard details, rapid amendment and high speed output to any scale. It offers numerous practical features to increase its flexibility and effectiveness including Macro BASIC allowing users to write their own programs within GDS, Attribute Data for compiling parts lists and schedules, and Multi plot for creating views from existing drawings.

3D viewing facilities are available within GDS. Some of the supporting modules cover applications of Mapping with associated database manipulation, Architecture, Civil Engineering, and Mechanical Engineering.

**Contact:** R. Fill / G. Furkert
(09) 543-046
CAD/CAM Systems Limited
Box 9065
Newmarket, Auckland, New Zealand
Distribution/Logistics
WCS

Operating System: VMS
Keywords: *Accounts payable *Accounts receivable *General ledger *Payroll *Report writer *Sales analysis

WCS is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. WCS is the collective name for the set of software products distributed by Digital. WCS Products are a range of integrated commercial packages designed to run as stand alone modules or as part of an integrated suite of software. They are supplied with original Cobol source or in object only form and may be modified if necessary by the end user or by Wilson.

Features are:

- Order Entry
- Stock Control
- Stock Control Purchasing
- Stock Control Invoice Matching
- Menu System

NOTE: Also see separate entries under Accounting and Manufacturing for more details.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

MATE

Operating System: VMS
Keywords: *Accounts payable *Accounts receivable *Inventory *Production control

MATE is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. MATE is a modular, integrated Management Information system comprised of over 200

Prepared on Digital's DECset Publishing System
programs and functions. It is designed locally for Australian business and manufacturing conditions. The system is menu driven and lends a high degree of flexibility to system implementation. Subsystems are chosen to suit the particular application and the systems are capable of stand-alone operation. The subsystems included are: Stock and Warehouse Control, Accounts Payable, Accounts Receivable, Sales Invoice Control, Sales Order Control, Purchase Invoice Control, Purchase Order Control, General Ledger, Capital Assets, Payroll, Regenerative MRP, Work Orders, Routing, Bill of Materials, Planning, and Database Report Generation. The package is written in FORTRAN 77, COBOL and MACRO. It is available on 1600 BPI Magnetic Tape for VAX and TK50 Streaming Tape for MICROVAX. The product is also available on the MICRO PDP 11/23 and 11/73.

Features are:

- Stock and Warehouse Control
- Sales Invoice Control
- Purchase Invoice Control
- Purchase Order Control
- Regenerative MRP
- Work Orders
- Routing
- Bill of Materials
- Planning
- Database Report Generation

NOTE: Also see separate entries under Accounting and Manufacturing for more details.

Contact:  Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 70:T01

COMMAND

Operating System: VMS
Keywords: *Purchasing

Prepared on Digital's DECset Publishing System
COMMAND is a fully integrated distribution, accounting and manufacturing package. Packages are modules and most can be installed in a standalone mode.

The system operates on the full range of VAX hardware, with a minimum of 1-4 mb memory. It uses a data management system USER-11, a development tool, that allows for simple modification as well as ad-hoc enquiries and reports.

Features:

- Purchasing
- Provides complete control over orders, goods receipt invoicing
- Automatic Back Ordering
- Blanket ordering and allocation to customer orders
- Variance Reporting
- Integration to stock, creditors, general ledger if required

Contact: Mike O’Hanlon
31-489
DATACOM SYSTEMS LTD
P.O. Box 6041
Auckland, New Zealand
MEDSYSTEM (Mine Evaluation & Design System)

Operating System: VMS
Keywords: *Engineering *Graphics *Mapping *Scientific

Mining Professionals use MEDSYSTEM for:
- analysis of exploration data
- feasibility studies
- development of mine plans
- production planning

MEDSYSTEM evaluates bedded deposits, massive deposits, stratabound deposits and irregular deposits of metals, fossil fuels, and industrial minerals, for both underground and surface operations.

MEDSYSTEM combines techniques from geological and mining engineering with mathematics, operations research, and financial analysis to provide comprehensive and flexible mineral evaluations.

MEDSYSTEM Release 10 represents over twenty continuous years of experience and hundreds of evaluation projects.

It is written in Fortran 77, and is totally machine independent. Distribution is normally on 9 track tape, but is also available on TK50 cartridge tape for the MicroVax II.

Contact: Mr C. B. Bass
(09) 364-6211
METECH
7 Kintail Road (PO Box 305)
Applecross, WA, 6153

TALPAC (Truck and Loader Productivity Assessment)

Operating System: ULTRIX-32 (4.2 BSD), VMS
Keywords: *Natural resources *Scheduling *Simulation

A truck and loader production system used to simulate truck and loader operations. The system consists of a user maintained database of truck

Prepared on Digital’s DECset Publishing System
weights and rimpull characteristics, a deterministic system for simulating the travel of a truck over a given haul route for calculation of travel times, and a stochastic simulation system for examining the interaction between a loader and the associated truck fleet. Allows optimisation of truck sizes, numbers, haul road layouts, loader sizing, loading philosophies; and sensitivities on any variables affecting truck and loader operations.

Written in Fortran 77. Minimum Memory Requirements 2Mb.

Contact: Ian Runge
(07) 371-7022
MINING SOFTWARE ASSOCIATES
2nd Floor, Datapoint House, 49 Sherwood Road
Toowong, QLD, 4066

SRC NO: 80:T03

DRGSIM (Dragline Simulation)

Operating System: ULTRIX-32 (4.2 BSD), VMS
Keywords: *Natural resources *Simulation

A program which performs simulation of dragline operations. Designed as a comprehensive tool for maximising productivity from walking draglines in single or multi-seam applications. It consists of a database of dragline characteristics, allowing the production of range diagrams for direct cast, extended bench and spoil pass operations. Extensive reports and 2-D and 3-D graphics are produced. Allows optimisation of dragline sizes, geometry, working methods, pit layouts, operating constraints and sensitivities on any variables affecting dragline operation.

Written in Fortran 77, Uses GKS Graphics. Minimum Memory Requirements 3Mb, Floating Point Accelerator recommended

Contact: Ian Runge
(07) 371-7022
MINING SOFTWARE ASSOCIATES
2nd Floor, Datapoint House, 49 Sherwood Road
Toowong, QLD, 4066

SRC NO: 80:T04

Prepared on Digital's DECset Publishing System
XPAC (Excavation Planning System)

Operating System: ULTRIX-32 (4.2 BSD), VMS
Keywords: *Natural resources *Scheduling *Simulation

An excavation planning system used for mine planning and scheduling. Accepts a geological model as input and provides a framework for the mining engineer to undertake mine planning and scheduling tasks in an automatic or step-by-step mode. Any mining scheme can be evaluated because the program allows the user to define the input parameters, calculation methods and the output parameters, calculation methods and the output desired. Allows incorporation of equipment characteristics for any mining equipment. Allows detailed mine costing to be undertaken. Allows setting up of the system as a comprehensive mining database for pit reconciliations and production reporting. Any constraints on mine scheduling peculiar to individual mines can be incorporated using the powerful command processing language included in the system.

Written in Fortran 77. Minimum Memory Requirements 2Mb.

Contact: Ian Runge
(07) 371-7022
MINING SOFTWARE ASSOCIATES
2nd Floor, Datapoint House, 49 Sherwood Road
Toowong, QLD, 4066

SRC NO: 80:T05

MOSS

Operating System: VMS
Keywords: *CAD/CAM *Civil engineering

MOSS is a system for surface modelling in Civil and Mining Engineering, Land Survey and Cartography, where information is required on existing land forms and for the development of new designs.

The system provides for the creation of three dimensional models from air, ground and hydrographic surveys by photogrammetry and direct data capture form the most modern survey total stations.

Prepared on Digital's DECset Publishing System
Comprehensive design facilities allow for the complete detailed design of major civil work including highways with complex interchanges, railways, airport runways and taxiways, dams, river diversions and any other situation where the interaction between two surfaces is involved.

MOSS is widely used in mining for modelling or workings, continuous surveys for production payment and landscaping of spent workings.

MOSS uses advanced interactive graphics techniques to facilitate higher quality design and increased productivity.

Fortran. 1 Mbyte memory. Magnetic tape or Floppy disc.

Contact: Keith Phillips
(03) 241-3352
TRITEK
320 Toorak Road
South Yarra, VIC, 3141
Overview

In a few short years, the name VAX has become the recognised leader in 32-bit computing. This is especially true in the realm of engineering applications. The VAX Architecture is the architecture of choice by developers not only for its productivity in the Software development phase, but also for its ease of use in performing complex graphical operations associated with engineering applications.

Today's engineers now have available to them the most comprehensive selection of applications in the industry which are VAX based, and many of which are considered "industry standards".

The portfolio of engineering applications in this section contain many applications from various parts of the world. They are locally sold and supported by the Companies listed who have established their credibility and expertise in the South Pacific Region.
GEODRAW

Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum
      *Structural engineering

GEODRAW is a 2-D Drafting and Dimensioning module. You can use
GEODRAW for the following mechanical engineering tasks:

- Adding notes and dimensions to 2-D projections ("snapshots") of
  GEOMOD models
- Creating sketches and engineering drawings independent of GEOMOD
- Creating profiles for use in GEOMOD Object Modeling to create solid
  objects

The key features of GEODRAW are:

- Interface to GEOMOD
- Interface to other systems via IGES transfer
- Dynamic Dimensioning
- Intelligent Crosshatching
- Geometry Creation
- Geometry Modification
- Symbols
- Flexible Drawing Layout
- User Interface

Contact:  David McAdam
           (02) 888-8111
           CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL
           ELECTRIC (SALES) PTY LTD
           P.O. Box 174
           Willoughby, NSW, 2068

I-DEAS Experimental Methods Family (MODAL-
PLUS/FATIGUE)

Operating System: VMS
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum
         *Structural engineering

Prepared on Digital's DECset Publishing System
I-DEAS Experimental Methods family consists of two programs that allow you to use test data to analyse a structure: *MODAL-PLUS; *FATIGUE.

MODAL-PLUS: uses frequency response functions to compute the dynamic characteristics of a structure. Using MODAL-PLUS, you can obtain a valid and complete mathematical model of a structure.

FATIGUE: enables you to estimate crack initiation in mechanical structures, using a strain-life or stress-life criterion. FATIGUE computes life estimates of a structure by applying empirically-based material properties to materials data obtained from testing. To analyse the cumulative fatigue damage, FATIGUE uses stress and strain values at critical locations of the component. To obtain this data, FATIGUE acquires and writes a time history of strain test results.

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T03

I-DEAS System Analysis Family (SYSTAN)

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum *Structural engineering

I-DEAS System Analysis Family (SYSTAN) is an interactive system modelling and analysis programme used to design complex mechanical systems. You can use computer graphics and sophisticated database management to rapidly assemble and verify a system model. The System Analysis family allows you to evaluate the dynamic performance in terms of modal, harmonic, or transient response of an interconnected linear system. System Analysis includes the following modules:

- Component Definition
- System Assembly
- Excitation Definition
- Response
- Component Loads

Prepared on Digital's DECset Publishing System
- Universal File Manipulation
- Project Documentation
- Orthogonality

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL
ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T04

BRAVO! (CAD/CAM/CAE Systems)

Operating System: VMS
Keywords: *CAD/CAM *Graphics *Manufacturing *Mechanical engineering

BRAVO! systems provide advanced CAD/CAM capabilities for engineering. With a database Manager at its core, BRAVO! integrates design, analysis, drafting and manufacturing application in a single CAD/CAM system. This integrated solution is highly productive because part geometry and design information is created only once and then shared by all related applications. This results in greater accuracy and consistency throughout the design-to-manufacturing cycle. The software, based on standard DEC/VMS provides: *Applicon Editor - menu-driven, high-precision interactive graphics and drafting system. *Solids Modeling - to interactively create and edit solid models. *GRAFEM - provides tools for rapid construction of 3-D finite element models. *IFAD - provides integrated analysis of finite element models created with GRAFEM. *Surface Modeling - permits definition and manipulation of surface geometry. *Mechanisms - permits analysis of complex mechanism models. *NC package - permits users to generate NC toolpaths. *Facilities design - provides tools and techniques and layout of manufacturing plants. *VLSI package - is a full-custom, hierarchical-design system which employs artificial intelligence and knowledge-based design technology for VLSI circuit design. *PCB - provides concept-to-package capabilities for the design and analysis of printed circuit boards. It includes placement, routing and checking for multilayer boards.

Contact: Sales Manager
(02) 908-4888
SCHLUMBERGER SYSTEMS PTY LTD

Prepared on Digital's DECset Publishing System
55 Grosvenor Street (PO Box 595)
Neutral Bay, NSW, 2089

SRC NO: 100:T05

LUSAS (Finite Element Stress Analysis System)

Operating System: VMS
Keywords: *Aeronautics/aerospace *Civil engineering *Mechanical engineering *Structural engineering

LUSAS is a general purpose Engineering Analysis System for Linear and Non-Linear Static Stress Analysis, step by step Dynamic Analysis and steady and Transient Field (Thermal Analysis. LUSAS has a comprehensive library of elements and a wide range of both Linear and Non-Linear material types. The system uses fully free-format data input, with powerful data general facilities and graphical pre- and post-processing.

LUSAS is written in Fortran-77, and uses a Frontal Analysis Technique for efficient solution.

Contact: Mr Clive Mullett
(03) 249-1299
TECHNICAL SYSTEMS AUSTRALIA PTY LTD
P.O. Box 8
South Yarra, VIC, 3141

SRC NO: 100:T06

PALETTE

Operating System: VMS
Keywords: *Architecture *CAD/CAM *Data base management
*Structural engineering

PALETTE is a powerful general purpose computer - aided Drafting, Design and Graphical Editing System for use in a wide variety of application fields including:

- Electrical Engineering
- Electronics
- Mechanical Engineering

Prepared on Digital’s DECset Publishing System
- Production Engineering
- Civil Engineering
- Architecture
- Ship Building
- Surveying

PALETTE is composed of 6 major modules, namely 2D, ASCII File Interface, 3-D, Independent Program Interface, and Spatial Data Base. PALETTE is available on VAX (VMS operating system) PDP-11 (RSX operating system), MICRO/PDP-11 (RSX-11M and MICRO/RSX operating system), and the Professional 300 Series (P/OS).

Contact: John Holliday
(07) 832-4955
PALETTE SYSTEMS
P.O. Box 323
Brisbane, QLD, 4000

SRC NO: 100:T07

I-DEAS Finite Element Modeling Family (SUPERB)

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum
*Structural engineering

I-DEAS Finite Element Modeling family (SUPERTAB/SUPERB/FRAME) offers a complete set of finite element pre-processing, analysis, and post-processing modules.

SUPERB allows you to perform finite element analysis to obtain structural analysis data. The results are available in Universal file format for further processing by other I-DEAS modules (SUPERTAB, SYSTAN).

SUPERB determines the static displacements, forces, stress and strains of complex structures in response to concentrated or distributed external forces, thermal expansion, enforced displacements, accelerations and centrifugal loads. SUPERB also determines the natural frequencies and mode shapes of complex structures, and calculates the modal coefficients for shock spectrum input.
SUPERB element formulation includes isotropic, orthotropic, and temperature dependent material properties. Steady-state head conduction analysis includes the effects of internal heat generation and convective heat flux at element surfaces.

Please see description or SUPERTAB and FRAME on other pages.

Contact: David McAdam  
(02) 888-8111  
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD  
P.O. Box 174  
Willoughby, NSW, 2068

SRC NO: 100:T08

I-DEAS Finite Element Modeling Family (SUPERTAB)

Operating System: VMS  
Keywords: *CAD/CAM *Mechanical engineering *Petroleum  
*Structural engineering

I-DEAS Finite Element Modeling family (SUPERTAB/SUPERB/FRAME) offers a complete set of finite element pre-processing, analysis, and post-processing modules.

SUPERTAB consists of the following seven modules.

The Model Creation: module is a finite element modelling pre-processor. It allows you to rapidly create, edit and display 2D and 3D finite element models.

Enhanced Mesh Generation: allows you to use predefined geometry to generate a 2D or 3D finite element model. It works with geometry created in Model Creation (Geometry Definition task) or GEOMOD (Object Modeling module).

CROSS SECTION ANALYSIS  
File Translator:  
The Model Solution: module allows you to perform linear elastic finite element analysis, integrated into SUPERTAB. Once you assemble a finite element model, Model Solution analyses the model for static response or normal modes and stores the analysis results as data sets in the SUPERTAB database.

Prepared on Digital's DECset Publishing System
DATA LOADER
Output Display:
Please see description for SUPERB and FRAME on other pages.

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL
ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T09

I-DEAS System Design Family (GEOMOD)

Operating System: VMS
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum
  *Structural engineering

I-DEAS System Design Family (GEOMOD) offers a modular family of
software tools to develop the geometric concepts and initial designs for a
mechanical system. Each module is an interactive tool that you can use to
design a mechanical system. You can use the System Design family to build
and analyse a mechanical system model that consists of 3D geometric
solid objects.

Object Modeling: module allows you to create geometry as solid objects
using 3D geometric shapes, 2D outlines or sets of cross-sections. You
can then manipulate the geometry by combining, cutting and deforming the
objects.

System Assembly: using the Object Modeling module, you can design
each component of a system as a solid object. Once the object exists in
your GEOMOD database, you can use the System Assembly module to
design the system.

Mechanism Design: module analyses the kinematic behaviour of a
mechanism and creates a series of displays to show how the mechanism
moves.

Excitation Definition: module allows you to define motions and forces
for a mechanism. An excitation can be a primary motion, an auxiliary
function or a gravity load.

Prepared on Digital's DECset Publishing System
Response: module plots the response function generated by the kinematic analysis.

Contact: David McAdam  
(02) 888-8111  
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD  
P.O. Box 174  
Willoughby, NSW, 2068

SRC NO: 100:T10

I-DEAS (Integrated Design Engineering Analysis Software)

Operating System: VMS  
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum  
            *Structural engineering

I-DEAS (Integrated Design Engineering Analysis Software) offers a conceptual design software package for mechanical design engineers. This package integrates solids modelling, system database management, finite element modelling and analysis, system analysis, model testing and analysis, and fatigue analysis. These capabilities are packaged as families of software. I-DEAS consists of the following families:

- The System Design Family  
- The System Analysis Family  
- The Finite Element Modeling Family  
- The Experimental Methods Family

I-DEAS software integrates these families into one package with consistent user interfaces and a shared common database. Using I-DEAS, you can integrate key functions of design, analysis and testing into each phase of product development. Designs can be cycled through the computer until a solution is found and then transferred to CAD/CAM systems for detail design, drafting and manufacturing. Please see description for individual I-DEAS family products on other pages.

Contact: David McAdam  
(02) 888-8111  
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD  
P.O. Box 174

Prepared on Digital's DECset Publishing System
PLASTICS DESIGN PACKAGE

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum *Structural engineering

Calma's Plastics package is intended to optimise the design and manufacture of plastic parts and molds. It features three major components:

- PolyMold™
- PolyCool™
- Moldflow™

The PolyMold module enables the automatic creation and assembly of a mold die set from catalogues of parts contained in the computer. PolyCool is a General Electric package that optimises the cooling of plastic injection molded parts. Moldflow is the Australian product designed to simulate the flow of polymers into a die cavity. The processes can result in numerically controlled tool paths if Calma's Numerical Control package is utilized.

Pre-requisites: Calma's DDM Software; Calma's Design Station

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

NESTCUT

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum *Structural engineering

Prepared on Digital's DECset Publishing System
Calma's NestCut is an advanced computer-aided design and manufacturing (CAD/CAM) package for laying out and nesting flat template parts, and preparing input for numerically controlled shape cutting. This powerful productivity package will help you:

- Increase material utilisation by greatly reducing scrap
- Dramatically speed up the part nesting process
- Increase material throughput
- Reduce equipment set-up time
- Increase manufacturing speed

Nesting of parts may be accomplished inter-actively by the operator of Calma's AutoNest™ nesting programme may be utilised. The output of the nesting process can be either drawings or complete numerical control tapes for the cutter.

Pre-requisites: Calma’s DDM Software; Calma’s Design Station

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T13

NUMERICAL CONTROL PACKAGE

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum *Structural engineering

Calma’s Numerical Control package provides the means for creating multi-axis numerically controlled tool paths from three-dimensional computer models. Point-to-point programming through to 5-axis swarf cut capability is available in this package. The user is able to customise the tool path creation procedures via Calma’s Design Analysis Language (DAL). Post-processors compatible with this package are also available upon request. The package features profiling and pocketing capability, semi-automatic re-generation milling, sculptured surface milling, etc.

Pre-requisites: Calma’s DDM Software; Calma’s Design Station

Prepared on Digital’s DECset Publishing System
DDM (Design, Drafting & Manufacturing)

Operating System: VMS
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum  
*Structural engineering

Calma's Design, Drafting, and Manufacturing (DDM) interactive graphics system is a turnkey, three-dimensional, computer-aided design system for constructing and analysing mechanical designs. This computer-aided system is designed to allow the user maximum interactive flexibility. It liberates the designer and draftsman from the restraints of the drafting table and provides them with a sophisticated tool with which they can perform such tasks as parts and assemblies layout and generation of numerical control tool paths. The high speed of the system permits any number of different solutions to the design problem to be tried during the design cycle. This repeated testing of concepts results in better design and fewer engineering changes as production begins. The design can be rendered as an engineering drawing at any time, or the procedure can be interrupted, the design stored, and work resumed at the user's choice.

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T15

CALMA-DRAFT™ Facilities Layout Package

Operating System: VMS

Prepared on Digital's DECset Publishing System
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum  *Structural engineering

Calma-Draft Facilities Layout (CDF), for use by facilities planners and building managers, quickly helps in planning, remodelling, and management of commercial/industrial facilities. Built on the full graphics and data base capabilities of DIMENSION III, CDF features dynamic on-screen menus that increase the productivity of building managers and facilities planners with no previous computer experience. CDF offers a broad range of drawing capabilities for walls, doors, windows and stairs, plus a comprehensive symbol library with system- and user-defined specifications. CDF automates information flow and eliminates duplication errors for a broad range of reports: net and gross areas, facility charge-back, utilisation, inventory, etc. Report formats and layouts can be entirely defined by the user to provide essential information by component type (doors, furniture, etc.) or facility area. CDF’s efficiency allows increase design refinement, resulting in higher quality, performance, and value. CDF also supports fast and accurate creation of construction drawings which shorten the design to build cycle.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station

Contact: David McAdam  
(02) 888-8111  
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD  
P.O. Box 174  
Willoughby, NSW, 2068

SRC NO: 100:T16

CALMA-DRAFT™ Architecture Package

Operating System: VMS  
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum  *Structural engineering

Calma-Draft Architecture (CDA), for use by architects and other building design professionals, helps to speed the creation of the design and drafting of plans, sections, elevations, and details. CDA’s extensive capabilities for architectural design make use of dynamic on-screen menus to permit users with no computer experience to become productive quickly. CDA offers a broad range of drawing capabilities for

Prepared on Digital's DECset Publishing System
walls, doors, windows and stairs, plus a comprehensive symbol library with system and user-defined specifications. CDA automates information flow and eliminates duplication errors in unique user-specified or standardised reports, for example, material takeoff schedules, and cost estimates. CDA's efficiency allows increased design refinement, resulting in higher quality, performance, and value. CDF also supports fast and accurate creation of construction drawings which shorten the design to build cycle.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T17

SUBTERRANEAN MODELING PACKAGE

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum
*Structural engineering

Calma's 3D Subterranean Modeling (STM) provides high-performance tools with which you can quickly develop an accurate family of true 3-D subsurface geological models, saving valuable time. With STM, a wide variety of map, core, and geophysical log data is entered either by keyboard or digitiser (point/stream mode), to save time and simplify operator input. STM defines multi-surface stratum (volume, area, etc.) digital terrain models, adjusts core log depths, creates fence diagrams and isopachs. It also displays up to six user-selected views simultaneously (plan, isometric, sections, well logs, and others) to optimise development. STM can automatically generate 2-D core logs, geophysical logs, and drill-hole reports. (IDs, elevations, detail stratum, single-hole data, etc.), and update all associated documentation, such as drawings, lists and reports, to eliminate all duplication errors.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station; Calma's 3-D Mapping Package

Contact: David McAdam

Prepared on Digital's DECset Publishing System
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL
ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T18

CIVIL SITE PREPARATION PACKAGE

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum
 *Structural engineering

Calma's 3-D Civil Site Preparation (CSP) lets you quickly enter, display, modify, examine, select, and draw the optimum 3-D project site model. CSP's flexible data entry of field notes, and full COGO™ (Coordinate GeOmetry) capabilities simplify operator input. Through digital terrain models (DTMs), CSP supports contouring, interactive cut-and-fill volumetric calculations, multiple surface display and profiling. Up to six simultaneous views may be displayed to help optimise site selection. CSP is unique in the capability to give you easy, same point exit/re-entry in the design programme. For example, while you may access "help files" and return to the same programme point to save time and cost, CSP site model revisions simultaneously update all associated documents such as drawings, lists and reports, to eliminate data duplication errors.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station; Calma's 3-D Mapping Package

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL
ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T19

DIMENSION III Mapping Package

Operating System: VMS

Prepared on Digital's DECset Publishing System
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum  
*Structural engineering

Calma's 3-D DIMENSION III Mapping (3DM) quickly and accurately copies maps, merges maps, creates new maps or 3-D terrain models, and stores user-selected associated data. 3DM inputs existing cartographic data of all forms through a keyboard or a digitising table for increased mapping productivity. 3DM's digitising system enters 2-D (XY) or 3-D (XYZ) data in point or continuous (stream) mode, as well as supporting random source document placement (location and orientation), full-range axis scaling, and transformation programs. You have maximum mapping flexibility and ease. 3DM also has Calma COGOTM (Coordinate GeOmetry) based survey sub-routines for easy creation of maps and digital terrain models. 3DM map revisions simultaneously update all associated documents such as drawings, lists, and reports to eliminate duplication errors. 3DM models are displayed in up to six simultaneous views such as plan, isometric and elevations, to help optimise the system.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station

Contact: David McAdam  
(02) 888-8111  
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD  
P.O. Box 174  
Willoughby, NSW, 2068

SRC NO: 100:T20

HVAC Layout & Design Package

Operating System: VMS  
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum  
*Structural engineering

The Calma 3-D HVAC Layout & Design (HVAC) is a true three-dimensional, highly interactive, modular, user-friendly system. HVAC designs and routes all industry standard shapes and sizes of ducts and equipment through either specification definition or component catalogue. The HVAC Component Library contains all types of ducts, transitions, equipments, fittings, flanges, and hardware. HVAC software provides maximum flexibility to the user for tentative routing (studies), preliminary routing (sizing & interference checking), and final routing (model creation) of ducts, resulting in minimum design error and maximum

Prepared on Digital's DECset Publishing System
productivity. The HVAC software and associated database easily support the unique requirements of designers, engineers, and fabricators for custom material control, reports, special fabrications and materials. In addition, HVAC provides up to four simultaneous display views of isometric, plan, or elevation type for design optimisation.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T21

ELECTRICAL SCHEMATIC PACKAGE

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum *Structural engineering

Calma's 2-D Electrical Schematics (ES) reduces costs and increases projected value. ES's large library of electrical component symbols and/or the user's easily added symbols enable schematic diagrams to be quickly developed. Since ES includes specification data, you can generate "from-to" lists and other documentation. All associated data, such as other drawings, lists and reports, are simultaneously updated by ES during revision of the electrical schematic. The electrical engineer's productivity, design quality, and performance are enhanced by ES's efficiency.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

Prepared on Digital's DECset Publishing System
SRC NO: 100:T22

INTERFERENCE CHECKER

Operating System: VMS
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum  
*Structural engineering

Calma's Interference Checking programme is designed to detect conflicts 
and interferences between three-dimensional physical components 
designed using Calma's DDM or DIMENSION III software (see other pages 
for details). Models can be merged into a complete plant design and 
interference checking can be run on the overall model. Hard and soft 
envelopes can be specified for any three-dimensional solid or surfaced 
item, for example, pipes, equipment, steel plots, columns, pumps valves, 
etc. Display of interferences can be inter-active or via a line printer. The 
interference checking may be run in three modes: dynamic whereby 
instantaneous checking of conflicts or interferences occurs, inter-active 
where interferences are immediately checked upon demand and batch 
when interference checking can be scheduled for over-night processing.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station

Contact:  David McAdam
  (02) 888-8111
  CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL 
  ELECTRIC (SALES) PTY LTD 
P.O. Box 174 
Willoughby, NSW, 2068

SRC NO: 100:T23

STEEL DETAILING PACKAGE

Operating System: VMS
Keywords: *CAD/CAM  *Mechanical engineering  *Petroleum  
*Structural engineering

Calma's 3-D Steel Detailing (SD) reduces design cost by automatic 
component placement and dimensioning of the details of steel beam 
connectors, such as, hole locations, and the position of cops, notches. 
SD quickly supplies fabrication details to structural frame models created 
with Steel Layout & Design software, saving time and eliminating many 
tedium-related errors. SD's international and Australian-based symbol

Prepared on Digital's DECset Publishing System
library includes specification data: 3-D geometry, weight, surface area, material, etc. SD also allows easy user symbol addition. Models can be displayed with SD in up to six simultaneous views, such as plan, isometric, and elevation views, to help optimise the design. SD provides automatic connector placement, editing, verification, labelling, and material take-off. The corresponding information flow to drawings, lists, reports, and studies significantly reduces input and data duplication errors in subsequent design phases.

Pre-requisites: Calma’s DIMENSION III Software; Calma’s Design Station

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL
ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T24

STEEL LAYOUT & DESIGN PACKAGE

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum *Structural engineering

Calma’s 3-D Steel Layout & Design (SL) provides true 3-D steel member display, automatic frame generation, and automatically compiles interface files for analysis (GTSTRUDL, McAUTO STRUDL, NASTRAN, etc.) to reduce design and layout time and save cost. SL’s large symbol library, based on international and Australian standards, includes specification data (3-D geometry, material, physical properties). Full-scale SL computer models of steel layouts, quickly created with the user’s library of standard components or custom components, save design time by automatically labelling and dimensioning. SL’s software and project integrated data base completely automates material take-offs and information flow to project drawings, lists, reports and studies, thus eliminating data duplication errors in subsequent design phases. SL’s efficiency allows increased design refinement, resulting in higher quality, performance, and value. Also, to help optimise the design, SL models can be displayed in up to six user-designated views simultaneously.

Pre-requisites: Calma’s DIMENSION III Software; Calma’s Design Station

Prepared on Digital’s DECset Publishing System
Contact: David McAdam  
(02) 888-8111  
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD  
P.O. Box 174  
Willoughby, NSW, 2068  

SRC NO: 100:T25

PIPING LAYOUT & DESIGN PACKAGE

Operating System: VMS  
Keywords: *CAD/CAM  *Mechanical engineering  
*Petroleum  *Structural engineering

Calma's Piping Layout & Design Package provides powerful three-dimensional model building capabilities, with automatic generation of construction drawings and comprehensive reports. The package comes with a large library of industry-standard pipe, valve and fitting components. Each equipment and piping component has a large amount of useful non-graphic information associated with it. This associated information can include design and construction specifications, part number, manufacturer, price and any other data you may wish to add. When you are building your 3-D model, each piece of equipment, pipe, fitting or valve will automatically conform to the specifications you have set for that project. Because the system uses a single shared data base, any change you make is automatically reflected in all related information. This ensures the integrity of both the graphic and non-graphic information. You can define where the pipeline should go and the system will route it, automatically placing all necessary elbows, trees, flanges and other components based on the piping configuration rules that you have set up. The system can produce a bill of materials at any time in the process.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station

Contact: David McAdam  
(02) 888-8111  
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD  
P.O. Box 174  
Willoughby, NSW, 2068

Prepared on Digital's DECset Publishing System
EQUIPMENT ARRANGEMENT PACKAGE

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum *Structural engineering

Calma's Equipment Arrangement module is a modelling package for building three-dimensional plant layout and equipments. Together with the Piping Layout and Design Package you can rapidly and accurately build a full scale, three-dimensional computer model that includes "built-in" information about the specifications and physical properties of each design component. The Equipment Arrangement Package includes a catalogue of standard equipment shapes and utilities that easily let you create your own catalogue of pumps, vessels, heat exchangers and much more.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

PROCESS & INSTRUMENTATION DIAGRAMS (P&ID)

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum *Structural engineering

Calma's Process & Instrumentation Diagram (P&ID) Package uses an "intelligent" data base with an engineering-oriented interface to create highly reliable schematic diagrams and flowsheets in a very short time. A library of standard or user-designed intelligent symbols ensures design consistency and report accuracy. The system automatically produces valve, instrument, equipment and "from-to" lists from the schematic. You may add or delete components, change pipeline routing, modify

Prepared on Digital's DECset Publishing System
specifications, or change any other aspect of the P&ID at any time. The change will automatically appear on the graphics screen, in the database of associated information and in all subsequent drawings and reports.

Pre-requisites: Calma's DIMENSION III Software; Calma's Design Station

Contact: David McAdam
(02) 888-8111
CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
P.O. Box 174
Willoughby, NSW, 2068

SRC NO: 100:T28

DIMENSION III

Operating System: VMS
Keywords: *CAD/CAM *Mechanical engineering *Petroleum
*Structural engineering

DIMENSION III™ software for the Architecture, Engineering, and Construction (A-E-C) industries is a high-speed 3-D system. Integrated with Calma's powerful Design Analysis Language (DAL™) program, DIMENSION III provides the application software necessary to perform major design, engineering drawing, and business functions for process plants, offshore structures, power generation plants, and other large construction projects. With Calma's total solution approach, designers and engineers can explore several solutions to a design problem, perform engineering analysis, check interferences between hard and soft members and produce both engineering drawings with automatic hidden line removal and bills of material. This software produces solid bonded models possessing object properties, such as mass, moment of inertia, volume, and surface area: DIMENSION III is a powerful interactive system supported by several fully integrated application software packages that meet specific requirements of the design process, from initial site survey and mapping to updates of as-built structures. Packages available for DIMENSION III are shown on other pages.

Pre-requisites: Calma's Design Station

Contact: David McAdam
(02) 888-8111

Prepared on Digital's DECset Publishing System
MOSS

Operating System: VMS
Keywords: *CAD/CAM  *Civil engineering

MOSS is a system for surface modelling in Civil and Mining Engineering, Land Survey and Cartography, where information is required on existing land forms and for the development of new designs.

The system provides for the creation of three dimensional models from air, ground and hydrographic surveys by photogrammetry and direct data capture form the most modern survey total stations.

Comprehensive design facilities allow for the complete detailed design of major civil work including highways with complex interchanges, railways, airport runways and taxiways, dams, river diversions and any other situation where the interaction between two surfaces is involved.

MOSS is widely used in mining for modelling or workings, continuous surveys for production payment and landscaping of spent workings.

MOSS uses advanced interactive graphics techniques to facilitate higher quality design and increased productivity.

Fortran.  1 Mbyte memory.  Magnetic tape or Floppy disc.

Contact:  Keith Phillips
(03) 241-3352
TRITEK
320 Toorak Road
South Yarra, VIC, 3141

SRC NO: 100:T30

I-DEAS Finite Element Modeling Family (FRAME)

Prepared on Digital's DECset Publishing System
Operating System: VMS
Keywords: *CAD/CAM  *Mechanical engineering *Petroleum
          *Structural engineering

I–DEAS Finite Element Modeling family (SUPERTAB/SUPERB/FRAME) offers a complete set of finite element pre–processing, analysis, and post–processing modules.

FRAME – Frame Analysis
Frame consists of three structural analysis modules:

– SAGS (Structural Analysis of General Structures)
– LAGS (Limit Analysis of General Structures)
– DAGS (Dynamic Analysis of General Structures)

Please see description for SUPERTAB and SUPERB on other pages.

Contact:  David McAdam
          (02) 888–8111
          CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL
          ELECTRIC (SALES) PTY LTD
          P.O. Box 174
          Willoughby, NSW, 2068

SRC NO: 100:T31

ASAS (Atkins Stress Analysis System)

Operating System: VMS
Keywords: *Construction  *Manufacturing *Mechanical engineering
          *Structural engineering

ASAS is a general purpose structural analysis system employing the finite element method. ASAS is used by practising design engineers involved in the analysis of real life engineering structures and components. Analysis facilities include linear statics with optional super–elements, natural frequency and steady state heat conduction. The current version H08, with 58 element types, provides many advanced features such as sliding faces, hinges, pins, rigid connections, spring and skew supports. Load types include nodal, distributed, constant and varying pressure, body force, prescribed displacement, temperature, face temperature and centrifugal. ASAS is supplied with graphics programs to plot structure topology, displaced shapes, mode shapes and stress contours together with interfaces to the PDA/PATRAN and FEMVIEW display systems.
Post-processor facilities include factoring and combining loadcases, enveloping, extreme values, selective printing, calculating average nodal, principal and extreme fibre stresses and code checking is available for a variety of beam, shell, membrane, axisymmetric and solid elements. For dynamic runs, steady state, transient and seismic response may be calculated. ASAS is written in FORTRAN and makes extensive use of virtual memory techniques. There are no software limits on problem size.

Contact: Stephen Crossley  
(03) 232-8849/233-6479  
TECROSOFT PTY LTD  
1 Karou Court  
Vermont South, VIC, 3133

SRC NO: 100:T32

GLADYS Reinforced concrete design system

Operating System: VMS  
Keywords: *CAD/CAM *Civil engineering *Construction *Structural engineering

GLADYS is a fully interactive computer system to aid practising engineers in the design of reinforced concrete elements. All GLADYS design calcs are printed to letter quality standard direct from the computer. The calculations are annotated where appropriate with computer generated diagrams. The finished product is clear and legible to anyone familiar with the design of reinforced concrete. GLADYS is applicable to all consultants, councils, and contractors involved in the design, certification and construction of reinforced concrete structures. GLADYS automates the tedious calculations without sacrificing any of the creativity associated with engineering design. All design calculations are stored in internal machine format and may be later retrieved and modified under program control. GLADYS has analysis and design capabilities including deflections where relevant for beams, slabs, circular and rectangular columns, irregular sections, irregular section properties, pad footings, shear walls and pilecaps. Force-moment interaction charts may be plotted. Other facilities include model analysis and earthquake response spectrum analysis together with statistical analysis of meteorological wind data. GLADYS is written in FORTRAN and requires a Diablo 630 or equivalent letter quality printer.

Contact: Stephen Crossley  
(03) 232-8849/233-6479

Prepared on Digital's DECset Publishing System
TECROSOFT PTY LTD
1 Karou Court
Vermont South, VIC, 3133

SRC NO: 100:T33

ASASOFFSHORE (Atkins Stress Analysis System Offshore)

Operating System: VMS
Keywords: *Construction  *Structural engineering

ASASOFFSHORE is a large scale system designed for the analysis of offshore structures, particularly those of the steel jacket type. It is built around the ASAS-H general purpose finite element system and may be used for linear static stress analysis, evaluation of natural frequencies and mode shapes, calculation of structural dynamic response, and fracture mechanics analysis. ASASOFFSHORE provides facilities such as automatic calculation of environmental loading arising from waves, current, wind and buoyancy, automatic calculation of additional mass due to marine growth, added hydrodynamic mass and flooding of tube members, estimation of fatigue life at joints using deterministic or spectral methods, code checking to AISC and API RP2A standards and soil pile interaction. Additional modules ASASLAUNCH and ASASFLOAT are available to simulate jacket launch and upending operations. ASASOFFSHORE is written in FORTRAN and makes extensive use of virtual memory techniques. There are no software limits on problem size.

Contact: Stephen Crossley
(03) 232-8849/233-6479
TECROSOFT PTY LTD
1 Karou Court
Vermont South, VIC, 3133

SRC NO: 100:T34

GEODAS

Operating System: VMS
Keywords: *Data collection  *Energy

Prepared on Digital's DECSset Publishing System
GEODAS (Geological Data Management) – Creation of a computerised geological database starts with accurate collection and entry of field and analytical data in a form suitable for computer use. To assist this function, GEODAS provides a complete methodology for recording, keying, validating, correcting and displaying drillhole data.

Designed for direct use by geological staff, GEODAS ensures that the maximum amount of information is extracted from expensively acquired drillhole data. By providing a consistent format for data collection and storage, it provides the ideal interface to deposit modelling and other analytic systems.

Through flexible text and graphical reporting facilities, GEODAS eliminates the time consuming clerical activities inherent in the manual management of data, freeing staff to concentrate on geological interpretation.

Contact: Gordon Jardine  
(07) 229–4300  
MINCOM PTY LTD  
Fl 12, AMP Place, 10 Eagle Street  
Brisbane, QLD, 4000

SRC NO: 100:T35

MINESTAR

Operating System: VMS  
Keywords: *Data collection *Energy *Metals *Graphics

MINESTAR (Mine Scheduling, Targeting and Reporting) is a fast and powerful computer application to assist mining engineers to schedule production and equipment in operating mines and to assess alternative production strategies during the evaluation of potential mines.

MINESTAR recognises the specific challenges of each in and the individual preferences mining engineers have in the methods used to develop a schedule. By providing a flexible and powerful interface, suing a graphics workstation, MINESTAR can be tailored to comply with specific needs.

The ability to mould the system in accordance with specific user requirements is a major feature of MINESTAR. From a user definable block database to user formatted screens and reports, MINESTAR provides the flexibility to build a specialised scheduling tool.

Prepared on Digital’s DECset Publishing System
The system is driven with user defined screen lists, controllable from the terminal, digitizer and graphics screen. This method of interface enables the scheduler to easily and efficiently monitor the scheduling process and to perform all scheduling functions.

Mining Engineers and Mine Planning Staff will be provided with better information, resulting in better decisions and consequently mining efficiencies and economies.

**Contact:** Gordon Jardine  
(07) 229-4300  
MINCOM PTY LTD  
Fl 12, AMP Place, 10 Eagle Street  
Brisbane, QLD, 4000

**SRC NO:** 100:T36

**MINER 2**

**Operating System:** VMS  
**Keywords:** *Data collection*  
*Energy*

MINER 2 is a coal deposit modelling system which is used in all aspects of coal mining and from initial exploration programs to daily mine planning and production control.

MINER 2 builds a complete model of the coal seams and rock strata within the computer. Geologists and mining engineers then use this model to provide all the information necessary for geological evaluation, mine planning and production scheduling. The broad range of output includes:

- Drilling Statistics  
- Cross Sections  
- Contour Plans  
- Stripping Ratio Isopachs  
- Coal Analytical Property Isopachs  
- Mine Plans  
- Drill Hole Location Maps  
- Geological Reserves  
- Mining Reserves on Block by Block Basis  
- Coal Analytical Property Predictions  
- Overburden, Waste, Stone Parting Volumes, etc.

**Contact:** Gordon Jardine

Prepared on Digital's DECset Publishing System
GEOLOG

Operating System: VMS
Keywords: *Data collection  *Metals  *Petroleum

GEOLOG is a computer system for processing and displaying down hole geophysical and geological data from exploration of coal or petroleum properties. It is a system designed to acquire, store and manipulate wireline, analytical and lithology data. It provides the user with the tools to work quickly and efficiently on log data.

System Features:
- Processing of wireline and lithology data
- Calibration depth and units matching
- Set log tools provided to manipulate data efficiently
- Analysis and interpretation modules
- Flexibility of display results

The System Can Store:
- Wireline log data
- Formation boundaries
- Working sections
- Analytical data
- Lithology chip data
- Lithology core data

Contact:  Gordon Jardine
(07) 229-4300
MINCOM PTY LTD
Fl 12, AMP Place, 10 Eagle Street
Brisbane, QLD, 4000

MSC/GRASP

Prepared on Digital's DECset Publishing System
Operating System: VMS
Keywords: *CAD/CAM *Graphics *Mechanical engineering *Structural engineering

MSC/GRASP has been developed to provide the MSC/NASTRAN community with high quality pre and post processing tools for finite element structural analysis. This sophisticated interactive graphics system stresses powerful capability in a framework of userfriendliness. The goal of MSC/GRASP is to increase productivity and improve analysis response time for more cost-effective design and manufacturing in the Phase 3 release. MSC/GRASP provides extensive interactive postprocessing capabilities that include:

- Deformed and Modal Plots
- Colour filled Contours
- Displacements
- Velocities and Accelerations - Applied Loads
- Forces of Constraint and Element Stresses
- Output Scanning
- X-Y Plots
- Key-Frame Animation

Additionally, complete MSC/NASTRAN models can be created using a technique that maps elements onto geometric surfaces and volumes. A powerful repertoire of colour graphics capabilities are also available.

Contact: Dr A. Currie  
(02) 277-405  
COMPUMOD PTY LTD  
10th Fl, 20 Martin Place  
Sydney, NSW, 2000

SRC NO: 100:T39

PATRAN

Operating System: VMS
Keywords: *CAD/CAM *Graphics *Mechanical engineering *Pre and postprocessors

PATRAN is a general-purpose interactive graphics program for the construction, display and editing of three-dimensional finite element models. The program allows for the independent creation of a continuous geometric model that is separate from the finite element model. This is an

Prepared on Digital's DECset Publishing System
important feature, as it allows for the establishment of a design database for different types of engineering analysis, such as structural, thermal, or dynamics, using the same CAD model. The program has a powerful colour graphics capability that has enormous visual impact on the creation of the CAD model, in the verification of the finite element model, and in the post-processing of the analysis results. Version 2 supports solid geometry, a wide range of analysis programs and over 40 graphic devices including smooth shaded solid imaging and animation capabilities. Interfaces to most CAD/CAM systems are also available.

Contact: Dr A. Currie
(02) 277-405
COMPUMOD PTY LTD
10th Fl, 20 Martin Place
Sydney, NSW, 2000

SRC NO: 100:T40

EUCLID

Operating System: VMS
Keywords: *CAD/CAM *Graphics *Mechanical engineering
          *Simulation

EUCLID is a three-dimensional interactive solid modelling software system designed to meet today's CAD/CAM needs. Originally developed in 1970 to assist in hydro-dynamic research, EUCLID now provides the user with a complete design and analysis capability which only solid modelling can provide. EUCLID covers all aspects of the engineering and manufacturing process including design, geometric analysis, input to Finite Element Model (FEM) Analysis, Numerical Control (NC) program output, kinematics analysis and drawing production. Powerful algorithms and a compact data structure provide extremely fast response, even on complex models. As a true solid modelling system, EUCLID automatically removes all hidden lines as a normal mode of operation without loss of performance. Clearance or clash between 3D components can also be investigated.

Contact: Dr A. Currie
(02) 277-405
COMPUMOD PTY LTD
10th Fl, 20 Martin Place
Sydney, NSW, 2000

Prepared on Digital's DECset Publishing System
MSC/NASTRAN

Operating System: VMS
Keywords: *Aeronautics aerospace *CAD/CAM *Mechanical engineering *Simulation

MSC/NASTRAN is a large scale, general purpose program that solves a wide variety of engineering analysis problems by the finite element method. The program capabilities include static and dynamic structural analysis, material and geometric nonlinearity, heat transfer, aeroelasticity, acoustics, electromagnetism and other types of field problems such as seepage. It has been successfully used by large and small organisations throughout the world engaged in such diverse industries as automotive, aerospace, civil engineering, shipbuilding, off-shore oil, industrial equipment, chemical and mechanical engineering, mining equipment, power generation, optics and government research.

Contact: Dr A. Currie
(02) 277-405
COMPUMOD PTY LTD
10th Fl, 20 Martin Place
Sydney, NSW, 2000
ALL-IN-1 System for Business Operations

Operating System: VMS
Keywords: *Decision support *Electronic mail *Financial analysis
          *Spreadsheets *Word processing

The ALL-IN-1 System for Business Operations is designed to satisfy the financial application needs of all departments manufacturing, sales, engineering, research, administration, banking.

The ALL-IN-1 System for Business Operations provides a system that can manage, coordinate and direct multi-user spreadsheet applications across a VAX system network. Those applications are either customer developed or one of the fine solution applications included in the ALL-IN-1 System for Business Operations (fore-casting, budgeting, account actuals and reporting).

ALL-IN-1 System for Business Operations is the only integrated office system that allows live spreadsheet documents (data, formulas, analysis) to be sent across the organisation. As many as sixteen spreadsheets can be sent in any mail message. This allows structured applications including forecast, budget, project cost, product cost and profit information to maintain consistent format, analysis technique and data structure. A high-speed database link facilitates data transfer from spreadsheet to database, database to spreadsheet, Report database to reports, and database to graphs. This speeds the department data roll-up and report generation processes to a fraction of the time required in currently available office techniques.

The ALL-IN-1 System for Business Operations is comprised of eight integrated and tailorable subsystems all of which are menu driven under ALL-IN-1.

- Registry Management System
- Data Management System
- Budgeting, Forecasting, Actuals and Worksheet Systems
- Report Generating System
- Graph System

Pre-requisite Software: VMS, ALL-IN-1, VAX DATATRIEVE, VAX FMS, VAX DECALC, DECGRAPH, VAX CDD

Contact: Sales Department
See rear of book for all Digital offices

Prepared on Digital's DECset Publishing System
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 120:D02 DIGITAL SUPPORTED

DECalc

Operating System: VMS
Keywords: *Decision support *Financial analysis *Spreadsheets

DECalc, a powerful financial planning tool, is the electronic equivalent of an accountant's spreadsheet calculator. DECalc lets you create, edit, and manipulate models that are the basis for your financial plans and budgets. It's self-teaching and requires little previous computer experience.

DECalc's screen-oriented spreadsheet gives you the tool you need to monitor the impact of changes — or potential changes — and to create financial reports. DECalc runs efficiently on Digital's VAX/VMS system.

DECalc supports arithmetic functions (addition, subtraction, multiplication, division, and exponentiation) and various statistical and trigonometric functions. These mathematical capabilities eliminate the need for manual calculations.

You can construct models of up to 63 columns and 254 rows. So, by using DECalc, you can model complex functions and interrelationships.

You can specify that expressions be evaluated in standard algebraic order or strictly from left to right; you can also modify the order of evaluation with parentheses. This flexibility increases your control over your model.

With one keystroke, you can turn off the screen image, without affecting the contents of the grid that was displayed.

You can enter numbers in successive grids and automatically find the sum to the numbers. This feature saves time and reduces your chance of error by minimising keystrokes.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
DECISION

Operating System: VMS
Keywords: *Financial management *Forecasting *Spreadsheets

DECISION is the name for the software product distributed by Digital. DECISION is a modelling system with a menu-driven, easy-to-learn spreadsheet for the beginner, which allows the user to progress to more sophisticated applications using either spreadsheets or modelling.

Included in DECISION's library are functions to compute:

- Allocations
- Amortisations
- Consolidations
- Depreciations
- Conitional logic testing
- Net present value
- Regression etc.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SUPERCOMP-TWENTY

Operating System: UNIX, VMS
Keywords: *Calculation aids *Decision support *Financial planning *Spreadsheets

SUPERCOMP-TWENTY is the electronic spreadsheet that incorporates the capabilities of most packages available today with a number of new, highly sophisticated features, including goal seeking, print wrapping, formatting, and a sort command that permits alpha or numeric sorting. Other features include cell naming, a 1,000 x 1,000 matrix, iterative calculation option, and a wide range of global and local formats.

Prepared on Digital's DECset Publishing System
Expanded file handling capabilities permit model-to-model cut and paste activity, as well as the ability to combine models or sections of models with mathematical and logical operators.

The command file facility automates any routine procedures, such as consolidations and data transfers between models; the branching capability allows one command file to invoke another, based on worksheet calculations. Menus can be established from within the program, giving relatively inexperienced users the full power of the program.

SUPERCOMP-TWENTY reads and writes ASCII files, allowing the program to easily interface with most database and word processing packages.

A version of this product is available for the PDP-11 computer.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 120:T01

FCS-FINSTAT

Operating System: VMS
Keywords: *Report writer

FCS-FINSTAT is designed to automate the key tasks in preparing company consolidation results, both financial and statutory. The major benefits of the package are flexibility to incorporate company proforma with extensive data checking, consolidation, and detailed reporting facilities. The package includes: automatic currency conversion at different rates and different methods, audit trail, journal entry, partial and full consolidation, inter company checking, minority interests, spreadsheet reporting and detailed reporting to a level and quality for direct publication in the annual accounts.

FCS-FINSTAT is written in FCS-EPS and requires a minimum of 200 pages and is distributed via magnetic tape.

Contact: John MacGregor

Prepared on Digital’s DECset Publishing System
EVA/MINNIE

Operating System: VMS
Keywords: *Financial analysis *Financial planning *Forecasting
*Natural resources

The EVA/MINNIE system is an economic financial modelling suite used for the strategic analysis of new investments for determining medium term funding requirements and for detailed short term budgeting. As far as the developers are aware, it is the only planning software available which includes versatile 'off-the shelf' models as part of the leasing arrangements.

The MINNIE model is versatile enough to analyse companies in the mining, oil and gas, cement, banking, brewing and construction industries with no change in model logic required. Because it has been developed by an investment bank, the model incorporates intricate facets of finance and accounting.

Other major features of this FORTRAN-77 system include detailed documentation involving VAX HELP libraries, the incorporation of variable time spectra (e.g. quarters for 2 years, then annual thereafter), driver programs for ease of data manipulation prior to program execution, incremental analysis for corporate expansion, and consolidation features when analysing takeovers.

Contact: Richard T. Gates
(02) 237-0500
SCHRODER, DARLING AND COMPANY LIMITED
15 Bent Street
Sydney, NSW, 2000

MODEL (Decision Support System)

Prepared on Digital's DECset Publishing System
Operating System: VMS
Keywords: *Decision support *Financial planning *Report writer

MODEL is a general purpose decision support system for solving business calculations. MODEL was designed to provide ease of implementation for the computer novice and still furnish all the capabilities of a business language for the experienced user.

MODEL's capabilities extend far beyond common planning software, reducing the time and effort expended between the problem and the solution.

MODEL handles multiple spreadsheets simultaneously and has an extensive array of functions available. MODEL uses English-like statements in a straightforward fashion to solve an organisation's problems.

MODEL can be interfaced with other systems and can read and write data to all types of files.

MODEL creates FORTRAN programs that execute very efficiently.

Contact:  W. Everett
(02) 957-3144
ACCESS COMPUTING PTY LTD
4th Floor, 15 Blue Street
North Sydney, NSW, 2060

SRC NO: 120:T04

FCS-EPS

Operating System: VMS
Keywords: *Accounting *Decision support *Financial planning
*Spreadsheets

FCS-EPS is a financial modelling/decision support system, with main applications of budgeting, forecasting, consolidation, planning, cash flow forecasting, statistical and graphical analysis, risk analysis etc. The system is very easy to use with full use of screen data entry, simple model logic, plus FCS-EPS is also a very powerful language which allows, for example, complete menu driven systems to be created.

Prepared on Digital's DECset Publishing System
The key features are ease of use coupled with power and comprehensiveness. For example, features include Screen Formatting, Statistical Forecasting, Box Jenkins Analysis, Risk Analysis, Multi Dimensional Consolidation, Colour Graphics, External File Interfacing, User Written Functions and Commands.

FCS-EPS is written in Fortran/Assembler. Requires a minimum of 200 pages and is distributed via Magnetic Tape.

Contact: John MacGregor
(02) 439-3722
EPS SOFTWARE CONSULTANTS PTY LTD
Suite 7, 84-86 Pacific Highway
St Leonards, NSW, 2065

SRC NO: 120:T05

NyPLAN (Financial Modelling and Spreadsheet System)

Operating System: VMS
Keywords: *Decision support *Financial planning *Forecasting
        *Spreadsheets

NyPLAN is a financial modelling and spreadsheet system designed for both novice and skilled users. It is typically used for budgeting, estimating, cash flow and project evaluation. Models are easily portable between micros, PDP and VAX. Several interfaces are available including Datatrieve and general interface. Screen and plotter graphs are provided. Standard facilities include financial and mathematical routines, risk analysis, advanced logic, windows, report module and help facilities. NyPLAN was developed in PASCAL. A virtual memory approach is available and memory requirements vary to suit site needs. Standard distribution is on magnetic tape.

Contact: Brendan Meddings
(03) 848-7100
PROVEN SYSTEMS PTY LTD
Suite 2, 600 Doncaster Road
Doncaster, VIC, 3108

SRC NO: 120:T06

Prepared on Digital's DECset Publishing System
UGEN Financial Management Systems

Operating System: VMS
Keywords: *Accounts payable *Fixed assets *General ledger

The UGEN Financial Management Systems, comprising the UGEN General Ledger & Financial Reporting System, the UGEN Accounts Payable System, and the UGEN Fixed Assets Accounting System are described separately in the Accounting Section of this catalogue. All UGEN systems have been designed to be totally user driven with emphasis placed on ease of use to ensure that users will gain full benefit from the many features available within each system. With over 120 systems in use in Australia and New Zealand UGEN systems offer a proven software solution at a sensible price.

Contact: T. Bade
548–905
BADE DRAPER ASSOCIATES LTD
P.O. Box 9673, Newmarket
Auckland, New Zealand

SRC NO: 120:T07

SCENARI/O

Operating System: ULTRIX, VMS
Keywords: *Accounting *Financial analysis *Spreadsheets

SCENARI/O is a multi-functional management tool which may be applied to a wide range of commercial applications. SCENARI/O has a spreadsheet-like interface providing extensive on-line help and user friendly functions. Key features of the system are:–

- The ability of the system to directly interface with external systems such as accounting, insurance and other financial systems.
- The ability to create and use a practically unlimited number of user-defined reports, models, enquiry screens or worksheets of unlimited vertical or horizontal size (regardless of memory available). The data in any of these may be accessed by user-defined formula which may contain references to internal or external data on a cell or line basis.
- Optimised recalculation allowing models to be calculated extremely efficiently.
- SCENARI/O supports line, cell and column formula, an integrated fourth generation language and synchronised recalculation of multiple models.

Prepared on Digital's DECsset Publishing System
Written in the 'C' programming language, SCENARI/O will operate in both the ULTRIX and VMS operating environments.

Contact: Phillip Miller  
(02) 358-3900  
MCC CONSULTING GROUP PTY LIMITED  
5th Fl, 80 William Street  
East Sydney, NSW, 2011

SRC NO: 120:T08

FINAR

Operating System: VMS  
Keywords: *Financial management

FINAR Financial Modelling System with comprehensive, easy to build, easy to use facilities. Consolidation facilities. File transfer facilities (data to and from other applications). Report writer and graphics output options.

Ability to incorporate menu's for user guidance. Suits all types of models where simple spreadsheet is too limited or difficult to use or control. Versions available for Group Consolidation of Accounts. Uses standard DEC files and utilities. Same user interface on all versions including PC version.

Language: Basic, Basic Plus 2  
Memory Required: VMS 3MB, RSTS 1MB, MS-DOS 64KB  
Distribution Media: Magnetic Tape, Floppy Disk

Contact: Peter Vroom  
(08) 212-7577  
COMPUTER MANAGEMENT CENTRE PTY LTD  
Level 15, 55 Waymouth Street  
Adelaide, SA, 5001

Prepared on Digital's DECset Publishing System
SOURCETOOLS

Operating System: VMS, RSTS/E
Keywords: *Source code control  *Text management

SOURCETOOLS for the management of source code. Irrespective of whether you are using PASCAL-2 or some other compiler, or USER-11 or some other 4GL, the problem of managing your source code is the same. Oregon Software recognised this some years ago in managing the development and maintenance of their many PASCAL-2 versions, so they developed the SOURCETOOLS system. It proved to be so successful in-house that they decided to make it publicly available.

SOURCETOOLS has four major components: SOURCECON for the control of source modules (irrespective of the source language—; MAKE for the documentation of module dependencies, and for the selective and automatic re-building of a program or system when any of the component parts are out of date; TXTCOM for the comparison of two files to determine differences; and SEDIT to apply the output from TXTCOM to a remote file so that parallel remote source code may be maintained.

SOURCETOOLS is a time and money saver. It enables programmers to get on with the job of programming, rather than managing their code. It facilitates debugging of production programmes as it maintains a full audit trail of changes made by version. It automates the process of accurately rebuilding a system after a change. It enables parallel systems to be maintained at either a source or executable level. And it manages the difficult situation of correcting bugs in a current production version of a program while, at the same time, another programmer is introducing enhancements.

Incidentally, the term "source code" not only refers to program sources; SOURCETOOLS is just as effective in managing command files, text files and documentation. It operates on any ASCII file.

Contact: Rod McArter
(02) 211-2322
NETWORK COMPUTER SOFTWARE
6 Cunningham Street
Sydney, NSW, 2000
SAVER

**Operating System:** RSTS/E
**Keywords:** *Down-line loading  *Software utilities

SAVER – Fast and easy backups. If you are a RSTS/E user, frustrated by the inadequacies and time taken by your current Backup system, and certain that there must be a better solution, then you are correct.

The SAVER disk-to-tape backup system from DPD should solve all your problems. SAVER is extremely fast, it has an option to produce bootable or PIP-compatible tapes, it handles multi-volume files without a hitch, and you can restore just a single file or a whole volume.

**Contact:** Rod McArter  
(02) 211-2322  
NETWORK COMPUTER SOFTWARE  
6 Cunningham Street  
Sydney, NSW, 2000

**SRC NO:** 130:T03

CSRDOC

**Operating System:** VMS
**Keywords:** *Database management  *Information management  *Library science  *Office systems

CSRDOC is a highly efficient textual information retrieval system, storing documents on any subject with the capability to search and retrieve on total text, keywords or title.

It has been used for storing and retrieving information such as technical abstracts, company circulars, organisation charts, business news, company history, references to all book, periodical and reports within an organisation, press releases, etc. The applications are limitless.

The system is written in FORTRAN 77 and requires approximately 64K bytes of memory. Data entry direct from word processing documents is possible.

**Contact:** G. T. Sinclair  
(02) 235-8609  
CSR LIMITED

Prepared on Digital's DECset Publishing System
BASEVIEW

Operating System: VMS
Keywords: *CAD/CAM  *File transfer  *Mechanical engineering  *CIM

BASEVIEW is one part of DIGITAL’s CIM strategy that links engineering and manufacturing departments together and to other departments in the organisation.

It allows users on low cost terminals to access CAD and other drawings that are produced on any IGES graphics terminal.

It supports the following types of access:

DISPLAY: Allows the user to view pages of a CAD design, rotate the viewed object, and zoom in or out to make the object larger or smaller and pan the object. All these functions are in software and therefore terminal independent.

QUERY: Allows the user to search for parts of a model and read dimensions and geometries associated with the drawing.

WRITE NOTES: Allows the user to write and edit notes on the drawing merged with dimensional data.

It is callable as a subroutine and can be embedded in BASEWAY or ALL-IN-1.

It can be used on VT125, VT240, VT241, VS100, VS11, VS31, PRO350, RAINBOW, TEXTRONIX 4014, 4107, 4115, RAMTEK 9460.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

EFFECTIVE GRAPHICS BUSINESS PRESENTATION AIDS

Prepared on Digital’s DECset Publishing System
Operating System: VMS
Keywords: *Graphics  *Information management  *Presentation aids

The AMATIL MSD GRAPHICS BUREAU SERVICES can help Presenters communicate information more effectively at business meetings.

The Bureau offers the following services:

- High quality graphics presentation aids 35 mm slides, transparencies for overhead projectors. Hard-copy colour or black and white hand-outs.

- Graphic design and production – to customer specifications

- Standard graphics design and production

- Customer do-it-yourself facilities. Facilities will soon be available for all customers to use the high resolution graphic hardware at the MSD premises


Contact:  Manager, Management Services
(02) 232-0366
AMATIL LTD
71 Macquarie Street
Sydney, NSW, 2000

 SRC NO: 140:T02

UNIGRAPhICS II

Operating System: VMS
Keywords: *CAD/CAM  *Manufacturing  *Programming tools  
*Robotics  *Simulation

UNIGRAPhICS II from McDonnell Douglas of USA is powerful, fully integrated 2 and 3D CAD/CAM/CAE software package. UNIGRAPhICS II is an advanced interactive graphics system with applications in many phases of the product development cycle, including engineering design, analysis, and simulation, drafting, and the generation of N C data for manufacturing.

Prepared on Digital's DECset Publishing System
Buy providing a common data base for all these activities UNIGRAPhICS II facilitates a smooth and rapid transition from initial concept to finished product. Supporting software modules cover Machining, Mechanisms, Finite Element Modeling, Sheet metal, Solid Modeling, Schematics, PCB and Robotics.

Contact: R. Fill / G. Furtkert  
(09) 543-046  
CAD/CAM SYSTEMS LIMITED  
Box 9065  
Newmarket, Auckland, New Zealand

SRC NO: 140:T03

GRAPHICS 11

Operating System: VMS, RSTS/E  
Keywords: *Presentation aids

The GRAPHICS-11 package comprises two optional modules: CHART for the production of quality bar, line and pie charts, and FIGURE for the creation and manipulation of images. As an example of the way in which these two modules may be combined, a user may create a bar chart of sales by state using CHART, create a pie chart more closely analysing the sales of one particular state by product group (also using CHART), the, using FIGURE, reduce each by 60%, putting the line chart at the top left hand side of the output, the pie chart at the bottom right hand side, draw a line between the two and add some comments, and enclose the entire output in a border.

GRAPHICS-11, through its use of simple English-like commands and menus, provides the user with enormous flexibility in terms of data analysis and chart design. Additionally, the package supports a wide range of graphic terminals, raster printers and vector plotters. It is available under the RSTS/E and VMS operating systems.

Contact: Rod McArter  
(02) 211-2322  
NETWORK COMPUTER SOFTWARE  
6 Cunningham Street  
Sydney, NSW, 2000

Prepared on Digital's DECset Publishing System
Overview

"YOU CAN COUNT ON US . . . .

MOST HEALTH CARE PROFESSIONALS DO:

The patient is the nucleus of the Health Care Industry.

The small business health market (general practitioners, specialists, physiotherapists, dentists) and the hospital market form the bulk of a patients health care experiences.

Both these markets integrate and communicate closely with each other and depend upon each other for frequent exchange of information.

Through the patient’s need to interface with medical practitioners, employers, hospitals, nursing homes, physiotherapists, dentists and other pararelated Health Care professionals an information processing picture emerges which lends itself ideally to computerisation and to the Digital style of computing.

A number of software suppliers have developed a finely honed expertise in different segments of Health Computing. Each has developed packages specifically designed to meet the unique and complex needs of specific market segments comprising tried and proven solutions for:

- Medical and Dental practices
- Hospital Administration
- Hospital Service Departments
- Laboratories
- Occupational Health

Digital has much pleasure in commending to you the following portfolio which represents the most comprehensive collection of Health Care Application packages available today in Australia and New Zealand.

Prepared on Digital’s DECset Publishing System
DEC rad

Operating System: VAX DSM(MUMPS)
Keywords: *Database management *Data dictionary *Information management *Medical

The VAX-based DEC rad Radiology System is an application designed to manage the daily activities of a Diagnostic Radiology Department with one centrally located, dedicated system. It has been developed in conjunction with a Consortium of Hospital Radiology Departments which was formed to develop and promote new technology applications for interactive computer systems in Hospital Radiology Departments.

Major Features are:

- Patient Registration and Tracking
- Examination Scheduling
- Diagnostic Reporting
- Film Library Management
- Management Reporting

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

DEC health

Operating System: VAX DSM(MUMPS)
Keywords: *Database management *Data dictionary *Medical *Personnel

DEC health is an Occupational Health Surveillance and Tracking System. It produces both standard and ad-hoc reports which allow Occupational Health Professionals to track patterns of illness and injury, correlate health problems with exposure to toxic agents and identify health hazards by location overtime.

Major Features are:

Prepared on Digital’s DECset Publishing System
Tracking employees work history by location, department and job title
- Tracking of agents/hazards active at each location over time
- Integration and cross-correlation of data
- Facilitates studies to identify work-related hazards
- Scheduling of examination and laboratory tests
- Maintenance of employee medical records including medical histories, physical exams, laboratory results, health questionnaires, injury and illness information

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA) Pty Limited

SRC NO: 150:D03 DIGITAL DISTRIBUTED

AUSTPAY

Operating System: VMS
Keywords: *Payroll

AUSTPAY is a flexible Payroll/Personnel package which requires minimum intervention from its User's. Many automatic facilities are provided, and can be overridden for any employee for any one pay period. These facilities include:

- Automatic payments, and or time entries
- Salary rate incrementing on birthday/hire date
- Unlimited allocation of wages to cost/accounts
- Entitlements checked and adjusted for sick leave, annual and long service leave
- Up to 1200 leave accruals
- Generation of history records for 1–9 years or life
- Loading of any hours type
- Allocation of public holidays
- Tax spread for any given period
- Unlimited allowances and deductions
- Comprehensive Personnel data
- Career path planning

AUSTPAY is written in Cobol, and distributed on tape. Both object and source code are delivered.

Prepared on Digital’s DECset Publishing System
Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 150:T01

IMMGEN TISSUE TYPING

Operating System: VMS
Keywords: *HLA Tissue Typing *Database management *Reagent Registry *Transplantation *Serum Analysis

IMMGEN TISSUE TYPING is a software package developed specifically for HLA Genetic Tissue Typing Laboratories. It consists of five modules:

1. Daybook Module: This is a laboratory management module, with programs enabling storage of demographic and clinical HLA data on patients, panel members and paternities. The data fields are tied to a high level database management system which allows investigators to interrogate stored data, and to write programs to examine and manipulate the data. There are programs which generate worklists, and produce client-customised reports on HLA typing and HLA antibody screening.

2. Reagent Module: This module consists of programs to maintain updated inventories of HLA laboratory reagents (antisera, typing and antibody screen trays, rabbit complement).

3. Screen Module: This module comprises statistical programs for:

i) serum screening, including tail analysis, to calculate reducing R-values between reactivity-unknown antisera and known HLA antigens for identification of suitable HLA typing reagents.
ii) cluster analysis, with grouping of similarly behaving sera by a hierarchical cluster technique.
iii) shuffle pattern analysis, allowing manipulation of the row/column order and position of sera and cell.
iv) rabbit serum complement effectiveness evaluation.

4. Transplant Module: Programs in this module enable:

i) donor and recipient matching according to flexible criteria determined by individual transplant centre priorities.

Prepared on Digital's DECset Publishing System
ii) storage of data on renal transplant recipients, including degree of HLA match, perfusion, and immunosuppressive therapy.

Extension of this module for Bone Marrow Transplantation is in progress.

5. Paternity Module: These programs accept data from HLA typing, red blood cell typing, serum protein and red blood cell enzyme polymorphism testing, calculate paternity probabilities against stored gene and haplotype frequencies, and generate self-explanatory reports in a format adaptable to legal requirements.

The IMMGEN TISSUE TYPING system can be inter-related with the ANYLAB system also available from IMMUNOCOMPUTERS.

**Contact:** Dr Malcolm J. Simons
61-3-2411443 Telex: AA35891 IMMLAB
IMMUNOCOMPUTERS
P.O. Box 218
Toorak, VIC, 3142

**SRC NO:** 150:T02

**ANYLAB**

**Operating System:** VMS
**Keywords:** *Quality control* *Database management* *Data reduction - Statistics* *Billing*

The ANYLAB system is a computerised data management system for hospital or private Speciality Pathology laboratories. It was originally designed for Immunology laboratories. As a modular system, it is adaptable to other speciality laboratories (e.g. Toxicology, Pharmacology). Client-defined parameters allow customisation to individual laboratory specifications. ANYLAB interfaces with all instruments and devices, and allows for data reduction from instrumentation. It controls daily laboratory test processing, generates worklists, produces interim reports, and final reports with codified and free-form comments. Test results, including abnormal values, are presented in schematic and graphic form. The Invoice Generation Program assigns individual test billing values and produces total patient accounts. Accounts receivable, arrears listings, arrears reminder notices, debtor ageing and other cash management facilities can be tailored to hospital or private practice. The ANYLAB system can be inter-related with IMMGEN TISSUE TYPING system, also available from IMMUNOCOMPUTERS.

Prepared on Digital’s DECset Publishing System
D.L.S. DETENTE LABORATORY SYSTEM

Operating System: VAX DSM(MUMPS)
Keywords: *Medical

Detentes Laboratory Package is a multi-disciplinary Medical Laboratory System suitable for both private and hospital installations. It covers all facets of a laboratories operations including Biochemistry, Haematology, Microbiology, Histopathology, Cytology, Immunology and Endocrinology.

All modules are fully integrated and written in ANSI, Standard Mumps. It includes full debtors accounting with automatic pricing of completed laboratory requests in addition to a wide range of financial and laboratory management reports and statistics.

Contact: Alex Anderson
          (02) 736-1711
          DETENTE SYSTEMS
          77 Majors Bay Road
          Concord, NSW, 2137

SODA DIETARY ANALYSIS SPREADSHEET

Operating System: VMS
Keywords: *Education *Medical *Research *Service industries

SODA is an "electronic spreadsheet" for dietary analysis. It is a system of powerful, easy to use tools for on-line dietary analysis and construction of diets with desirable nutrient levels. It is also valuable in the development of food products where one should substitute the word "product" for "diet" in what follows.

Prepared on Digital's DECset Publishing System
SODA provides instant analysis of foods into 27 nutrients as you add either the food code of the food name to the diet. Three of the nutrients may be supplied by the user, others are from the standard tables of US, UK or Australia.

Your own foods, dishes or meals may be added to the database, then recalled for use by 4 keystrokes as a single "food".

When building diets or analysing intakes SODA allows continuous monitoring of Recommended Dietary Intakes. RDIs, of which 1000 may be stored on disk, are automatically generated for each age, sex, weight etc., and may be modified for therapeutic use.

Up to 1000 diets or food products may be stored in a library, then recalled by a 3 digit number and modified for particular cases.

Costs, average servings, household units, are shown and may be adjusted to your particular use. Both grams and ounces are accepted for input.

Printouts at any stage, include nutrient analysis, energy derivation, Recommended Dietary Intakes, % energy, all foods.

Language: BASIC available VAX/Rainbow (128K)
Distribution: Tape/Floppy disk

Contact: Dr R. J. Hartley
(09) 350-7431
COMPUTER MODELS
P.O. Box 280
Bentley, WA, 6102

SRC NO: 150:T05

ISYS HOSPITAL ADMINISTRATION (ATS) SYSTEM

Operating System: VAX DSM(MUMPS)
Keywords: *General ledger *Medical *Payroll

ISYS HOSPITAL is a complete information system for small to medium hospitals. The system includes general ledger, debtors, creditors, inventory, payroll, report writing, spreadsheet, word processing, medical records, medical billing, medical query language, bed statistics and bureau capabilities.

The system is written in MUMPS which was originally developed for the hospital area.

Prepared on Digital’s DECset Publishing System
Hard disc requirements are based on 4MB system image, plus 1Mb per 1,500 accounts, plus 15 beds per Mb.

Memory is 1 Mb minimum.

The system is readily transportable across the whole range of DIGITAL computers.

**Distribution Media:** Floppies, Cartridge Tape and Mag Tape.

**Contact:** Jon Osborne  
(02) 958-2130  
SAMAKA (AUST) PTY LTD  
58A Frenchs Road  
Willoughby, NSW, 2068

**SRC NO:** 150:TO6

**MERLIN CLINICAL DATABASE**

**Operating System:** ULTRIX-32, VMS  
**Keywords:** *Database management*  
*Medical*  
*Spreadsheets*  
*Statistics*

MERLIN is an integrated database, text processing, statistics and graphics package running on DIGITAL hardware from PRO-350 to VAX. It is designed and optimised for the storage of medical data. Features include: Fully multi-user, Natural handling of sparse and time-variant data, with complete data validation, Transaction logging and database recovery, Unlimited numbers of keys, No programming knowledge required of users, Integrated text processing, Statistical manipulations (parametric and non-parametric tests, non-orthogonal analysis of variance), graphics with "soft" terminal interface, on-line enquiry and report creation, dynamic data dictionary manipulations.

**Languages:** Pascal, Macro, FORTRAN (statistics/graphics)

**Distribution Media:** 800 bpi tape, RL01/RL02, RX50, RK05

**Memory Requirements:** Dynamically allocated. RSX & P/OS – 44kW plus 32kW per simultaneous user. VAX – 0.5Mb total.

**Contact:** L. J. Schmalzbach  
(02) 358-2143 / 698-1231

---

*Prepared on Digital's DECsset Publishing System*
DEC MEDICUS

Operating System: VMS
Keywords: *Accounts payable *Accounts receivable *Financial planning *Medical

DEC MEDICUS – Practice Management System. The software is available on the full range of DIGITAL equipment from the PRO-350 through the MICRO-11 up to the VAX. More than just another computerised billing system DEC MEDICUS is a complete financial package. In addition to full medical accounting and billing the system supports practice book keeping functions together with parallel general ledgers to provide balance forward personal accounting for each doctor in the practice. Itemisation and analysis of all income and expenditure enables estimation of current and annualised taxable income for all practice members. Special attention is paid to third-party bulk billers such as Medicare, Repatriation, Motor Accident Board and Workers Compensation. Extensive reporting facilities are provided based upon Datatrieve-11.

Language: Cobol 81
Documentation supplied: Manuals:Users, User List:Yes
Maintenance and Update: Annually or as required
Essential Equipment: DG P/OS; DEC RSX-11M/s; DEC VAX VMS

Contact: Dr S. Hupert
(03) 419-0922
PRO MEDICUS PTY LTD
154 Johnston Street
Fitzroy, VIC, 3065

SIMULATION ANALYSIS AND MODELLING

Operating System: VMS 4.X
Keywords: *Medical *Research *Scientific *Statistics

Prepared on Digital's DECset Publishing System
SIMULATION ANALYSIS AND MODELLING – SAAM29 AND CONSAM29. What does the product do? The SAAM/CONSAM software has been specifically developed for the purpose of fitting kinetic models to data. For example tracer data acquired from monitoring radiolabels can be directly used to develop compartmental models thus facilitating an understanding of the passage of the host through the system in question. Furthermore host transport information, with appropriate statistical weights, can be used to constrain the fitting thus permitting an association between model constructs and ‘real’ system entities.

To assist with such investigation the software supports; an array of self tuning, and self selected, numerical integrators (single and multi-step), over 20 initiativevly invoked and mnemonically named modelling constructs, a functionally optimised and self-stopping fitting procedure, and a selection of realistic and easily managed data weighting options.

Over the years of its development the software has evolved to capitalise on hardware and software technologies and has routinely been applied to a wide range of investigations, often of clinical significance. Recent applications include use in the areas of lipoprotein turnover, insulin-glucose kinetics, heavy metal transport, and drug management studies.

What are its key features? The key features of the SAAM/CONSAM software are:

- It has been developed by a group of investigators who routinely use it and are thus concerned with its utility.
- Since its parameters have both physical and mathematical connotation models can be specified without recourse to mathematics and it is thus suitable for use by non-mathematical investigators.
- It operates in both batch and interactive modes and is therefore adaptable to both model development and model application aspects of kinetic analysis.
- It has been applied to a wide range kinetic investigations featuring passive and regulated systems and its reliability in a broad range of applications is thus assured.

What language is it written in? Fortran-77

Memory Requirements? The software is now only supported for virtual memory operating environments and currently it runs best for working sets sizes of around 1.6M.

Distribution media? Magnetic tap, 1600 BPI, containing modules, manuals, test problems, and selected outputs.

Prepared on Digital's DECset Publishing System
Contact: Dr Ray Boston
(09) 332-2152
MURDOCH UNIVERSITY
Dept of Computer Science
Murdoch, WA, 6150
VAX ADE

Operating System: VMS
Keywords: *Office systems *Report writer

VAX ADE, a layered product on RSTS and VMS, is an easy-to-use data management tool specifically designed to enhance the productivity of office professionals and others. With it, you can create and manipulate your own local database consisting of character, numeric and date data types without calling on technical help. Because VAX ADE uses English words to instruct the system to do its tasks, you don’t have to learn any programming or technical terminology. VAX ADE is continually interactive, prompting you after each input when additional information is necessary. VAX ADE also provides an extensive interactive HELP at the touch of the Help Key.

Features:

- Online training facility
- Report Writer for customised reports
- Verb procedure to shortcut command input time and run unattended
- Callable from ALL-IN-1
- RMS sequential file format for data transfer to and from other
- User protection of data
- Simple arithmetic calculations
- Simple bar graph capability (video display only)
- Automatic sorting, ascending or descending
- Easy transition from basic commands to complex facilities and functions, as desired

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

VAX Rdb/ELN - Relational Database Management System

Operating System: VMS

Prepared on Digital’s DECset Publishing System
Keywords: *Database management

VAX Rdb/ELN is a relational database management system designed for dedicated applications on systems running in the VAXELN application environment.

VAX Rdb/ELN applications are developed using the VAXELN Toolkit on a host VAX/VMS or MicroVMS system. The resulting bootable, VAXELN-based Rdb/ELN application is then moved to the VAXELN target system using disk media, or an Ethernet Local Area Network (LAN) link. The application program executes on the target system as a dedicated database system. The network link to the host development system may be used for remote debugging.

Application programs developed to access VAX Rdb/ELN databases and running under VAXELN can access:

- VAX Rdb/ELN databases on the same node
- VAX Rdb/ELN databases on other nodes in a network
- VAX Rdb/VMS databases on other nodes in a network

Users are expected to have the necessary hardware to provide both host development and target execution environments. Applications may not be run in the development environment other than for debugging purposes.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 160:D03  DIGITAL SUPPORTED

DATATRIEVE

Operating System: VMS
Keywords: *Database management  *Data collection  *Data dictionary
*Data entry

Distribution media: RL02/RA60/RK07 disk cartridge, 9-track 1,600 bpi magtape.

VAX DATATRIEVE is a query and report system for the VAX?VMS operating system, providing a uniform access method for data stored by

Prepared on Digital’s DECset Publishing System
RMS and VAX DBMS files on VAX/VMS. Using VAX DATATRIEVE, a novice or an experienced user can retrieve or modify data without considering the underlying storage method or physical location.

VAX DATATRIEVE presents information in several formats. Information can be displayed as a report or as a simple table. Thus displayed, information can be printed on a hard-copy device. Information can also be displayed with user-defined VAX FMS and VAX TDMS forms or presented graphically on a VT125. Hard copy of the graphics display is available. DATATRIEVE also provides an efficient way to access information stored on other VAX/VMS or PDP-11 systems linked by DECnet.

VAX DATATRIEVE can be used interactively to retrieve, modify, store, or delete data, using a simple set of commands. Frequently used combinations of commands can be stored as names procedures and invoked by name. Programs written in other VAX languages can call VAX DATATRIEVE, allowing them to be independent of underlying data storage methods and physical location.

VAX DATATRIEVE is dictionary driven. All data descriptions are stored in and retrieved from the VAX Common Data Dictionary (CDD), which also handles protection. VAX DATATRIEVE can access data only through definitions in the VAX Common Data Dictionary. Locking the definition prevents the user from accessing the data. Access control can be based on name, login account, password, or terminal class (local, remote, or dial-up).

VAX DATATRIEVE provides access to data on remote VAX systems.

VAX DATATRIEVE uses the local data dictionary on the remote node to divide processing between the host and remote system to minimise traffic over the communications link.

VAX DATATRIEVE provides the novice user with a tutorial mode. ADT, the Application Design Tool, is offered for the more experienced user who wants to define data structures.

VAX DATATRIEVE is a highly structured nonprocedural language that provides automatic access optimisation, data type conversion, and data validation. Looping and control structures can be combined and nested to create complex, powerful commands.

Refer to SPD Number 25.44.10 when requesting further information on this product from your local DIGITAL Sales Office.

Prepared on Digital's DECset Publishing System
ACMS (Application Control & Management System)

Operating System: VMS
Keywords: *Development tools *Programming tools

The VAX Application Control and Management System (ACMS) product set provides tools for the development and control of complex online applications. These tools can reduce application development and maintenance time by replacing significant amounts of control and application code with definitions stored in the VAX Common Data Dictionary (CDD).

The VAX ACMS Product Set consists of two parts: VAX ACMS/AD (Application Development), and VAX ACMS (Application Execution and Control). While ACMS/AD provides the tools to design, develop, and maintain online applications, ACMS is used to create the operational environment in which to run them. The ACMS Product Set is an integrated member of the VAX Information Architecture, using the VAX CDD for storing definitions and VAX TDMS for menu processing.

A wide range of transaction processing and other complex online applications can be developed and controlled with the ACMS Product Set, including inventory control, order administration, and accounting applications.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED
Operating System: VMS
Keywords: *Database management *Data dictionary *Documentation
          *Programming tools

Distribution media RX50, RO25, RL02, RA60, 9-track 1,600 bpi magtape, RK07.

This relational database management system features a data definition
language; a data manipulation language; a data dictionary; database utilities,
the Relational Data Base Operator (RDO) language, concurrency, and
integrity controls; security; precompiler support for VAX BASIC, VAX
COBOL, VAX FORTRAN, and VAX PASCAL; access through RDO for VAX
BLISS, VAX PL/I, VAX DIBOL, VAX C and RPG II and remote database
access. Application programs developed to access Rdb/VMS databases
can access them on the same node or remote nodes in a network or VAX
Rdb/ELN databases on remote nodes in a network.

Refer to SPD Number 25.59.02 when requesting further information on
this product from your local DIGITAL Sales Office.

Contact: Sales Department
         See rear of book for all Digital offices
         DIGITAL EQUIPMENT
         CORPORATION (AUSTRALIA)
         PTY LIMITED

SRC NO: 160:D06 DIGITAL SUPPORTED

CDD (Common Data Dictionary)

Operating System: VMS
Keywords: *Compilers *Data dictionary *Language enhancers
          *Language Processors

The VAX Common Data Dictionary (CDD) provides a single logical data
dictionary for a VAX/VMS or MicroVAX/MicroVMS system, containing
definitions for the VAX ACMS Product Set, VAX DATATRIEVE, VAX
DBMS, VAX Rdb/VMS, VAX TDMS, VAX COBOL, VAX BASIC, VAX DIBOL,
VAX FORTRAN, VAX C, VAX PASCAL, and VAX PL/I.

The VAX Common Data Dictionary contains:

- All VAX DATATRIEVE definitions (records, domains, tables,
  procedures, and graphic plots)

Prepared on Digital's DECset Publishing System
- VAX DBMS schema, storage schema, and sub schema definitions
- VAX ACMS Product Set's task, menu, application and task group definitions
- Record definitions that VAX COBOL, VAX BASIC, VAX DIBOL, VAX FORTRAN, VAX C, VAX PASCAL, and VAX PL/I can optionally include at compile time.

VAX Common Data Dictionary is prerequisite software for, and must be installed prior to the installation of VAX ACMS Product Set, VAX DATATRIEVE, VAX DBMS, and VAX TDMS.

This logical dictionary is built from one or more physical dictionary files. This allows users to access one cluster wide dictionary as well as individual dictionaries per processor.

The CDD provides security based on its hierarchical directory. Each directory and data description can have its own Access Control List. Each entry in the Access Control List specifies a class of user and the type of access allowed to the directory or data description. A user class is defined by selecting the UIC, user name, password, and terminal class parameters.

Refer to SPD Number 25.53.10 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department  
See rear of book for all Digital offices  
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)  
PTY LIMITED

SRC NO: 160:D07 DIGITAL SUPPORTED

VAX DBMS Database Management System

Operating System: VMS  
Keywords: *Compilers *Database management *Data dictionary *Networking

Distribution media: RA60/RK07/RL02 disk cartridge, 9-track 1,600 bpi magtape.

VAX DBMS is a multiuser general-purpose CODASYL-compliant database management system for accessing and administering databases

Prepared on Digital's DECset Publishing System
ranging in complexity from simple hierarchies to complex networks with multilevel relationships. VAX DBMS supports full concurrent access in a multiuser environment without compromising the integrity and security of the user's databases. VAX DBMS is based on the March 1981 Working Document of the ANSI Data Definition Language Committee.

Features include full concurrent access capabilities (storage, retrieval, update, and deletion) in a multiuser environment; record locking and journaling; automatic transaction and verb rollback; multiple database support; integration with VAX Common Data Dictionary (CDD) facility; schema, subschema, storage schema, and security schema data definition languages (DDLs); FORTRAN data manipulation language (FDML); a high-level call interface for VAX languages that adhere to the VAX calling standard; automatic subschema definition extraction from the CDD for BASIC, BLISS, COBOL, DIBOL, MACRO, Pascal, and PL/I when using the high-level call interface; and easy-to-use utility command language; an interactive database query utility (DBQ) with video display of subschema structure diagrams on VT100-compatible terminals; on-line database verification in concurrent, protected, and exclusive modes; off-line full and incremental database backup and restore; the ability to redo a sequence of committed transactions (roll forward); an initial load facility and unload and reload facilities for database restructuring; BATCH RETRIEVAL ready mode (database snapshots) for increased concurrency in large retrieval applications; space area management (SPAM) pages, which improve database free-space search performance; Boolean record selection expression with index optimisation on FIND and FETCH DML statements; data compression of data items and database key (DBK) pointers; fragmented records, which allow large records to span multiple database pages; simple restructuring without reloading a database; and sorted sets implemented with B-trees, with prefix and suffix compression for sort keys.

Refer to SPD Number 25.48.13 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 160:D08 DIGITAL SUPPORTED

BASIS

Prepared on Digital's DECset Publishing System
Operating System: VMS
Keywords: *Development tools *Government *Library science *Text management

BASIS is an information retrieval system with the ability to handle many different types of information - from free format text to structured numeric data. BASIS is used in applications such as: file register systems; personnel systems; library catalogues; legal information retrieval; geological information; building and construction standards; technical manuals and engineering documentation; and correspondence files. The "Profiles" feature allows users to set up complex command sequences accessible by a single command.

Other features include user friendly Query and Report Generator, fast response times, multiple security levels, thesaurus, facilities for usage accounting, complex computational support and more.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 160:009 DIGITAL SUPPORTED

VAX VTX (And VAX VALU)

Operating System: VMS
Keywords: *Government *Manufacturing *Presentation aids *Sales and marketing

VAX VTX is a flexible, easy to use Videotex System. The flexibility of VAX VTX is shown by its wide range of protocols (Prestel, ASCII, NAPPLPS and CEPT), its unique voice capability of DECtalk and its wide ranging terminal support capabilities.

Normal menu selection is supplemented by keyword access and bookmarks on a networked basis if needed. The Automatic Page Management System allows interactive frame updating by information providers using symbolic page identifiers, even in a remote infobase. ("Widows" and "Orphans" are identified as a matter of course). Comprehensive network wide management facilities complete the picture.
VAX VALU, an optional extra, is the bridge to external interactive applications.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 160:D10 DIGITAL SUPPORTED

VIA

Operating System: VMS
Keywords: *Database management *Development tools

The VAX Information Architecture (VIA) is a component of the broader category of Digital's VAX Information Management Environment. The VAX Information Architecture is designed to offer customers a set of integrated tools to create solutions to their information management problems. The VIA product set consists of:

*VAX DBMS — a multiuser CODASYL compliant Database Management System. VAX DBMS is used to access and administer databases ranging in complexity from simple hierarchies to complex networks with multilevel relationships.

*VAX Rdb/VMS — a Relational Database Management System designed for customers who have the need for relational features, but not the complexity of a CODASYL compliant system.

*VAX Rdb/ELN — the same product as described above except that it runs on VAXELN in a realtime environment.

*VAX ACMS — the VAX Application Control and Management System products provide tools for the development and control of complex online systems benefiting in increased programmer productivity.

*VAX CDD — the VAX Common Data Dictionary which provides a single logical data dictionary which can contain definitions for the VAX ACMS, VAX TDMS, VAX DBMS, VAX DATATRIEVE, VAX DECgraph, and other VAX languages.

Prepared on Digital's DECset Publishing System
*VAX TDMS – the Terminal Data Management System which is an interactive forms-oriented terminal application tool.

*VAX DATATRIEVE – a fourth generation application development language with report, remote access distributed data management capabilities and powerful graph and query facilities.

The hub of this architecture is the Common Data Dictionary (CDD) which interfaces with each program in the VAX Information Architecture through its centralised data definition storage.

To further enhance the VIA product set, the VAX Information Management Environment provides even more languages, tools and applications to develop sophisticated systems for solving today's complex problems. Some of these are:

*VAX FMS – the Forms Management System which simplifies the development of forms-driven applications.

*VAX DECgraph – a general purpose graphics plotting package.

*VAX DECSlide – an interactive menu-driven graphic presentation utility. DECSlide offers a combination of symbols and text for easy menu selection.

*VAX VTX – a menu-driven video data retrieval service for office environments. VTX programs maintain control over a tree structured database through which a user can easily navigate by selecting choices from a menu.

NOTE: * All these products are included in this catalogue under the appropriate category.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 160:D11 DIGITAL SUPPORTED

VAX TEAMDATA

Operating System: VMS

Prepared on Digital's DECset Publishing System
Keywords: *4GL *Application Generator

VAX TEAMDATA provides powerful, yet easy to use, information management capabilities. TEAMDATA lets users easily retrieve, store and modify data, using a screen-oriented, text-editing style, in a powerful relational database management system (VAX Rdb/VMS).

VAX TEAMDATA users can access data stored in Rdb/VMS databases, and through optional use of VAX/DATATRIEVE, TEAMDATA allows (read only) access to data stored in VAX/DBMS databases or RMS files which have been defined as DATATRIEVE domains.

VAX TEAMDATA offers a package of tightly integrated functions that provide: TABLES (Database), SPREADSHEETS and BUSINESS GRAPHICS.

Some TABLES features include:

- Ability to display data in tabular form on the screen
- Editing of data, including easy data entry, update and deletion in word processing style
- Query, extract and report by menu-driven record selection
- Transparent fetching of data from local and remote TEAMDATA and Rdb/VMS databases, and, through VAX Datatrieve, RMS files and DBMS databases
- Simple report generation using data from single or multiple data sources; ability to subset and sort data, establish control breaks, and save/print the results.
- Joins between tables, with the ability to store the results in a new table
- Sorting of data by one or more fields
- Aggregate calculations, including TOTAL, COUNT, AVERAGE, MAX, MIN on a whole table or by groups (control breaks)
- Computed fields, where one field is calculated in terms of one or more fields in the same row

Some SPREADSHEET features include:

- Very large capacity spreadsheet support: up to 676 columns; number of rows limited only by available disk space
- Import/Export of data in common spreadsheet formats (for example DIF, SYLK and DECalc)
- Automatic recalculation of formulas by default
- Financial functions such as present value, future value, net present value, depreciated value
- Mathematical functions such as LOG, SQRT, ABS, FACTORIAL
- Conditional expressions (IF/THEN) with nesting and Boolean comparisons

Prepared on Digital’s DECset Publishing System
BUSINESS GRPAHICS

Users can create bar, multi-bar, stacked bar, line, multi-line, pie or scatter graphs or data from within tables or spreadsheets.

FOLDERS

Users can organise tables, spreadsheets, and applications in folders. Folders can be nested hierarchically.

Pre-requisite Software: VMS, Rdb/VMS (runtime or full kit)

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 160:D12

VAX RALLY

Operating System: VMS
Keywords: *4GL *Application Generator

VAX RALLY provides a powerful 4th Generation environment for developing applications. As an integrated package, VAX RALLY provides the tools necessary to construct databases, screen forms, reports, menus and online Help for the application user.

Using a menu interface, the VAX RALLY application developer can create an application from scratch or can take advantage of the extensive defaulting capabilities of VAX RALLY. Once applications are created they can be:

- Run directly from within VAX RALLY
- Installed in a VAX TEAMDATA directory
- Accessed directly from an ALL-IN-1 menu
- Run from DCL
- VAX RALLY is suited to the Information Centre and departmental computing environments
- It provides a high productivity, integrated environment for building, running and maintaining simple to moderately complex applications
VAX RALLY is built on Digital's Relational Database Management System (Rdb); access to RMS and DBMS is available through DATATRIEVE
- Dictionary capabilities are built into database and application files
- Companion end-user DSS product (TEAMDATA) which includes a VAX RALLY runtime environment
- Integration with ALL-IN-1; WPS-PLUS key mappings
- Integration tools for building/maintaining Rdb databases
- Integrated screen manager, menu and help builders
- Very powerful report writer
- Integrated procedural language and 3GL exit capability
- Produces application file; no compile/link cycle
- Comprehensive on-line help

Pre-requisite Software: VMS, Rdb/VMS (runtime or full kit)

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 160:T01

ADABAS (The Adaptable Data Base)

Operating System: VMS
Keywords: *Data base management  *Data dictionary

ADABAS is an inverted – list data base management system offering relational capabilities. Up to 16.7 million records can be stored in each of 255 files within one database. Up to 255 databases can be handled by one ADABAS system. Facilities exist to enable ADABAS to run within a network (DECNET) as well as with clustered processors. The price quoted includes the fourth generation language NATURAL.

Contact: Stuart A. James
(02) 498-8555
SPL (AUSTRALIA) PTY LIMITED
Level 7, 802-808 Pacific Highway
Gordon, NSW, 2072

SRC NO: 160:T02

Prepared on Digital’s DECset Publishing System
Multi-TAB (Multi-user List Processing Utility)

Operating System: VMS
Keywords: *Engineering *Office systems *Sales and marketing

Multi-TAB is a list processing utility which enables users to quickly develop a broad range of middle level information management systems. By integrating the functions of data definition, display building, input data validation and access control with flexible data entry, retrieval and reporting facilities, Multi-TAB is usable by both non-DP and DP personnel. Routines and record structure information are provided to allow other programs to read Multi-TAB's RMS-based files and to write to these files via the input data validation facility. A three-tier control structure of Administrator, Developer and User provides VAX system managers with the ability to delegate development to non-DP staff while maintaining overall direction of applications.

Language: FORTRAN 77
Distribution Media: 1/2" magnetic tape, 800 or 1600 bpi

Contact: John Foster
(03) 20-1740
CCE SOFTWARE SYSTEMS
3 Vernon Street
Glen Iris, VIC, 3146

SRC NO: 160:T03

SHARE REGISTRY, NOTES & DEBENTURE SYSTEM

Operating System: VMS
Keywords: *Management

Designed for Australian Conditions. All requirements of the Australian Company's Act and Stock Exchange are met. Covers Shares, Notes/Debentures and Interest Bearing Unsecured Notes.

SHARES caters for five categories – Ordinary, B-Ordinary, Preference, Provisional and New.

NOTES/DEBENTURES – includes Secured Deposits, Unsecured Deposits and Debentures.

Prepared on Digital’s DECset Publishing System
System is database designed with multi-user (on-line processing and enquiry), and batch processing, facilities.

Dividend/Interest is payable by cheque or direct deposit (Cemtex). A Tape File of Register is available for microfiching. Complete audit trail provided for total security. Customisation, if necessary, to suit an organisation's unique needs.

Languages: COBOL/FMS

Contact: Manager, Management Services
(02) 232-0366
AMATIL LTD
71 Macquarie Street
Sydney, NSW, 2000

SRC NO: 160:T04

MTX

Operating System: VMS
Keywords: *Accounting *Cost accounting *Management

MTX - Management Information System. Fully integrated real time cost accounting system for the mining and related engineering industries incorporating interface to the 20/20 Integrated Spreadsheet Modelling Program.

Modules include: General Ledger, Creditors, Purchase Order and Commitment Accounting, Debtors, Sales Analysis, Production Costing and Project Costing.

Special features include: Unit cost trend graphics, Equipment costing and Utilisation, Integrated production period reporting and special payroll features for the Mining Industry.

Language: DIBOL
Media: As required
Minimum Memory: Disc space for programs - 6Mb (500 pages)

Contact: M. Couper
(09) 386-5568
APPLIED COMPUTING
45 Stirling Highway

Prepared on Digital's DECset Publishing System
Nedlands, WA, 6009

SRC NO: 160:T05

CCLAS

Operating System: VMS
Keywords: *Data collection *Instrumentation *Quality control
          *Scientific

CCLAS is a Computerised Laboratory Automation System developed by
Comlabs. It allows an analytical laboratory to work FASTER and CHEAPER
to produce more accurate data. This is achieved by directly capturing data
from analytical instruments where possible, and properly managing and
monitoring the many types of laboratory information. However, the most
information feature of CCLAS to everyone working in the laboratory is
that it is EASY TO USE.

CCLAS is a series of Fortran computer programs that function as separate
modules but share information. Their task is simply to ensure that all
information relating to any sample is available to the person(s) or
instrument(s) about to work on that sample next.

Contact: Mr Norm Hanson
         (08) 43–5722
         COMLABS SERVICES PTY LTD
         305 South Road
         Mile End South, SA, 5112

SRC NO: 160:T06

GNK

Operating System: VMS
Keywords: *Development tools *Operating systems *Programming
tools *Utilities

GNK – Get Next Key. The GNK package provides a set of routines
designed to enhance the performance of applications using secondary
keys on indexed files.

Prepared on Digital’s DECset Publishing System
The routines allow secondary keys to be retrieved without reading the primary data records, this permits significant improvements to be realised in applications that position to a given start key and then scan sequentially through the index selecting records on the basis of the secondary key value. The degree to which application performance is improved is dependent on the ratio of the number of keys scanned to the number of keys/records selected, the higher the ratio the greater the improvement.

Entry points are provided to:

- OPEN a file
- CLOSE a file
- Perform a COBOL style 'START' on a key
- Retrieve keys sequentially
- Retrieve the primary data record for the current key

The routines currently support prolog 1, 2, or 3 non-segmented string keys with no duplicates. Prolog 3 keys with index or index data compression are not supported. Support for segmented string keys and duplicates is planned for a future release.

The GNK package runs on VAX computers running VMS 4.0 or later and is supplied in object form with full user documentation.

Contact: Jeff Yancey
(02) 481-815
AVEC TECHNOLOGIES PTY LTD
57 Westbrook Avenue
Wahroonga, NSW, 2076

SRC NO: 160:T07

MIMS

Operating System: VMS
Keywords: *Inventory *Maintenance *Management *Purchasing

Mincom's Information management System is a set of modular computer packages which together comprise a comprehensive methodology for control of production, maintenance and materials management activities and for collecting, processing and displaying day-to-day management information pertaining to large capital intensive organisations.

Prepared on Digital's DECset Publishing System
The objective of the system is to provide all the information required by individuals operating in various levels in the organisation from shop tradesman to general manager. Consequently, heavy emphasis is placed on online, realtime processing and display of information on VDU's located throughout the operation.

The major application areas are:

- Operations and Maintenance information
- Maintenance Scheduling
- Operating Statistics
- Condition Monitoring
- Supply
- Labour
- Document Indexing

Contact: Gordon Jardine
(07) 229-4300
MINCOM PTY LTD
Fl 12, AMP Place, 10 Eagle Street
Brisbane, QLD, 4000

SRC NO: 160:T08

THE OPERATIONS & MAINTENANCE SYSTEM

Operating System: VMS
Keywords: *Cost accounting *Maintenance *management

The Operations and Maintenance System is a collection of sub-systems which together provide comprehensive facilities for recording and reporting information on significant operations and maintenance activity at the site. The following facilities are provided:

- Equipment and Component Registers
- Work Orders
- Maintenance Scheduling
- Component Tracing
- Equipment Costing
- Project Control
- Site Ledger

Prepared on Digital's DECset Publishing System
Computerised recording of routine maintenance procedures reduces the impact of personnel turnover, and provides a basis for implementation of more sophisticated planning procedures. The system is designed to be totally controlled and directly operated by maintenance personnel.

Contact: Gordon Jardine  
(07) 229-4300  
MINCOM PTY LTD  
Fl 12, AMP Place, 10 Eagle Street  
Brisbane, QLD, 4000

SRC NO: 160:T09

SUPPLY

Operating System: VMS  
Keywords: *Accounts payable *inventory *Purchasing

The MIMS Supply System produces tangible benefits by automating routine functions and by providing improved information as the basis for cost-saving decision making. It can be applied to a single or multi-site supply environment. In a multi-site environment, it provides for either centralised or decentralised cataloguing and purchasing with decentralised inventory control. Each decentralised inventory control site/warehouse can be an unlimited number of warehouses.

The Supply System includes seven interrelated functions:

- Cataloguing  
- Stores  
- Purchasing  
- Forward Purchasing Agreements  
- Creditors  
- Application Parts Listing (APL)  
- Materials Requirement Planning (MRP)

Contact: Gordon Jardine  
(07) 229-4300  
MINCOM PTY LTD  
Fl 12, AMP Place, 10 Eagle Street  
Brisbane, QLD, 4000

Prepared on Digital's DECset Publishing System
INSPAC

Operating System: ULTRIX, VMS
Keywords: *Accounting  *Financial management  *Spreadsheets  *
         *Statistics

INSPAC is a fully integrated on-line general insurance package designed
to cater for the wide range of types and classes of business found in
general insurance. A large emphasis is placed on the ability to quickly and
easily alter the system to suit the desired needs of the user.

Key features include:

- Unlimited lines and classes of business
- Claims management and reporting system
- Client cross-portfolio management and analysis
- Decision support including claims and underwriting analysis, density
  analysis, and financial modelling

Written in the 'C' programming language, INSPAC will operate in both the
ULTRIX and VMS operating environments.

Contact:  Phillip Miller
          (02) 358-3900
          MCC CONSULTING GROUP PTY LIMITED
          5th Fl, 80 William Street
          East Sydney, NSW, 2011

Prepared on Digital's DECset Publishing System
LOCUS

Operating System: ULTRIX-32, COS-310, MS-DOS
Keywords: *Accounting *Billing *Information management *Office systems

LOCUS is a complete system of practice management for lawyers in private practice. It controls their cases and matters; accounts, bills and management information; secures trust funds; and helps to promote practice growth.

LOCUS is a modular system which allows the end-user lawyer to build a customised suite of software to suit his or her precise management needs.

Contact: Linda M. Julian
(02) 319-2000
LAW DATA SERVICES
Data Place, 139 12 Regent Street
Chippendale, NSW, 2008

Prepared on Digital's DECSset Publishing System
TECHLIB

Operating System: VMS
Keywords: *Education *Information management *Text management

TECHLIB is an application for Technical Library applications based on the BASIS information retrieval system. It provides on-line catalogue access; circulation control with overdue, recall, reservation and booklist functions; acquisition control including automatic catalogue update; the elimination of book and catalogue cards and an inter library loan facility.

STACS (Serials Tracking and Circulation System) is another BASIS application providing routing capabilities and algorithms; easy record creation; automatic detection of late issues; patron searching and much more.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
Overview

Digital has a long history of involvement in the Manufacturing Industry, the dominant positions occupied by the PDP-11 over the past fifteen years. Over one third of the 300,000 PDP's in operation worldwide are in use in shop-floor manufacturing applications.

The following sampling of Manufacturing software available for VAX Systems is not intended to be exhaustive. Contact your local Digital office or the Manufacturing Industry Marketing Group in Sydney or Melbourne for more specific information on packages which meet your particular needs.
IMS BILL OF MATERIALS

Operating System: VMS
Keywords: *Bill of materials *Inventory *Manufacturing

IMS BILL OF MATERIALS is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. A multi-level Bill of Material system designed as an optional feature of IMS's IMCS Inventory Management and Control System. It may be installed in conjunction with, or later, as an upgrade to the IMCS system. Operating in a conversational interactive mode, the user maintains bill of material component lists from which BOMS automatically structures in Where Used Component lists. All costs (average, last, actual, accounting standard, current manufacturing, last accounting standard and other) are available to the user for rolling up to higher levels. In addition, the current manufacturing cost may be further broken down by labour, material and overhead costs, both on a cumulative (i.e. lower level components) and add-on (i.e. costs of assembling) basis. Both are available as standard reporting features. Kitting paperwork may also be generated subject to component availability review.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

IMS INVENTORY MANAGEMENT AND CONTROL SYSTEM

Operating System: VMS
Keywords: *Inventory *Purchasing

IMS INVENTORY MANAGEMENT AND CONTROL SYSTEM is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. An interactive Inventory Management and Control System with multi-store capabilities. Operating in a conversational, interactive mode, IMCS performs extensive edit checking and is accessed via a series of multi-level menu structures, entrance to which is controlled by the Application Manager via IMS's
unique menu passwording functions. Also included are automatic file maintenance routines to facilitate account setup, file expansion and reorganisation, and the closing of accounting periods. A physical inventory sub-system is also available which provides the user with a facility to input physical inventory balances and reconcile and post variances. Cost fields are available for purposes of establishing inventory values: - Accounting Standard Cost, Old Accounting Standard Cost, Current Manufacturing Cost and an "other" cost which may be maintained by the user for each inventory item. Last Actual and Average Costs are maintained by the system through inventory transactions.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 200:D03 DIGITAL SUPPORTED

IMS SHOP FLOOR AND JOB COSTING SYSTEM

Operating System: VMS
Keywords: *Shop floor control *Inventory *Job costing

IMS SHOP FLOOR AND JOB COSTING SYSTEM is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. Interactive Shop Floor and Job Costing System capable of routing, costing and load determination. Operating in a conversational, interactive mode, SFC performs extensive edit checking providing data entry integrity. Shop orders are entered via an on-line terminal with operator prompting. Labour transactions are entered against various operations within a job, allowing you to track the flow of the job through the shop floor. A variety of transaction types enable the distinction to be made between setup and run operations and standard and rework activity. Variances form setup and run-time estimates are calculated and in turn used to compute the efficiency of both employees and work centres. Rejects and rework transactions are reported, together with efficiency and utilisation information to assist management in determining where additional training or capacity is needed and where bottlenecks are occurring. An optional interface is provided between SFC and IMCS (IMS's Inventory Management and Control System) to record inventory component allocations and issues to jobs and to, in turn, record the receipt to stock of the finished good item.

Prepared on Digital's DECset Publishing System
Contact: Sales Department  
See rear of book for all Digital offices  
DIGITAL EQUIPMENT  
CORPORATION (AUSTRALIA)  
PTY LIMITED

SRC NO: 200:D04 DIGITAL SUPPORTED

IMS MATERIAL REQUIREMENT PLANNING

Operating System: VMS  
Keywords: *Inventory *MRP *Purchasing

IMS MATERIAL REQUIREMENT PLANNING is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. Material Requirements Planning (MRP) is a system capable of performing as both a Net Change and Regenerative MRP system. Both functions are designed to satisfy product demands, expressed as Master Schedule Items, Customer Orders or other user-defined requirements. System Logic will determine the proper time frame and quantity required for all MRP items, from component to end item levels. MRP will provide a simulation of what effect the manufacturing plan has on current inventory supply. The system projects what shortages will occur and provides recommended or "planned" order suggestions to prevent their occurrence. Equally important, MRP acts as a de-expediting tool. The system recognises when receipts are not in phase with actual requirements and provides recommended re-schedule date and/or order cancellation advice's. As part of a modular manufacturing system, the MRP system is designed to be installed in conjunction with the following IMS Systems: Inventory Management and Control System (IMCS); Bill of Material System (BOMS); Purchasing Management; Order Processing.

Contact: Sales Department  
See rear of book for all Digital offices  
DIGITAL EQUIPMENT  
CORPORATION (AUSTRALIA)  
PTY LIMITED

SRC NO: 200:D05 DIGITAL SUPPORTED

IMS PURCHASING MANAGEMENT SYSTEM

Prepared on Digital's DECset Publishing System
Operating System: VMS
Keywords: *Inventory  *Purchasing  *MRP

IMS PURCHASING MANAGEMENT SYSTEM is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. PMS is a comprehensive interactive Purchasing Management System which interfaces with the IMS's Inventory Management Control System (IMCS), and MRP system. Operating in a conversational, interactive mode, PMS performs extensive edit checking, thereby enhancing overall integrity of data entered to the system. PMS is accessed via a series of multi-level menu structures, entrance to which is controlled by the application manager via a unique menu passwording functions. Purchase orders may be created for both stocked and non-stocked material. Stock material purchase order transactions are logged to a data collection file for subsequent updating of the inventory database.

Contact:  Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 200:D06  DIGITAL SUPPORTED

BASEWAY

Operating System: VMS
Keywords: *Automotive  *Materials handling  *Production control
  *Shop floor control  *CIM

BASEWAY (Tool for Integrating Manufacturing Production Applications)

BASEWAY provides tools for integrating diverse, automated shop floor equipment into a CIM environment.

BASEWAY manages industrial monitoring and control devices and enables the data that these produce to be used coherently at supervisory and production management levels.

It consists of a number of facilities which together:

- provide for configuration and management of shop floor devices such as NC machines, programmable controllers;

Prepared on Digital's DECset Publishing System
- enable users to give names to shop floor device data, to access and control real time data, and to electronically mail it to other applications
- allow selective auditing
- allow new menus and facilities to be added in a consistent manner

It is used for applications such as plant monitoring and control, preventative maintenance, quality control, energy management.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 200:D07

WCS

Operating System: VMS
Keywords: *Accounts payable *Accounts receivable *General ledger
*Payroll *Report writer *Sales analysis

WCS is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. WCS is the collective name for the set of software products distributed by Digital. WCS Products are a range of integrated commercial packages designed to run as stand alone modules or as part of an integrated suite of software. They are supplied with original Cobol source or in object only form and may be modified if necessary by the end user or by Wilson.

Features are:

- Manufacturing - MRP
- Manufacturing - SFC

NOTE: Also see separate entries under Accounting and Distribution for more details.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
MATE

Operating System: VMS
Keywords: *Accounts payable *Accounts receivable *Inventory *Production control

MATE is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. MATE is a modular, integrated Management Information system comprised of over 200 programs and functions. It is designed locally for Australian business and manufacturing conditions. The system is menu driven and lends a high degree of flexibility to system implementation. Subsystems are chosen to suit the particular application and the systems are capable of stand-alone operation. The subsystems included are: Stock and Warehouse Control, Accounts Payable, Accounts Receivable, Sales Invoice Control, Sales Order Control, Purchase Invoice Control, Purchase Order Control, General Ledger, Capital Assets, Payroll, Regenerative MRP, Work Orders, Routing, Bill of Materials, Planning, and Database Report Generation. The package is written in FORTRAN 77, COBOL and MACRO. It is available on 1600 BPI Magnetic Tape for VAX and TK50 Streaming Tape for MICROVAX. The product is also available on the MICRO PDP 11/23 and 11/73.

Features are:

- Stock and Warehouse Control
- Sales Invoice Control
- Purchase Invoice Control
- Purchase Order Control
- Regenerative MRP
- Work Orders
- Routing
- Bill of Materials
- Planning
- Database Report Generation

NOTE: Also see separate entries under Accounting and Distribution for more details.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECSet Publishing System
MAPPS

Operating System: VMS
Keywords: *Project management *Scheduling

MAPPS is the collective name for the software products distributed by Digital.

MAPPS is a critical path based management tool that simultaneously processes time, costs and resources at both a corporate overview level and a project or detail level. MAPPS is available for the full range of Digital VAX Series computers operating under VMS and UNIX. MAPPS can handle 32000 activities, resources and connectors.

Special features include: ADM/PDM Networks, Event Scheduled Activities, Milestones, Multilevel Networks, Global Edit, Network Generation, Simulator, ability to interconnect with other databases through MAPPIN and MAPPOUT. Cost matrix budget spreadsheet, Macro/Micro Rollup, Multi-Network Resource Utilizer, Cash reports over multiple networks, Resource Leveller, Multi-Network Interconnect and extensive graphical reporting through the Graf/PPlot reporting module, file compatibility with Quick-Plan on the Rainbow.

MAPPS represents the state of the art in computer aided project planning tools and is supported in Australia and New Zealand by the company that wrote it; Mitchell Management Systems Inc.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

EQINOX (CAD/CAM System)

Operating System: VMS
Keywords: *CAD/CAM *Engineering *Graphics *Mechanical engineering

Prepared on Digital's DECset Publishing System
EQINOX is a practical and modular approach to computer integrated manufacturing (CIM). EQINOX addresses:

Product Design – rapidly increasing the volume and accuracy of design-related tasks, EQINOX allows new product designs as well as engineering changes to be handled quickly and easily.

Tool Design – quickly and easily developing drawings for tooling necessary to manufacture a specified part, EQINOX helps create and store documentation for jigs, fixtures, special clamping arrangements, and other tooling.

Process Planning – enabling manufacturing engineers to visually communicate their process plans, this application provides accurate set-up and process sheets. It also utilise information created by the product designer and tool designer.

Facilities Layout – Since it is vital that a manufacturing firm’s machines and operations are placed in a logical sequence to expedite production, EQINOX allows the manufacturer to easily plan and rearrange facilities for new equipment or processing changes.

NC Programming – utilising information created by product design, tool design, and process planning, this application reduces user NC programming time. In addition, interactive graphics provides instant visual feedback that virtually eliminates machine prove out.

Contact: Sales Manager
(02) 908-4888
SCHLUMBERGER SYSTEMS PTY LTD
55 Grosvenor Street (PO Box 595)
Neutral Bay, NSW, 2089

SRC NO: 200:T02

CUISINE

Operating System: VMS
Keywords: *Accounts payable *Accounts receivable *CAD/CAM
*General ledger

Complete Manufacturing and Commercial system for the medium to large scale kitchen manufacturing industry.

Prepared on Digital’s DECset Publishing System
Uses full CAD/CAM Graphics and produces plan drawings as well as 3D perspectives of kitchens with full hidden line removal.

Fully produces quotations, invoices, statements etc. including end of year profit and loss statements and company balance sheets.

Colour surface modelling will be available as part of the presentation section of the package during 1986.

Contact: Frank Cottrell
(049) 675-266
AUTOMATION TECHNOLOGY PTY LTD
2/60 Griffiths Road
Lambton, NSW, 2299

SRC NO: 200:T03

STOCK

Operating System: VMS
Keywords: #Inventory #Order entry

The PSI Stock System offers an easy to use stock management system operating in an online multi-user environment. Stock items may exist in multiple stock locations with stock movements controlled by transaction. Comprehensive enquiry report and audit trail facilities are features of the system.

Functions: Stock edit; Stock enquiry; Order on supplier transactions; Goods inward transactions; Transfer transactions; Sales write-off transactions; Detailed stock report; Sales report; Outstanding order report.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 200:T04

COMMAND

Prepared on Digital's DECset Publishing System
Operating System: VMS
Keywords: *Bill of materials

COMMAND is a fully integrated distribution, accounting and manufacturing package. Packages are modules and most can be installed in a standalone mode.

The system operates on the full range of VAX hardware, with a minimum of 1-4 mb memory. It uses a data management system USER-11, a development tool, that allows for simple modification as well as ad-hoc enquiries and reports.

Features - Bill of Materials

Holds assembly structure to any number of levels. Provides cost build up information for management and accounting purposes. Full reporting on explosion and where used elements. Extensive maintenance facilities such as “mass replace” and “same as except for”.

Contact: Mike O’Hanlon
31-489
DATACOM SYSTEMS LTD
P.O. Box 6041
Auckland, New Zealand

SRC NO: 200:T05

COMMAND

Operating System: VMS
Keywords: *Production control *Shop floor control

COMMAND is a fully integrated distribution, accounting and manufacturing package. Packages are modules and most can be installed in a standalone mode.

The system operates on the full range of VAX hardware, with a minimum of 1-4 mb memory. It uses a data management system USER-11, a development tool, that allows for simple modification as well as ad-hoc enquiries and reports.

Prepared on Digital’s DECSset Publishing System
Creates and maintains production orders and routings for factory documentation and manufacturing control. Maintains detailed performance and cost data for every open order. Works order scheduling and work centre loading, help with production planning.

Rough cut planning and MRP are also available.

**Contact:** Mike O'Hanlon  
31-489  
DATACOM SYSTEMS LTD  
P.O. Box 6041  
Auckland, New Zealand

**SRC NO:** 200:T06

**COMMAND**

**Operating System:** VMS  
**Keywords:** *Distribution  *Inventory

COMMAND is a fully integrated distribution, accounting and manufacturing package. Packages are modules and most can be installed in a standalone mode.

The system operates on the full range of VAX hardware, with a minimum of 1-4 mb memory. It uses a data management system USER-11, a development tool, that allows for simple modification as well as ad-hoc enquiries and reports.

**Features:** Inventory Control

- An on-line standalone or integrated inventory control  
- Multiple warehouses  
- Perpetual stock checking  
- Flexible costing methods  
- Min/Max calculations  
- ABC Analysis

**Contact:** Mike O'Hanlon  
31-489  
DATACOM SYSTEMS LTD  
P.O. Box 6041  
Auckland, New Zealand

Prepared on Digital's DECset Publishing System
MANUFACTURING

SRC NO: 200:T07

GEC-DACS 4.1 SCADA PACKAGE
(Supervisory Control & Data Acquisition)

Operating System: VMS
Keywords: *Data collection *Process control *Production control *Real time

The GEC-DACS 4.1 is written in "C" and is a user configurable supervisory control and Data Acquisition package, designed for quick picture update and fast supervisory control.

Other features include:
- Multiple interactive colour graphics consoles
- Event triggering of special actions including control
- Historical trending, reporting and alarm logging
- Provision for adding user defined or applications specific algorithms
- Adaptable outstation communications interface

Contact: Peter Hill
(02) 887-6265
GEC DIGITAL
2 Giffnock Avenue
North Ryde, NSW, 2113

SRC NO: 200:T08

MAXCIM

Operating System: VMS
Keywords: *Accounting *Distribution *Inventory

This comprehensive manufacturing/financial planning and control system provides information for planning, reporting, and controlling manufacturing resources. Based on industry-accepted concepts of Manufacturing Resource Planning (MRPII), the MAXCIM System integrates information from manufacturing, marketing, finance, and engineering functions needed for comprehensive, yet precise, resource control.

The MAXCIM Manufacturing System is fully integrated with the MAXCIM Financial System through a common data base in which all related information is updated simultaneously by a single data entry. The MAXCIM

Prepared on Digital's DECset Publishing System
MANUFACTURING

Manufacturing System includes Inventory, Purchasing, Bills of Material, Work Order Status, Manufacturing Cost, Material Requirements Planning, Shop Routing, and Master Scheduling/Capacity.

The MAXCIM Financial System provides comprehensive financial planning and control by capturing and reporting all transactions needed to generate financial statements. The MAXCIM Financial System includes Order Entry/Invoicing, Sales Analysis, Accounts Receivable, Accounts Payable, General Ledger, and Fixed Assets.

Together the MAXCIM Manufacturing and Financial systems provide a corporation with a proven solution to maximise the productivity of manufacturing operations while minimising costs.

Contact: Chris Buttler
(02) 887-6222
GEC DIGITAL
2 Giffnock Avenue
North Ryde, NSW

SRC NO: 200:T09

IMPCON - MANUFACTURING

Operating System: VMS
Keywords: *Production control *Inventory

IMPCON is a comprehensive system for manufacturers. Modules include Inventory Management, Purchasing, Bill of materials, Costing, Works Orders, Shop Floor Control, Work in Progress, Capacity Planning. MRP Inventory Control down to bin and lot level Optional financial modules include General Ledger and creditors and debtors ledger. Invoicing and Order and Sales Analysis.

IMPCON operates on a real-time update basis. uses standard DEC files (RMS) and utilities. Data Dictionary and Report Writer options.

Language: Cobol
Memory Required: VMS 3MB Min, RSTS 1 MB Min
Distribution Media: Magnetic Tape

Contact: Peter Vroom
(08) 212-7577
COMPUTER MANAGEMENT CENTRE PTY LTD

Prepared on Digital’s DECset Publishing System
MANUFACTURING

Level 15, 55 Waymouth Street
Adelaide, SA, 5001

SRC NO: 200:T10

UNIGRAPHICS II

Operating System: VMS
Keywords: *CAD/CAM *Manufacturing *Programming tools
 *Robotics *Simulation

UNIGRAPHICS II from McDonnell Douglas of USA is a powerful, fully integrated 2 and 3D CAD/CAM/CAE software package. UNIGRAPHICS II is an advanced interactive graphics system with applications in many phases of the product development cycle, including engineering design, analysis, and simulation, drafting, and the generation of N C data for manufacturing.

By providing a common data base for all these activities UNIGRAPHICS II facilitates a smooth and rapid transition from initial concept to finished product. Supporting software modules cover Machining, Mechanisms, Finite Element Modeling, Sheet metal, Solid Modeling, Schematics, PCB and Robotics.

Contact:  R. Fill / G. Furbert
(09) 543-046
CAD/CAM SYSTEMS LIMITED
Box 9065
Newmarket, Auckland, New Zealand

SRC NO: 200:T11

MANMAN

Operating System: VMS
Keywords: *Bill of materials *Inventory *Order entry *Purchasing

MANMAN is a totally integrated MRP II Manufacturing system. It is written in Fortran, and runs on all VAX Computers including the Micro VAX II. Software is supplied either on cassette or 1600 BPI Tape. Modules include Inventory Control, BOM, Shop Floor Control, MPS, MRP, CRP,

Prepared on Digital's DECset Publishing System
Resource Planning, Purchasing, and Cost Accounting. These modules can be interfaced with seventeen other ASK/MANMAN products including Order entry, Accounts Receivable, Accounts Payable, and General Ledger.

Contact: Donald MacQuoid
(02) 923-1181
ASK COMPUTER SYSTEMS (AUSTRALIA) PTY LTD
Level 24, 100 Miller Street
North Sydney, NSW, 2060

SRC NO: 200:T12

MCBA

Operating System: VMS
Keywords: *Accounting *Distribution *Inventory *Warehousing

The MCBA Manufacturing/Distribution System is a fully integrated System which can be installed in a variety of combinations and sequences.

The package is written in DIBOL and requires a minimum of 256Kb memory. The system can be distributed on any standard DEC media.

Each package comes with a security system which allows up to 200 passwords. Multi company capabilities are also supported.

Modules are:
- Accounts payable
- Accounts receivable
- General ledger
- Customer order processing
- Inventory management
- Purchase order and receipting
- Payroll report writer
- Bill of materials processor job costing
- Labour performance
- Material requirements
- Planning
- Shop floor control
- Standard product costing
- Standard product routing

Contact: Robert Burns
(02) 212-6977

Prepared on Digital's DECset Publishing System
BUSINESS COMPUTER CENTRE
1/645 Harris Street
Ultimo, NSW, 2007

SRC NO: 200:T13

IMCS

Operating System: VMS
Keywords: *Accounting *Distribution *Inventory *Warehousing

IMCS is an easy to use, online, interactive, manufacturing, planning, and control system. Management and factory personnel have available instantaneous information concerning their operations. The results of this immediate and accurate information are better inventory levels, an increase in productivity of personnel and machines, and a higher level of customer service.

IMCS users are implementing successful manufacturing resource planning in six months. IMCS consists of six integrated modules that assist in all functions of the manufacturing process.

*The Inventory Management module maintains current information on inventory, locations, manufacturing, and purchase orders and allocations for manufacturing and purchase orders. *The Manufacturing Standards Database module supports the creation, maintenance, and reporting requirements for bills of materials and routings. *The Materials Requirements Planning module is a combination of online and batch processing. *The Shop Floor Control module provides the ability to optimise your manufacturing process. *The Purchase module provides the necessary control for purchasing receiving/inspection, as well as a batch interface to Accounts Payable. *The capacity Requirements Planning module, combined with MRP module, complete the loop for resource planning.

Options are available to incorporate into Inventory Management Batch or Lot control and warehouse multi-stocking.

Integration with a full Financial and Distribution Management system (TOLAS) is an added facility where required.

All modules are integrated. The VAX/VMS 4GL language, DATATRIEVE is available to access the Database and provide simple display and report writing facilities.

Prepared on Digital's DECset Publishing System
IMCS runs on DEC VAX computers in BASIC. included as part of the system are:


Contact: Robert Burns  
(02) 212-6977  
BUSINESS COMPUTER CENTRE  
1/645 Harris Street  
Ultimo, NSW, 2007
SRC NO: 210:T01

MRP

Operating System: VMS
Keywords: *Media

The PSI MRP series of computer systems have been developed to handle the vital tasks of research and analysis in the advertising and media industry. There is a PSI MRP System specifically configured to meet the individual needs of either radio, TV or media agency applications. The basic calculation of many of the packages concerns research relating to the exposure of advertising, music tracts, or programmes to a given audience.

Contact: Wayne Rutin
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 210:T02

TELESUBS

Operating System: VMS
Keywords: *Broadcasting  *Order entry

A PSI system providing order entry, debtors/creditors and a system to cover installation, service and disconnection of subscriber equipment specifically designed to assist the pay or cable TV operator.

Features include: Turnkey 3/4 - entire package, hardware, software training and installation; Billing coupon; Statements of account; Reminder notices; Service charges; Demand billing; Credit rating calculation; Multiple billing cycles.

Reports include: Billing histories; Multiple franchise abstracts; Deposit liability reports; Printed work orders; Service history and activity analyses.

Service Maintenance reporting system: Analysis of trouble location; Manpower reports; Personnel scheduling; Installation commitment control.

Prepared on Digital's DECset Publishing System
Contact: Wayne Ruting  
(02) 887-4144  
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED  
1st Floor, 11-17 Khartoum Road  
North Ryde, NSW, 2113

SRC NO: 210:T03

ADSERVICE

Operating System: VMS  
Keywords: *Broadcasting *Cost accounting

The Adservice System has been specifically designed by advertising people for advertising people, and then implemented on computer to provide a system which is extremely easy to use. The Basic Media System allows for the online entry of Media Schedules and the ability to make additions, changes and deletions to these schedules through a visual display terminal. The Production System allows for the total production process to be controlled by the computer from Job Requisition through to invoicing and payments. It provides job control reports, calculates charges for completed jobs, produces monthly invoices for jobs, completed or on a progressive basis, shows figures for cost control of incomplete jobs, produces invoices for partially billed jobs, produces details of production charges for Sales Ledger sales analysis, produces purchases summary details.

Contact: Wayne Ruting  
(02) 887-4144  
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED  
1st Floor, 11-17 Khartoum Road  
North Ryde, NSW, 2113

SRC NO: 210:T04

TRAFFIX

Operating System: VMS  
Keywords: *Broadcasting *Order entry *Sales analysis *Scheduling

Prepared on Digital's DECset Publishing System
The PSI TRAFFIX System provides a comprehensive Traffic Scheduling, Accounting, Management Information and Music System specifically designed for the Television and Radio Broadcasting Industry.

Features include: Order entry and Automatic scheduling of broadcast logs; Customer confirmation and verification or orders; Easy to change program schedule formats; Commercial availability analysis up to a year in the future; Future revenue analysis; Sales and management reports; Analysis by day, week, month and fiscal year; Flows to automatic invoicing at end of month; Comprehensive debtors, creditors and G/L systems; Accounts receivable; Analysis of sales performance; Comprehensive library of music; automatic or manual playlist; Automatic APRA and Tribunal Reports.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 210:T05

MUSIC

Operating System: VMS
Keywords: *Broadcasting

This system is designed predominantly for music oriented radio stations. For any radio station management concerned about improving the quality and consistency of their sound the PSI "MPI" System offers a new opportunity to achieve these goals for a modest investment.

Features include:
- The PSI MPI System will match tracks from the library to format and always consider artist separation, title separation and shift rotation.
- It will automatically rotate all current and gold tracks.
- It will automatically produce both APRA and Broadcasting Tribunal reports.
- When the new system is linked to the PSI Traffic system it can integrate to automatically feed information to automation switching systems.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED

Prepared on Digital's DECset Publishing System
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 210:T06

AUDIT

Operating System: VMS
Keywords: *Media

This system is designed for Advertising Agencies and large Advertisers to facilitate Media Post Analysis. The system accesses the research data provided by McNair Anderson Surveys for television stations and Bruce Tart telecast monitoring data. It analyses advertising schedules against the demographic data provided by McNair Anderson and reconciles it with post monitoring analysis from Bruce Tart.

The system provides a calculation of station averages, calculation of average audience and discrepancy analysis of booked schedules versus actual placement.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 210:T07

PPM

Operating System: VMS
Keywords: *Broadcasting

This system is a planning tool for programme directors of television stations. It provides a complete cross referenced library of telecast material and allows program planning for many months in advance using direct access to inventory files.

Prepared on Digital's DECset Publishing System
The system provides a history of ratings to assist planning and provides statistical analysis reporting. Movie and each episode within a series are held in the system. A special retrieval method is used to retrieve programs using a combination of attributes.

Each time an episode is selected for telecast it is updated in a continuous planning file which acts as a history file. Financial data on individual packages and programs is maintained and a range of reporting facilities are available including stock reports, history and ratings information.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113

SRC NO: 210:T08

MEDIAPLAN

Operating System: VMS
Keywords: *Media

The PSI Media Planning System is designed for use by all media planners whether agency, advertisers or media operators such as radio, television or press media.

The system allows the user to flexibly manipulate the information available for advertising planning. The survey results of chosen demographic groups are stored on disk together with rate card information and program details for placement of commercial advertisements.

The system provides the ability to enter campaign budgets by market, zone and period. The basic media planning calculations sort and rank available programs by cost efficiency to allow prompt entry of proposed commercial placements and comparative analysis of budgets. Resulting planning schedules can be converted to financial schedules as a part of the media system in the Adservice product. User generated manipulations and reports can be easily defined by means of a 4GL facility.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road

Prepared on Digital's DECset Publishing System
North Ryde, NSW, 2113

SRC NO: 210:T09

AUTOLINK

Operating System: VMS
Keywords: *Broadcasting

The automation link is designed to directly interface with program automations systems in both radio and television operations. It provides a direct link from the commercial computer system containing program information and cartridge details to automatically program and automation system. A variety of protocols are accommodated and the package supports all major automation system sold in Australia.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113
Office Information Systems
Overview

Emerging as the most important corporate goal in the 80's is the improvement of office productivity. Without this emphasis, companies will lose their competitive edge and government departments will fail to provide the service demanded of them.

Digital's ALL-IN-1 Office Information System and the other software products listed in this section provide the means to achieve this important objective.

ALL-IN-1 has captured the largest share of the world market for integrated office systems. It has earned this position and the praise of many independent consultants because of the ease with which it can be tailored to the needs of different organisations and individuals, because of the quality of its software ergonomics, and because it provides the best possible method for integrating many other applications on the VAX.

The important thing about all these office products is that their high functionality is complemented by their ease-of-use. Considerable value is gained by the manager of professional with minimal training or operational effort, and this is what productivity is all about.
EDE

Operating System: VMS
Keywords: *File transfer *Word processing

EDE is a menu-driven optional software product that resides on VAX/VMS systems. EDE facilitates the sharing of documents between VAX/VMS and Wang OIS systems. EDE enables users to convert WANG documents which have been transmitted to VAX/VMS into DECdx/VMS format and vice versa. Once converted, the document can be used on the system as if it had originated on that system. Documents sent to the WANG OIS from VAX/VMS go into the library for incoming communications transmissions.

The textual content and format of documents are preserved during conversion. However, since the capabilities of the word processing systems are not identical, and since some control information is not transmitted, some attributes and functions are not converted. Although EDE converts the files, the VAX 2780/3780 Protocol Emulator software makes the actual file transfer.

During installation, the customer can elect to install EDE either as an integral component of ALL-IN-1 Office Menu as well as a VAX/VMS product that can be invoked using DCL.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

DECTELEX

Operating System: VMS
Keywords: *Electronic mail *Telecommunications *Word processing

The DECtelex product which, apart from replacing the conventional TELEX typewriter and paper tape, enables all users with an ALL-IN-1 workstation to create telexes and have incoming telexes forwarded to them.

Prepared on Digital's DECset Publishing System
Major features of DECtelex include:
- Menu driven, enabling everybody familiar with ALL-IN-1 to create their own telexes
- Consistency and compatibility with other ALL-IN-1 functions
- Program assisted message creation, hereunder
  *On-line help facility; *Address recognition and validation; *User selectable message header
- On-line user telex directory
- Message confidentiality
- Automatic message filing
- Re-distribution of incoming telexes via electronic mail
- Report compilation on outgoing telexes

DECtelex consists of a user interface and an operator interface.

The user interface enables the user to create, edit and delete messages. In addition, the user can "queue" a created message for transmission via Telex and inquire on the status of queued messages.

The operator interface enables the operator to forward incoming messages, control the Telex queue, compile reports on outgoing telexes and perform general house keeping such as filing, purge of old telexes etc.

DECtelex works in conjunction with a hardware telex unit supplied by CASE. This unit is connected directly to the telex line in one end and uses one VAX terminal port in the other end.

Contact: Sales Department
  See rear of book for all Digital offices
  DIGITAL EQUIPMENT
  CORPORATION (AUSTRALIA)
  PTY LIMITED

SRC NO: 220:D03 DIGITAL SUPPORTED

EXTERNAL DOCUMENT EXCHANGE (EDE) WITH IBM DISOSS

Operating System: VMS
Keywords: *File Transfer *Word processing

External Document Exchange (EDE) with IBM DISOSS is a VAX/VMS layered product which allows the DIGITAL office automation user access

Prepared on Digital's DECset Publishing System
to text information contained in an IBM DISOSS/370 (Distributed Office Support System/370) document database. Users of either ALL-IN-1 Office Menu or DECdx/VMS software can search for, retrieve, file, or delete documents on the IBM DISOSS/370 host database. Thus a user can retrieve a document created by another user in an IBM SNA (Systems Network Architecture) office network environment, edit it locally on the DIGITAL system, distribute it through a DIGITAL office network, print it out or refill it in the DISOSS/370 document database.

Operation of EDE with IBM DISOSS is initiated through an easy to use menu interface which can be added to the ALL-IN-1 Office Menu or invoked from the DCL system prompt when used with DECdx. The functions supported correspond to the Document Library Services found in IBM's DISOSS/370 office applications. The user interface for operating the functions of search, file, retrieve and delete document were produced to be compatible with DIGITAL standard user interface requirements for office products. A context specific on-line help capability is included with the product.

Both DCA (Document Content Architecture) revisable form text and DCA final form text documents may be retrieved by EDE with IBM DISOSS. EDE with IBM DISOSS converts the IBM DISOSS DCA formatted text of these retrieved documents into DIGITAL Document Exchange (DX), DEC Standard Document File Format and stores the converted documents in the user's DECdx of ALL-IN-1 filing cabinet. Documents being sent from the DIGITAL system for filing in the IBM DISOSS system are converted from DX format into IBM DCA revisable form. ASCII and other text files can be sent from ALL-IN-1 and are converted into DCA final form documents prior to filing in the IBM DISOSS/370 database. When using the WPS-PLUS word processing editor under ALL-IN-1, conversions between WPS-PLUS and DX format occur without user intervention. Otherwise the Convert Document utility within ALL-IN-1 allows the conversion of documents to and from other formats used by ALL-IN-1. The search function of EDE and IBM DISOSS creates an index of DISOSS documents on the VAX system which are accessible to a user. This simplifies subsequent access to those documents since the user need only refer to this index (which contains reference to the DISOSS Library Assigned Document Name) to operate on the document in the DISOSS/370 database. Not all the format commands and print attributes can be converted between DX and DISOSS. The User's Manual lists the exceptions.

At the IBM host the system manager must define the DIGITAL External Document Exchange users to DISOSS. Communication between the

Prepared on Digital's DECset Publishing System
DIGITAL system running EDE with IBM DISOSS and the IBM system takes place over a DECSnet link to a DECSnet/SNA Gateway system and then over a SNA link to the particular IBM system.

Refer to SPD Number 26.92.00 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 220:D04 DIGITAL SUPPORTED

VAX DECslide

Operating System: VMS
Keywords: *Graphics

VAX DECslide is a menu-driven graphic presentation utility that runs on the VAX/VMS and MicroVMS Operating Systems. It is intended for individuals who create or prepare materials for in-house presentations. A combination of symbols and text are used for menu selection.

VAX DECslide uses an interactive interface so that diagrams and text are displayed as they are entered. Editing functions permit changes to slides as they are created or after they have been saved.

A strip (text) menu and message area at the bottom of the screen displays user options, help messages, and operation status. A directory feature lists the slides, including the date and time of creation, slide name, and comments.

After slides are created, they can be coloured with available colour palettes. They can be printed (single or double size format), saved (filed), copied, exported, changed or deleted.

Slides are saved in the current default VMS directory. Different directories can be used to group common slides together, and all are protected via the standard VMS protection mechanisms.

Contact: Sales Department
See rear of book for all Digital offices

Prepared on Digital's DECSert Publishing System
VAX DECgraph

Operating System: VMS
Keywords: *Decision support *Presentation aids

VAX DECgraph is a general purpose graphics plotting package that runs under the VAX/VMS and MicroVMS Operating Systems. VAX DECgraph allows users to create, change, display, and print graphs. Individuals will use VAX DECgraph for decision support and making presentations.

User Interface Features:

- An interactive keyboard interface to create, change and display charts
- Menu and submenus use symbols to display user options. Arrow keys are used to move to the different options. Once positioned on the desired option, the ACCEPT or RETURN key is used to select it. A message area at the bottom of the screen displays user information.
- A sample set of data files is supplied with the installation kit.
- Colour palettes can be used to select colours for the chart.
- On-line help facilities and task-oriented documentation.
- Ability to display an output file on any supported terminal device without running VAX DECgraph.
- Completed charts can be output from both interactive and non-interactive (VMS DCL) modes in either colour ReGIS, black and white ReGIS, or printer protocol formats.
- A VMS printer queue can be set up with a supported graphics printer to output printer protocol files.
- Application programmers can call VAX DECgraph from any VAX higher level language supporting the VMS calling standard.

VAX DECgraph can be used with VAX DATATRIEVE to manipulate data, then load and plot the values from the current collection.

Refer to SPD Number 26.07.06 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices

Prepared on Digital's DECset Publishing System
VAX DECslide

Operating System: VMS
Keywords: *Presentation aids

VAX DECslide is a menu-driven graphic presentation utility that runs on the VAX/VMS Operating System. It is intended for individuals who create or prepare materials for in-house presentations. A combination of symbols and text are used for menu selection.

VAX DECslide uses an interactive interface so that diagrams and text are displayed as they are entered. Editing functions permit changes to slides as they are created, or after they have been saved.

A strip (text) menu and message area at the bottom of the screen displays user options, help messages, and operation status. A directory feature lists the slides, including the date and time of creation, slide name and comments.

After slides are created, they can be coloured with available colour palettes. They can be printed (single or double size format), saved (filed), copied, exported, changed or deleted.

Slides are saved in the current default VMS directory. Different directories can be used to group common slides together, and all are protected via the standard VMS protection mechanisms.

Exported slides from VAX DECslide, "outputted" graphs from VAX DECgraph, and single-frame text files can be grouped into "slide trays" within presentation libraries.

Refer to SPD Number 26.11.04 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)

Prepared on Digital's DECset Publishing System
DECdx/VMS

Operating System: VMS
Keywords: *File transfer *Word processing

DECdx/VMS is a layered software product that resides on VAX/VMS host systems. DECdx/VMS enables WPS-8 based systems, both stand-alone and shared resource, and the host to be linked together for better system utilisation, document exchange, and information and data sharing.

Users of DECmates and other DIGITAL WPS-8 based systems can use DECdx/VMS to transfer documents between the WPS-8 system and the VAX/VMS host over a serial line interface. The WPS word processing document formats and print control characters are retained. During a DECdx/VMS session, the WPS-8 system operates as though it were another terminal on the host system.

Communication between the WPS-8 and VAX/VMS systems uses the DIGITAL Standard Document Exchange (DX) error-detecting and error-correcting protocol and file format.

Features include:
- Compatibility between WPS-8 documents and documents stored on VAX/VMS systems
- Shared access to documents for users with appropriate privileges
- Transfer of documents from DECmate to host
- Indexing facilities
- ADD function lets users add WPS-8 documents to DECdx/VMS index
- Three conversion utilities: *Old-to-New; *Document-to-File; *File-to-Document
- Printing facilities
- Extensive on-line help

Refer to SPD Number 26.36.01 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)

Prepared on Digital's DECset Publishing System
QTELEX

Operating System: VMS, RSX, MICRO-RSX, RSTS
Keywords: *Communications *Office Systems *Telecommunications

QTELEX is a data entry and control system for telex messages. It allows a time-sharing computer to be used for data preparation of outgoing telex messages. Incoming telexes are stored on disk, and can be distributed to users electronically or via hardcopy.

Key features of QTELEX:

- can be installed as a layered product under ALL-IN-1
- message format validation
- user specified time of transmission
- all telex messages are given a sequence number
- addresses are validated and converted to telex numbers
- confirmation copies of telexes
- automatic retry of failed telex transmissions
- audit trails
- message archiving and restoring
- retransmission of restored telexes
- queue status commands
- monthly accounting
- international telex supported
- paper tape output supported
- telegraph lines supported
- multiple telex lines per system
- Almgren AM700E telex interface support
- available under VMS, RSX, Micro-RSX, RSTS

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital’s DECset Publishing System
DECspell Verifier/Corrector

Operating System: VMS
Keywords: *Word processing

DECspell is Digital's sophisticated spelling verifier and corrector for VAX computers. Easy to use and interactive, DECspell is available in either American, English or British English. It has a master lexicon, or word list of over 80,000 words. DECspell's dictionary can be expanded with your own personal dictionary, and on VAX systems, with a number of shared dictionaries.

DECspell corrects a wide variety of spelling errors, including typographical errors and phonetic misspellings. It has the capability of automatically scanning text documents or files and detecting spelling errors. It also offers a list of suggestions from which the user can select the correctly spelled word for substitution.

Highlights:
- Sophisticated spelling verification and correction
- Option menu
- High degree of accuracy
- Fast and interactive
- British and American lexicons
- Personal and shared dictionaries
- Support for different document types
- Integrated with WPS–PLUS

VAX DECspell can verify:
- Sequential ASCII text files held on disk, such as those produced with EDT
- RUNOFF source files
- Word processing documents transferred to VAX/VMS by DECdx
- ALL–IN–1, Version 1.3 documents created with WP (Word Processing) and EM (Electronic Mail, Decmail only) options
- ALL–IN–1, Version 2.0 documents created with WP and EM options
- WPS–PLUS/VMS documents

DECspell is also available on DECmate workstations.

Refer to SPD Number 26.34.03 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT

Prepared on Digital's DECset Publishing System
WPS-PLUS/ALL-IN-1

Operating System: VMS
Keywords: *Word processing

WPS-PLUS/ALL-IN-1 is an optional document processing product for office professionals which is fully integrated into the ALL-IN-1 Office System. This means:

WPS-PLUS is completely integrated into the ALL-IN-1 menu system and can be installed as your default editor and selected from the ALL-IN-1 main menu.

WPS-PLUS can be used to create, edit, revise and spell check (with DECspell) your electronic mail messages, and will access the ALL-IN-1 electronic mail facility to distribute these messages.

WPS-PLUS documents can also be mailed as completely revisable documents with all formatting information (bolding, underlining, centering, etc) maintained.

WPS-PLUS is integrated with other ALL-IN-1 applications and lets the user cut and paste information between applications. Information created in Electronic Mail, Calendar, etc., can be included in a WPS-PLUS document or vice versa.

WPS-PLUS uses the ALL-IN-1 filing system, with a single file cabinet for each user, including folders and documents, and easy retrieval by keywords. Deleted documents are stored in a wastebasket until emptied by user.

WPS-PLUS/ALL-IN-1 Main Components include all the features outlined under WPS-PLUS/VMS, including:

- Technical and Scientific Character Set Support
- Full GOLD Key Style Word Processing Editing features
- List Processing, Sort and Math
- Two Dimensional Editor (for drawing diagrams, charts and creating equations)

Prepared on Digital's DECset Publishing System
DECTalk Mail Access

Operating System: VMS
Keywords: *Electronic mail

DECTalk Mail Access is a VAX/ALL-IN-1 software application which provides you with convenient access to your electronic mail from any telephone equipped for tone diaing. DECTalk Mail Access takes advantage of the high quality, text-to-speech capabilities of DECTalk.

DECTalk is a text to speech system which allows standard ASCII text to be converted to understandable speech. The synthetic speech produced by DECTalk can be output to a speaker or telephone.

From the telephone you can:
- Listen to all new mail messages or select specific mail for reading
- Delete mail messages
- Retrieve and listen to ALL-IN-1 documents
- Answer mail with a pre-written reply
- Stop, pause, resume, and repeat the reading of mail
- Adjust the speaking rate at which mail is being read
- In addition to mail messages, DECTalk Mail Access allows you to access text documents stored in your ALL-IN-1 file cabinet.

DECTalk provides remote access to electronic mail. Messages can be accessed remotely from home or while on-the-road, when a portable terminal or hardcopy device is impractical or not cost effective.

Contact: Sales Department

Prepared on Digital's DECset Publishing System
ALL-IN-1 OFFICE MENU

Operating System: VMS
Keywords: *Electronic mail *Menu handlers *Scheduling *Word processing

ALL-IN-1 is a customisable, menu-oriented, software product that provides generic office applications and a facility for integrating other business-oriented applications.

ALL-IN-1 provides an environment in which users access applications in a consistent manner. User's documents are stored in folders in the user's file cabinet where they are accessed from the office applications.

The generic office applications are built upon the base system facilities. These facilities are available when customising or developing applications that are to be consistent with the ALL-IN-1 environment.

Office Applications:
- Document Processing
- Electronic Messaging
- Time Management
- Desk Calculator
- File Cabinet Management
- Directories
- Flow Control
- File Cabinet

Refer to SPD Number 25.85.07 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
VAX DECjobmatch

Operating System: VMS
Keywords: *Electronic mail *Employment *Recruiting *Word processing

VAX DECjobmatch is a software application for applicant tracking, job requisition processing, and job matching that can help employers effectively administer their employment process. DECjobmatch is designed to help eliminate redundant data entry, reduce look-up time, and help control direct recruiting costs. DECjobmatch is a VAX based, VMS layered software product.

The applicant tracking function enables the personnel department to maintain accurate up-to-date records of job applicants, interview scheduling, and employment offers.

The job requisition processing function permits the personnel department to control requisition entry and content, to receive accurate, timely information concerning requisition status, and to track costs associated with filling openings, such as advertising, agency fees, and relocation.

DECjobmatch is able to match open jobs with applicants or applicants with job openings. It can perform matching based on criteria selected by the user.

DECjobmatch can produce reports for recruiters and managers and can extract information to produce form letters on a DIGITAL word processor.

In addition, DECjobmatch provides a function for employees to find jobs through the system. Employers can list open jobs so that employees can review them online. Employees can enter their resumes, print them, and forward them to recruiters.

DECjobmatch incorporates an application management function which enables a non-data processing person to tailor any of the reference tables and system parameters to the company's business requirements. The Application Manager can set up users and can establish certain user-defined fields.

Additionally, DECjobmatch interfaces to the following software products:

Prepared on Digital's DECset Publishing System
- ALL-IN-1 Office Menu
- DIGITAL Word processors (WPS-PLUS/VMS, DECtype, DECmate/WPS)
- VAX DATATRIEVE

Using DECjobmatch from ALL-IN-1 provides users with the convenience and added flexibility of office automation. Time management is particularly useful for scheduling interviews. DATATRIEVE's extensive capabilities may be used to produce custom reports. DATATRIEVE can be accessed directly from the DECjobmatch menu. To receive maximum benefit from DECjobmatch, a word processing system is highly recommended.

Refer to SPD Number 26.89.00 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 220:T01

CROSSWORD

Operating System: VMS
Keywords: *Down-line loading *File transfer *Personal computing
*Word processing

With CROSSWORD on your Digital minicomputer, you can convert word processing documents between WORD-11 and a variety of IBM PC word processing systems without losing the formatting features. This combines the benefits of a shared logic system with the freedom of choosing personal computer software that best suits individual requirements.

Currently, the following conversion options are available:

WORD-11; MultiMate and WORD-11; WordStar and MultiMate

The use of WORD-11 on the VAX increases the functionality of the product, but is not mandatory.

Prepared on Digital's DECset Publishing System
WORD-11

Operating System: VMS, RSTS/E
Keywords: *Calculation aids *Documentation *Mailing lists *Mathematics *Word processing

WORD-11 for multiuser, full function word processing. WORD-11 allows the integration of full-function word processing with other data processing applications. Unlike a number of other products, it doesn't kill your machine. WORD-11 has the reputation of being perhaps the most stable and "crash-resistant" word processing systems available for DEC users. It operates on the Professional 350 and 380, on PDP-11's under RSX and RSTS/E, and on the VAX under native mode VMS.

Features include the following:
- A Main Menu for access to all WORD-11 features including the definition of User Defined Keys, printing, transfer utilities, etc.
- An editor which allows highly sophisticated and user-friendly text editing based on the fast and efficient grammatical method of cursor movement.
- Printing of letter quality as well as rough draft output on a wide range of devices including laser printers.
- List Processing - provides extensive ability for selecting and merging of lists with forms. WORD-11 includes a versatile sort and a maths package to expedite report generation.
- Spelling Error Detection for the scanning of documents for spelling errors using user-defined dictionaries.

The system also includes facilities such as support for the scientific character set, 25 cut and paste areas for document re-organisation, automatic paragraph numbering, automatic table of contents and index, and journalling to recover after a system failure or operator error.
SRC NO: 220:T03

COMPUTEX

Operating System: VMS
Keywords: *Office systems

COMPUTEX is a comprehensive set of Private Videotex System modules and tools. Handles any type of terminal, i.e. Videotex, VT100/VT200, and PC. Interacts with ASCII (RMS) files and applications in any language. Incorporates full Videotex (Prestel) system features plus many options including keyword search, multi-database, multi-user group control, links to word processing, other Prestel systems, mainframes etc.

Specific application versions available e.g. Sales order and Sales force management system, Motor industry system etc. Has options such as very functional Electronic Mail sub-system.

Language: BASIC, "C"
Memory Required: VMS Min 3MB; RSTS Min 1 MB
Distribution Media: Magnetic Tape

Contact: Peter Vroom
(08) 212-7577
COMPUTER MANAGEMENT CENTRE PTY LTD
Level 15, 554 Waymouth Street
Adelaide, SA, 5001

Prepared on Digital's DECset Publishing System
Order Processing and Sales Management
ALL-IN-1 System for Sales And Marketing

Operating System: VMS
Keywords: *Electronic mail *Sales analysis *Word processing

The ALL-IN-1 System for Sales and Marketing is designed to provide a Sales and Marketing organisation with a set of tools to increase its productivity and effectiveness.

The System contains the following ten modules each of which performs functions related to different parts of the sales cycle.

- Lead Tracking
- Account and Contact information
- Opportunity Pipeline
- Sales Calls
- Expense Sheets
- Labour Activity Reporting
- Personnel Information
- Reports and Graphs
- Background Information
- Training

Computer-Based Instruction (CBI) and interactive help, both integrated parts of the Sales and Marketing System, are the primary tools for instructing users about the system. Because of this, documentation is limited to an Installation/System Manager's Guide and a User's Guide.

Pre-requisite Software: VAX/VMS Operating System; ALL-IN-1 Office Menu, Version 2.0; VAX DATATRIEVE; VAX FMS; VAX DECgraph; VAX Common Data Dictionary

Optional Software: VAX DECSpell Verifier/Corrector; VAX DECSlide; VAX DEC/MM; WPS-PLUS ALL-IN-1

Refer to SPD Number 26.80.00 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA) Pty Limited

Prepared on Digital's DECset Publishing System
IMS ORDER PROCESSING & SALES ANALYSIS

Operating System: VMS
Keywords: *Order entry  *Sales analysis  *Manufacturing

IMS ORDER PROCESSING & SALES ANALYSIS is a fully integrated, comprehensive system covering the areas of Manufacturing, Distribution and Financial Management. An Interactive Order Processing and Sales Analysis System which is integrated with IMS's Accounts Receivable System, thereby allowing on-line customer verification and credit checking. Billing and shipping information is retrieved along with customer cash discount terms, applicable product line discounts and sales tax information to be used in pricing order line items. OPSA supports Australian sales tax process including: on-line tax computation, General Ledger tax posting through Accounts Receivable and customer/product tax applicability reporting. The product/price data also allows conversion from sales model numbers to inventory item numbers enabling OPSA to interface to IMS's Inventory Management and Control System allowing for allocation and relief of stock.

The Order Processing system is integrated with the IMS MRP and Shop Floor Control modules.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

BOSSystem

Operating System: VMS
Keywords: *Spreadsheet

The ALL-IN-1 BOSSystem and its solution services are designed to satisfy the needs of ALL DEPARTMENTS (manufacturing, sales, engineering, research, administration, banking).

This is accomplished through a system that can manage, coordinate and direct any multi-user SPREADSHEET APPLICATIONS across a VAX

Prepared on Digital's DECset Publishing System
system network. Those applications are either customer developed or one of the fine solution applications included in the ALL-IN-1 BOSSystem (forecasting, budgeting, account actuals and reporting).

The BOSS's Menu - Allows managers to interface with a system through an executive format including executive data retrieval and executive "what if" analysis.

Spreadsheet Communications - ALL-IN-1 BOSSystem is the only integrated office system that allows live spreadsheet documents (data, formulas, analysis) to be sent across the organisation.

Easy to Use Database and Report Writer - A high speed database link facilitates data transfer from spreadsheet to database, database to spreadsheet, Report database to reports and database to graphs. This speeds the department data roll-up and report generation processes to a fraction of the time required in currently available office techniques.

The BOSSystem is comprised of integrated and tailorble sub-systems all of which are menu driven under ALL-IN-1.

- Registry Management System
- Data Management System
- Budgeting, Forecasting, Actuals, and Worksheet Systems
- Report Generating System
- Graph System

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 230:T01

INTEGRATED ORDER ENTRY & STOCK CONTROL SYSTEM

Operating System: VMS
Keywords: *Accounts receivable *Order entry

Suits On-line, Interactive (with some batch option) Database, Multi-user environment. All Invoices and stock movement transactions are processed online and interactively. Produces debtors ledger, provides

Prepared on Digital's DECset Publishing System
facility to process multiple cost centre locations, individual tax and rebate scales for each state and customers, automatic consolidation for summary reports, sales and stock analysis reports. Incorporates flexible database and screens, automatic logging and recovery, customisation to suit individual users.

Languages: COBOL/FMS/Cincom Total under conversion to Digital Rdb

Contact: Manager, Management Services
(02) 232-0366
AMATIL LTD
71 Macquarie Street
Sydney, NSW, 2000

SRC NO: 230:T02

MARKAS MARKET RESEARCH ANALYSIS & REPORTING

Operating System: VMS
Keywords: *Sales analysis

This system is used to analyse current sales, to assist in sales and production planning decision-making.

A sample of retail outlets is periodically selected and the purchases and existing stock-level is recorded for each brand at each outlet. This data is used to provide the analysis and comparison of consumption figures for each brand of goods for a marketing area.

These samples provide a base from which projections can be made to the company's own product sales, as well as to competitive products sales.

Languages: COBOL/DATATRIEVE

Contact: Manager, Management Services
(02) 232-0366
AMATIL LTD
71 Macquarie Street
Sydney, NSW, 2000

SRC NO: 230:T03

Prepared on Digital's DECset Publishing System
COMMAND

Operating System: VMS
Keywords: *Distribution *Order entry *Sales analysis

COMMAND is a fully integrated distribution, accounting and manufacturing package. Packages are modules and most can be installed in a standalone mode.

The system operates on the full range of VAX hardware, with a minimum of 1–4 mb memory. It uses a data management system USER-11, a development tool, that allows for simple modification as well as ad-hoc enquiries and reports.

Features:
- Sales Order Processing
- Full ordering and back ordering
- Integration to debtors, stock, general ledger if required
- Flexible pricing and discounting
- Multiple locations and departments
- Sales Analysis

Contact: Mike O'Hanlon
31-489
DATACOM SYSTEMS LTD
P.O. Box 6041
Auckland, New Zealand

SRC NO: 230:T04

IMPCON - DISTRIBUTION

Operating System: VMS
Keywords: *Distribution *Importers *Wholesalers

Sales Order Processing System with Invoicing and integration to Debtors and General Ledger and Order and Sales Analysis. Handles multiple stores locations, bin and lot control. Forecasting; Automatic recommendations; Open order enquiries and reports.

IMPCON operates on a real-time update basis for instant stock availability and credit checking uses standard DEC files (RMS) and Utilities. Data Dictionary and Report Writer options.

Prepared on Digital's DECset Publishing System
Language: Cobol
Memory Required: VMS 3MB Min, RSTS 1 MB Min
Distribution Media: Magnetic Tape

Contact: Peter Vroom
(08) 212-7577
COMPUTER MANAGEMENT CENTRE PTY LTD
Level 15, 55 Waymouth Street
Adelaide, SA, 5001
MAPS/Microlink

Operating System: VMS
Keywords: *Decision support *Down-line loading *Networking
*Spreadsheets

MAPS/Microlink — VAX to Micro Data Transfer Software

MAPS/Microlink is the first intelligent bridge between the PC-based spreadsheets and sophisticated decision support and accounting tools on the VAX. MAPS/Microlink permits users to transfer financial data between their PC-based spreadsheets and their centralised, VAX-based accounting and modelling data bases. Designed to work with MAPS/GL and MAPS/Model, MAPS/Microlink gives financial managers the ability to expedite financial planning and budgeting and to consolidated departmental budgets at a corporate level.

Contact: W. J. Talbot
(03) 616-1339
PRICE WATERHOUSE UREWICK
447 Collins Street
Melbourne, VIC, 3000
AUSTPAY

Operating System: VMS
Keywords: *Payroll

AUSTPAY is a flexible Payroll/Personnel package which requires minimum intervention from its Users. Many automatic facilities are provided, and can be overridden for any employee for any one pay period. These facilities include:

- Automatic payments, and or time entries
- Salary rate incrementing on birthday/hire date
- Unlimited allocation of wages to cost/accounts
- Entitlements checked and adjusted for sick leave, annual and long service leave
- Up to 1200 leave accruals
- Generation of history records for 1–9 years or life
- Loading of any hours type
- Allocation of public holidays
- Tax spread for any given period
- Unlimited allowances and deductions
- Comprehensive Personnel data
- Career path planning

AUSTPAY is written in Cobol, and distributed on tape. Both object and source code are delivered.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

VAX DECjobmatch

Operating System: VMS
Keywords: *Electronic mail *Employment *Recruiting *Word processing

Prepared on Digital's DECset Publishing System
VAX DECjobmatch is a software application for applicant tracking, job requisition processing, and job matching that can help employers effectively administer their employment process. DECjobmatch is designed to help eliminate redundant data entry, reduce look-up time, and help control direct recruiting costs. DECjobmatch is a VAX based, VMS layered software product.

The applicant tracking function enables the personnel department to maintain accurate up-to-date records of job applicants, interview scheduling, and employment offers.

The job requisition processing function permits the personnel department to control requisition entry and content, to receive accurate, timely information concerning requisition status, and to track costs associated with filling openings, such as advertising, agency fees, and relocation.

DECjobmatch is able to match open jobs with applicants or applicants with job openings. It can perform matching based on criteria selected by the user.

DECjobmatch can produce reports for recruiters and managers and can extract information to produce form letters on a DIGITAL word processor.

In addition, DECjobmatch provides a function for employees to find jobs through the system. Employers can list open jobs so that employees can review them online. Employees can enter their resumes, print them, and forward them to recruiters.

DECjobmatch incorporates an application management function which enables a non-data processing person to tailor any of the reference tables and system parameters to the company’s business requirements. The Application Manager can set up users and can establish certain user-defined fields.

Additionally, DECjobmatch interfaces to the following software products:

- ALL-IN-1 Office Menu
- DIGITAL Word processors (WPS-PLUS/VMS, DECtype, DECmate/WPS)
- VAX DATATRIEVE

Using DECjobmatch from ALL-IN-1 provides users with the convenience and added flexibility of office automation. Time

Prepared on Digital’s DECset Publishing System
management is particularly useful for scheduling interviews. DATATRIEVE’s extensive capabilities may be used to produce custom reports. DATATRIEVE can be accessed directly from the DECjobmatch menu. To receive maximum benefit from DECjobmatch, a word processing system is highly recommended.

Refer to SPD Number 26.89.00 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 250:T01

INTE-LINK PAYROLL/PERSOONNEL

Operating System: VMS
Keywords: *Civil engineering *Construction *Payroll *Project management

The INTE-LINK Financial Management System INTEGRates easily with Operations Systems and has LINKs to a wide range of end-user computing tools (see separate headings for other package modules). It is designed for major diversified organisations which require a single range of financial software for all business units. INTE-LINK packages have full mainframe package features which can be tailored to run efficiently on the full VAX range (Microvax to 8700).

Payroll/Personnel handles the complex award structures and rosters of many industries and is highly efficient in installation, data entry and processing. It is fully interactive and easy to use which makes it suitable for first time user locations.

It is installed in a number of Australia’s leading public companies and is supported Australia-wide by Eden Technology, an established software house with over 50 specialised VAX staff.

COBOL/TDMS – Demonstrations, literature and references available.

Contact: John Unite
(02) 236-6994

Prepared on Digital’s DECset Publishing System
EDEN TECHNOLOGY PTY LIMITED
3rd Floor, 275 George Street
Sydney, NSW, 2000

SRC NO: 250:T02

CHRIS

Operating System: VMS
Keywords: *Payroll

Frontier Software have produced two exciting products, CHRIS and CHRISPAY.

CHRIS - Customised Human Resource Management System offers Managers advanced software to satisfy the various functions of Human Resource Management, these being: Personnel Management, Leave Administration, Manpower Planning, Training and Development, Performance Appraisal, Workers Compensation, Salary Management and much more. KEY features include: An advanced security system, on line transactions for maintenance and enquiry, our own 'user friendly' report writer, pre-written standard reports and most important a solution implemented by a company that specialises in the product.

CHRISPAY - Payroll offers clients a complete integrated system with Personnel functions included. KEY features are: Multiple Pay Periods, Unlimited Deductions, Staff/Wage Processing, General Ledger Accounting Interface, Variable Disbursement Methods, Labour Costing, Unlimited History for on-line enquiries.

Other features of CHRISPAY include: Audit Reporting, Report Writer capabilities and security provisions.

LANGUAGE - It is written in COBOL including our report writer.

MEDIA DISTRIBUTION - Magnetic Tape, Streaming Tape (MICROVAX).

Contact: Michael Howard
(03) 678-731
FRONTIER SOFTWARE PTY LTD
419 Lonsdale Street
Melbourne, Vic, 3000

Prepared on Digital's DECset Publishing System
IPMS Integrated Personnel Management System

Operating System: VMS
Keywords: *Management *Payroll *Personnel

Integrated Personnel Management System consists of 8 modules. Major features include:

- PAYROLL FUNCTIONS - User-defined Aware Classification, Rates Deductions, Allowances, Shift Roster, Penalties and other pay components. System interpretation of Aware conditions, user-maintainable Tax Module, Payment by Cash, Cheque, CEMTEX.
- PERSONNEL MANAGEMENT FUNCTIONS - Establishment & Position Planning, provides multiple records per employee with essential information for management decision making.
- SUPERANNUATION FUNCTIONS - Provides deductions and contributions through Payroll, Multiple Fund.
- LEAVE MANAGEMENT FUNCTIONS - Provides unlimited types of holidays and absences.
- RETROSPECTIVE FUNCTIONS - Retrospective pay calculations adjustments.

All modules are integrated with provision to implement individual module. The system is Online, Interactive (with batch option), Database, Multi-threaded, Parameter drive. Operation through easy to use menu. Full customisation to suit individual customer requirements.

Languages: COBOL/DATATRIEVE, TDMS, DEC DBMS, CDD

Contact: Jasim Ahmed
(02) 232–0366
AMATIL LTD
71 Macquarie Street
Sydney, NSW, 2000

SRC NO: 250:T04

ACCORD

Operating System: VMS
Keywords: *Payroll

Prepared on Digital's DECset Publishing System
Minco's Human Resources Management System, ACCORD, has been designed to meet the requirements of the organisation employing a large and diverse workforce. Truly integrated, all data is captured and held by the system once only, and can be accessed by either or both the payroll and personnel functions as determined by the security profiles established by the user. The historic pitfalls of 'interfaced' pay and personnel systems becoming out-of-step are thus totally avoided.

ACCORD is a menu-driven system, based on tables, allowing users to set their own rules and terminology as appropriate to their company and award structures.

**Contact:** Gordon Jardine  
(07) 229-4300  
MINCOM PTY LTD  
Fl 12, AMP Place, 10 Eagle Street  
Brisbane, QLD, 4000
Publishing
DECset

Operating System: VMS
Keywords: *Government *Information management *Law *Printing

DECset is a VAX/VMS layered application software system for the development and execution of basic and advanced text processing. It provides a reliable, high performance environment for concurrent input, data conversion, editing, composition, and typesetting of text. In addition, DECset provides a comprehensive set of tools for the user development of electronic technical publishing applications. DECset interfaces to a number of industry standard photocomposers and laser-based printers.

System Elements include:
- Command Language
- On-Line User Aids
- Composition/Pagination Facilities
- Conditional/String Processing Features
- Customisable System Defaults
- User Customisable Data Translation (Optional)
- DIGITAL Word processing (WPS) Interface (Optional)
- Security Features
- Data Entry Flexibility
- Database Manager
- Intelligent Terminal and Editorial Software
- Proofing and Photocomposition output Drivers (Optional)

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

DECpage

Operating System: VMS
Keywords: *Presentation aids *Printing *Word processing

DECpage, is a VAX/VMS layered product accessible through ALL-IN-1 or directly from the DECpage/VMS interface. Utilising a laser printer, word

Prepared on Digital's DECset Publishing System
processed documents, and ReGIS-based graphics, DECpage produces high-quality text and graphics output without the need for text mark-up or graphic arts skills.

Employing variable size characters and normal, italic, and bold fonts in a variety of proportionally spaced typefaces, DECpage produces most types of standard office documents.

DECpage formats an entire document, with or without graphics, by performing automatic typeface selection, text justification, and pagination based on the user's selection.

DECpage supports all DECdx/VMS format word processing systems.

Refer to SPD Number 26.29.01 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 260:D03 DIGITAL SUPPORTED

LN01 FONT UTILITY

Operating System: VMS
Keywords: *Printing  *Word processing

The LN01 FONT UTILITY is a utility program designed to aid in the management, development, and usage of fonts for the LN01 laser printer.

The utility provides a mechanism for:
- Editing existing and creating new LN01 fonts.
- Combining text with LN01 fonts in a manner suitable for printing on the LN01 Laser Printer.
- Obtaining information about a particular LN01 font.
- Obtaining sample output using specified LN01 fonts.

The LN01 FONT UTILITY provides a font editing mechanism. The LN01 Font Editor is an interactive graphics editor that enables you to create and

Prepared on Digital's DECset Publishing System
edit fonts for printing with the LN01 Laser Printer. In many ways, using the 
Font Editor is similar to using a text editor such as EDT or other interactive 
utilities.

The LN01 FONT UTILITY provides a mechanism for combining a text file 
with one or more LN01 FONTS in a form suitable for printing on the LN01 
Laser Printer.

The LN01 FONT UTILITY provides a mechanism for obtaining information 
about LN01 font files.

The LN01 FONT UTILITY provides a mechanism for sampling a specific 
LN01 font. By using the SAMPLE qualifier, the user can obtain specific 
information on the makeup of the font file.

Refer to SPD Number 26.35.01 when requesting further information on 
this product from your local DIGITAL Sales Office.

Contact: Sales Department 
See rear of book for all Digital offices 
DIGITAL EQUIPMENT 
CORPORATION (AUSTRALIA) 
PTY LIMITED

SRC NO: 260:D04 DIGITAL SUPPORTED

WPS—PLUS/VMS

Operating System: VMS 
Keywords: *Word processing 

WPS—PLUS helps bring DECMate—style editing and ease of use to the 
VAX environment. It's a major step towards providing a common word 
processing bond among all DIGITAL's computer systems.

WPS—PLUS is a menu driven system which provides access to functions 
through a hierarchy of menus. Menu bypass is provided for the 
experienced user, allowing direct access to functions without 
intervening menus.

WPS—PLUS/VMS is a document processing software system that 
provides Gold Key style word processing for VMS users.

WPS—PLUS/VMS allows VMS users to:

Prepared on Digital's DECset Publishing System
- Create, edit and print documents
- Produce form letters, and maintain mailing lists
- File and retrieve documents by document name, number, or keyword
- Include data form a VMS application in a document
- Convert a WPS–PLUS document to a VMS file
- Use VMS mail to mail a document (which is first converted to a file)
- Include technical characters and scientific equations in a document
- Include diagrams, matrices and VT100 character set equations in a document
- Perform self training using computer-based instruction

WPS–PLUS/VMS, with separately purchased options, allows users to:
- Exchange documents with DECmate II and DECdx/VMS
- Integrate DECspell to verify and correct spelling and capitalisation while editing

For multivendor environments, WPS–PLUS can even edit documents created on a Wang OIS system. Using the optional External Document Exchange software, you can transfer Wang documents to a VAX and have them converted to a WPS–PLUS format. Once you edit or modify them through WPS–PLUS, you reconverrt and send them back to the Wang System.

Refer to SPD Number 26.27.02 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 260:T01

THE CORPORATE RETRIEVER

Operating System: VMS
Keywords: *Government *Information management *Library science *Office systems

The Corporate Retriever is a fully featured Text Retrieval System for the fast retrieval of documents from large numbers of text files. The system

Prepared on Digital's DECset Publishing System
is easy to use and has many advanced features including: A user defined Thesaurus, 6 logical operators, Section Names, Fixed data base fields, soundex facilities, wildcards.

The system indexes all words in the source documents with the exception of user defined common words. This indexing process is very fast and uses only 30% of the space occupied by the original text. Retrieval speed is also very fast. A typical search over 50MB of data takes less than 4 seconds.

The system is written in FORTRAN 77 and uses 256kb of memory. Distribution is a magnetic tape or flexible disk. The user manual is on-line and delivered indexed in the system.

Contact: Patrick Wood  
(07) 839-3544  
QCOM PTY LTD  
457 Upper Edward Street  
Brisbane, QLD, 4000

SRC NO: 260:T02

GENESIS PUBLISHING SYSTEM

Operating System: VMS  
Keywords: *Accounts payable  *Accounts receivable  *General ledger  
          *Sale analysis

GENESIS PUBLISHING SYSTEM software includes specialised typographic refinements and aesthetic controls including shape setting, sector and pair kerning, for the highest standards of a trade typesetting establishment, book pagination for the publisher and copyfit-area composition for magazines, in-plant publishing and sophisticated newspaper applications.

Cybergraphic delivers a complete system from design and development to comprehensive training and field support plus essential ingredients joining these functions. Publishers receive single source supply and support of applications software. Minimum memory requirements are four megabytes, utilising a VAX750. Original software and periodic updates can be supplied via magtapes or removable disk pack.

Minimum disk requirements are 80 megabytes, duplicated, to accommodate dual writing of typesetting database. GENESIS PUBLISHING SYSTEM software is written in Pascal.

Prepared on Digital's DECset Publishing System
Contact: Doug Crompton  
(03) 690-1911  
CYBERGRAPHIC SYSTEMS PTY LTD  
67 Buckhurst Street  
South Melbourne, VIC, 3205

SRC NO: 260:T03

TEXT ARM

Operating System: VMS  
Keywords: *Text management

The Text Archive System is a comprehensive library system designed for large text storage and retrieval. It has particular application in libraries, news and current affairs text archiving for media companies.

The system consists of story editor for entry of text, an enquiry module for retrieval, a dictionary and a thesaurus. When used in news or current affairs archiving it also maintains a tape library so that individual stories may reference physical material for retrieval from the Archive.

Key to the speed of access and retrieval from the Archive is a new tool called ARM (Associated Retrieval Method). This is a Database access method which allows retrieval of data records based on the information and content within those records. ARM provides a totally generalised retrieval method allowing a search for keys of any length or the association of key words, e.g., "Hawke" and "Reagan" is simple and fast.

Contact: Wayne Ruting  
(02) 887-4144  
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED  
1st Floor, 11-17 Khartoum Road  
North Ryde, NSW, 2113
PROJECT MANAGEMENT

SRC NO: 270:D01 DIGITAL DISTRIBUTED

MAPPS

Operating System: VMS
Keywords: *Project management *Scheduling

MAPPS is the collective name for the software products distributed by Digital.

MAPPS is a critical path based management tool that simultaneously processes time, costs and resources at both a corporate overview level and a project or detail level. MAPPS is available for the full range of Digital VAX Series computers operating under VMS and UNIX. MAPPS can handle 32000 activities, resources and connectors.

Special features include:
- ADM/PDM Networks, Event Scheduled Activities
- Milestones
- Multilevel Networks
- Global Edit
- Network Generation
- Simulator
- Ability to interconnect with other databases through MAPPIN and MAPPOUT
- Cost matrix budget spreadsheet
- Macro/Micro Rollup
- Multi-Network Resource Utilizer
- Cash reports over multiple networks
- Resource Leveller
- Multi-Network Interconnect and extensive graphical reporting through the Graf/Plot reporting module
- File compatibility with Quick-Plan on the Rainbow.

MAPPS represents the state of the art in computer aided project planning tools and is supported in Australia and New Zealand by the company that wrote it; Mitchell Management Systems Inc.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
RS/1

Operating System: VMS
Keywords: *Database management *Data conversion *Graphics
*Statistics

RS/1 (The Research System), developed by Bolt Beranek and Nominee, Inc., is a generalised data management system that handles the information needs of the research scientist. RS/1 data management features provide data storage and retrieval, data transformation and analysis, graphics, statistical analysis, curve fitting, and analytical models. Users can extend capabilities and tailor the system through a PL1-like structured programming language that is integrated into the data management features. RS/1 can interface to data-gathering systems, data base management systems, and other statistics packages. RS/1 capabilities are accessed through a command language that integrates the system's data management, data analysis, and graphics functions.

RS/1™ of Bolt Beranek and Nominee, Inc.

Refer to SPD Number A0.14.02 when requesting further information on this product from your local DIGITAL Sales Office.

Contact: Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

SRC NO: 280:T01

AUDAC

Operating System: VMS
Keywords: *Broadcasting

This product will have applications in radio stations for music and program surveys and general market surveys. In television it can be used for surveying programme performance and competitive position in the market. In advertising it can be used to research the effectiveness of a campaign or survey opinions on a product. The most important features of AUDAC are itemised below.

Prepared on Digital's DECset Publishing System
- Diary details can be entered into the customer online during a detailed telephone question and answer session or alternatively it can be handled from paper input resulting from telephone survey. It can also take input from detailed diaries which have been filled out by the survey group.
- The system has a basic tabular report which can analyse a ranged set of diaries into a cross analysis of raw scores or percentage of total. The user can specify the range of diaries to be included by a simple report request.
- The ranking report is designed to sort the survey in ranked order by a nominated answer.
- The history report is capable of plotting trends over time for a given value for nominated questions. This is useful for analysing the shape of audience response to programmes, product, music, etc.
- All of the reports noted above can have data skewing to compensate for sample variances and demographic weighting.

Contact: Wayne Ruting
(02) 887-4144
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
1st Floor, 11-17 Khartoum Road
North Ryde, NSW, 2113
Systems Management
DECACCT

Operating System: VMS
Keywords: *Billing

DECACCT is a software product which provides a Resource Management and Billing System for VAX/VMS users. DECACCT is distributed by Digital. DECACCT records information about the resources used by each individual account and user.

DECACCT Features:
- Multiple users, accounts
- Cost assignment by terminal type
- Multiple charge structure
- Simple, interactive system management
- Daily data collection
- Detailed billing by resource
- Operational management reporting
- Online enquiries by user

Contact:
Sales Department
See rear of book for all Digital offices
DIGITAL EQUIPMENT
CORPORATION (AUSTRALIA)
PTY LIMITED

Prepared on Digital's DECset Publishing System
CONTAINER YARD CONTROL SYSTEM

Operating System: VAX DSM(MUMPS)
Keywords: *Transportation

The system tracks every container movement from Vessel, Yard Location, Rail and Road Track. Individual modules include:


The system is designed to allow speedy access to information regarding Containers, their location and status; for Reporting purposes for both Ship and Container Operators and the Terminal Operators.

The application software is written in ANSI Standard Mumps (DSM) and is designed to run on both the PDP 11 and VAX Series of DIGITAL Computers.

Contact: A. Anderson
(02) 736-1711
DETENTE SYSTEMS
77 Majors Bay Road
Concord, NSW, 2137

CUSTOMS AGENTS SYSTEM

Operating System: VMS, RSTS/E
Keywords: *Cost accounting  *Financial management

The MARK II Customs Agency System is a major development from our most successful MARK I system. It is an on-line, interactive application package designed specifically for controlling both the operational and financial management aspects of the customs agency business. It is available both on a time-sharing and an inhouse basis.

On the operations side of the customs agency, the MARK II system takes over form the moment documents are received. It enables the agency to

Prepared on Digital's DECset Publishing System
register all operational details such as customer information, jobs and shipping details, and prints all necessary, documentation. Recorded details can also be accessed via a terminal to provide a job tracking facility at any time.

The Financial Management side of the MARK II system is, however, where Network's solution is differentiated from competing products. MARK II is not a modified general accounting system. It has been specifically designed to handle the unique disbursement control requirements of this industry. It handles the recovery of all disbursements; it performs the reconciliation of individual charges such as duty and freight; it has a separate advance debit accounting procedure; and it provides for the monthly calculation of suspense, work in progress, gross profit and mark-up. It additionally provides numerous outputs including invoices, statements, profit and loss status, and statistics.

The acceptability of this system can be gauged form our user base — there are currently over 30 users, many networked to our Sydney facility from as far away as Melbourne.

Contact: Rod McArter
(02) 211-2322
NETWORK COMPUTER SOFTWARE
6 Cunningham Street
Sydney, NSW, 2000

SRC NO: 320:T03

FREIGHT FORWARDING SYSTEM

Operating System: VMS, RSTS/E
Keywords: *Cost accounting *Financial management

This package has been designed specifically to address the requirements of International Freight Forwarding organisations. As with the MARK II Customs Agency System, it is an on-line, interactive system, available for use either on Network's time-sharing service or in-house.

FFS caters for both importing and exporting, whether by air or sea. It provides for both the operational and financial management needs of users, covering all aspects of the processing of freight consolidations.

Some of the key features of FFS include:
- Overseas currency management

Prepared on Digital's DECset Publishing System
280 TRANSPORTATION

- Debtor control
- Disbursement control
- Sales analysis and statistics

An optional General Ledger package may be interfaced to FFS if required.

Contact: Rod McArter  
(02) 211-2322  
NETWORK COMPUTER SERVICES PTY LIMITED  
6 Cunningham Street  
Sydney, NSW, 2000

SRC NO: 320:T04

PARTS CLASSIFICATION SYSTEM

Operating System: RSTS/E  
Keywords: *Cost accounting

The Parts Classification System (PCS) is an optional extension to the Customs Agency System, designed to provide customs agents with an automated method of classifying and costing shipments. The use of PCS is beneficial to agencies in many ways, the most important of which are as follows:

- PCS enables the users to define and classify entries so that entry into COMPILE is greatly simplified
- PCS provides fast and accurate costing information to the agent's customers about their shipments
- PCS provides for fast and simple identification of the effect of tariff changes
- PCS allows the customs agent to provide other vital importation analysis for his customers.

PCS products TLF code summaries for Customs, designed to meet COMPILE requirements. It handles currency conversions. Freight charges by value, weight and cubic capacity may be itemised or summarised, and other charges such as landing, agency, cartage and cost may be held by value. And the system keeps an audit trail of all transactions.

Contact: Rod McArter  
(02) 211-2322  
NETWORK COMPUTER SERVICES PTY LIMITED  
6 Cunningham Street

Prepared on Digital's DECset Publishing System
Sydney, NSW, 2000

SRC NO: 320:T05

FLEET MANAGEMENT SYSTEM

Operating System: VMS
Keywords: *Management  *Sales and marketing

Vehicle costs are one of the major costs to most companies – particularly to sales organisations. The costs need to be managed in the most efficient way.

Fleet Management System is designed to provide managers with detailed cost analyses, vehicle performance comparisons, cost centre comparisons and exception reporting.

The system is capable of analysing values for three different time periods to product reports:

1. Month-to-date values
2. A user defined period-to-date
3. Value since commissioning of the vehicle

Available not only to VAX computers (VAX BASIC Languages), but also been adapted to Digital’s PC350 and PC100 Personal Computers.

Contact: Manager, Management Services
(02) 232-0366
AMATIL LTD
71 Macquarie Street
Sydney, NSW, 2000

Prepared on Digital's DECset Publishing System
DECUS
OTHER SOURCES OF SOFTWARE

Digital Equipment Computer Users Society DECUS

One of the largest computer user societies in the world, DECUS, provides a service to members by maintaining a library of software submitted by other users who wish to make software available to the rest of the DIGITAL user base.

Software in the DECUS section of this book is available to any member of the Society at a nominal cost for media, transportation and handling. Any Digital customer is eligible for free membership. For information on membership and DECUS contact your local Digital office.

The following pages contain an index by category of software available through DECUS extracted from the 1985/1986 International DECUS Programme Library for VAX Software Catalogue. The code following each item is the reference number of the available software.
<table>
<thead>
<tr>
<th>Category Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOCAL/VMS</td>
<td>VAX-1</td>
</tr>
<tr>
<td>DL-11 Terminal Line Driver for VAX/VMS</td>
<td>VAX-2</td>
</tr>
<tr>
<td>Super Star Trek</td>
<td>VAX-3</td>
</tr>
<tr>
<td>PCDRIVER and Supporting ACP (PCACP)</td>
<td>VAX-4</td>
</tr>
<tr>
<td>STAT</td>
<td>VAX-5</td>
</tr>
<tr>
<td>SPICE2</td>
<td>VAX-6</td>
</tr>
<tr>
<td>NUCLUSTER.COM</td>
<td>VAX-7</td>
</tr>
<tr>
<td>MAZE</td>
<td>VAX-8</td>
</tr>
<tr>
<td>VT105GPA:VT105 Graphics Support Package</td>
<td>VAX-9</td>
</tr>
<tr>
<td>RSTS/E CCL Emulator for VAX/VMS</td>
<td>VAX-10</td>
</tr>
<tr>
<td>HORNET (A Star Trek Game)</td>
<td>VAX-11</td>
</tr>
<tr>
<td>EMPIRE: Ware Game of the Century</td>
<td>VAX-12</td>
</tr>
<tr>
<td>RSTS/E to VAX/VMS Batch Stream Conversion Utility</td>
<td>VAX-13</td>
</tr>
<tr>
<td>Lawrence Berkeley Labs Software Tools</td>
<td>VAX-14</td>
</tr>
<tr>
<td>CALC: A Calculator Program</td>
<td>VAX-15</td>
</tr>
<tr>
<td>NDTRAN2</td>
<td>VAX-16</td>
</tr>
<tr>
<td>TLP; Tape Library Program</td>
<td>VAX-17</td>
</tr>
<tr>
<td>Some Useful Command Files for VMS</td>
<td>VAX-18</td>
</tr>
<tr>
<td>Vulcan</td>
<td>VAX-19</td>
</tr>
<tr>
<td>TIME Calculator</td>
<td>VAX-20</td>
</tr>
<tr>
<td>FINDUIC: Program to Find Files Owned by UIC</td>
<td>VAX-21</td>
</tr>
<tr>
<td>GIGI Tool Kit</td>
<td>VAX-22</td>
</tr>
<tr>
<td>GETAUF:GET User Authorisation File Data</td>
<td>VAX-23</td>
</tr>
<tr>
<td>Disk Quota Information Backup Program</td>
<td>VAX-24</td>
</tr>
<tr>
<td>PROMPT</td>
<td>VAX-25</td>
</tr>
<tr>
<td>REFOR:FORTRAN Package for FORTRAN</td>
<td>VAX-26</td>
</tr>
<tr>
<td>Very Extended Integer Arithmetic</td>
<td>VAX-27</td>
</tr>
<tr>
<td>Disk Compress</td>
<td>VAX-28</td>
</tr>
<tr>
<td>Control C and Exception Trap Mechanism for VAX FORTRAM</td>
<td>VAX-29</td>
</tr>
<tr>
<td>Dynamic Linking Loader for VAX/VMS</td>
<td>VAX-30</td>
</tr>
<tr>
<td>APL for VAX/VMS from SCI</td>
<td>VAX-31</td>
</tr>
<tr>
<td>Common Pilot</td>
<td>VAX-32</td>
</tr>
<tr>
<td>DISKUSE: Disk Usage Statistics</td>
<td>VAX-33</td>
</tr>
<tr>
<td>QREQUEST: User Interaction with Device Queues</td>
<td>VAX-34</td>
</tr>
<tr>
<td>WORLD: A Two-Four Player War Game</td>
<td>VAX-36</td>
</tr>
<tr>
<td>Games, MTREK</td>
<td>VAX-37</td>
</tr>
<tr>
<td>INCLUDE File Generators</td>
<td>VAX-38</td>
</tr>
<tr>
<td>DODGEM: A Maze Game</td>
<td>VAX-39</td>
</tr>
<tr>
<td>MOLDYN: A Molecular Dynamics Package</td>
<td>VAX-41</td>
</tr>
<tr>
<td>VT125 and VAX-11 RGL Presentation</td>
<td>VAX-42</td>
</tr>
<tr>
<td>TEXT System for Technical Manuscript Preparation</td>
<td>VAX-43</td>
</tr>
<tr>
<td>KIC2: Integrated Circuit Layout Program</td>
<td>VAX-44</td>
</tr>
</tbody>
</table>

Prepared on Digital's DECset Publishing System
NEWPOKER: Video Poker Game VAX-45
IRGL: Interactive Graphics Package VAX-47
DMF32 Parallel Port Driver VAX-48
VMS and Fujitsu Micro-8 File Transfer Utility VAX-49
Library Procedures and Macros, Fermilab VAX-50
Code and Comment Line Counters VAX-51
"STANDARD" EDT Initializer VAX-52
BRDCST: REPLY/ALL Messages Sent to Bottom of Screen VAX-53
TIDY: A Program for Cleaning-up Shopsoiled VAX-54
Structured COBOL Programs VAX-55
STRIP VAX-56
BYTES VAX-57
PAM: Package for Analogue Modelling VAX-58
VIEW 3D: Three Dimensional Viewing Package VAX-59
STATSPLINE Programs VAX-60
Virtual/Logical Block I/O Utilities VAX-61
Forms Maintenance Screen for FMSV2 VAX-62
SYDISPLAY VAX-63
ABACUS: A Language for Interactive Scientific Computation VAX-64
ACCTING: Generation of VAX/VMS Accounting Reports VAX-65
NANNY (Binary) VAX-66
TAPEREQUEST VAX-67
Archive VAX-68
DEBUG 80: A Symbolic Debugger for Intel 8080/8085 VAX-69
SLY: A Program for Changing Process' Name and UID VAX-70
PRETTY: A Program for Formatting BLISS Source and Require Files VAX-71
CONQUEST VAX-72
Recording VT100 Input/Output Transactions to a File VAX-73
How to Lock Out Certain users from Using FORTRAN Compiler VAX-74
SETPRV: Privilege on Demand Utility VAX-75
VAX-11 DSM Routine Buffer Editor by using Screen Editor VAX-76
INFO: Performance Measurement Tool to Display Top CPU Procedure Within Program VAX-77
FILTRA: A File Transfer Program for the VAX VAX-78
ANSWERBAC: A Program for Printing the Contents of an Answerback Message VAX-79
IFMOD: Module Regeneration Utility Aid VAX-80
VASXACCTNG: A System Accounting Program VAX-81
CURRPARAM.COM: A Command Procedure For System Parameters VAX-82
MENU VAX-83
Documentation System VAX-84
<table>
<thead>
<tr>
<th>DECUS Category Index</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bibliography System</td>
<td>VAX-85</td>
</tr>
<tr>
<td>FORMATTER: A Text Formatter Program</td>
<td>VAX-86</td>
</tr>
<tr>
<td>Student Data Base</td>
<td>VAX-87</td>
</tr>
<tr>
<td>POE: A Virtual Memory Text Editor</td>
<td>VAX-88</td>
</tr>
<tr>
<td>Driver (Fast) for a DR11-B used in a DA11-B Mode for VAX/VMS</td>
<td>VAX-89</td>
</tr>
<tr>
<td>DECAL to DAL Translator</td>
<td>VAX-90</td>
</tr>
<tr>
<td>SPLICE: A Mixed-Mode Simulation Program</td>
<td>VAX-91</td>
</tr>
<tr>
<td>WOMBAT: A Netlist Comparison Program</td>
<td>VAX-92</td>
</tr>
<tr>
<td>SEDT: Full Function Screen Editor Program</td>
<td>VAX-93</td>
</tr>
<tr>
<td>Boeing 747 Flight Simulator</td>
<td>VAX-94</td>
</tr>
<tr>
<td>Usage Utilities for VAX/VMS</td>
<td>VAX-95</td>
</tr>
<tr>
<td>XMODEM: File Transfer Program</td>
<td>VAX-96</td>
</tr>
<tr>
<td>8080 Translator</td>
<td>VAX-97</td>
</tr>
<tr>
<td>INDEX: FORTRAN Cross - Referencer and Flow Chart Generator</td>
<td>VAX-99</td>
</tr>
<tr>
<td>SPRINT: A Program for SPSS na SPSS-X Users</td>
<td>VAX-100</td>
</tr>
<tr>
<td>Comprehensive VAX Demonstration Package</td>
<td>VAX-101</td>
</tr>
<tr>
<td>Command Recogniser Routines for VAX BASIC Programs</td>
<td>VAX-102</td>
</tr>
<tr>
<td>Source Manager and DCL Command Parsing Routines</td>
<td>VAX-103</td>
</tr>
<tr>
<td>Group Disk Usage Utility Program</td>
<td>VAX-104</td>
</tr>
<tr>
<td>SDSU-AskLib: User Prompt VAX FORTRAN-77 Routines</td>
<td>VAX-105</td>
</tr>
<tr>
<td>MAILIST: A Program to Develop a Mailing List</td>
<td>VAX-106</td>
</tr>
<tr>
<td>SPEED: Sketch Pad Economy EDiting System</td>
<td>VAX-107</td>
</tr>
<tr>
<td>BUDGET: A Bank Account Simulation Program</td>
<td>VAX-108</td>
</tr>
<tr>
<td>DISKUSAGE</td>
<td>VAX-109</td>
</tr>
<tr>
<td>AUTOLOG: Automatic Logoff Program</td>
<td>VAX-110</td>
</tr>
<tr>
<td>Autolog Utility</td>
<td>VAX-111</td>
</tr>
<tr>
<td>VAX STATISTICS</td>
<td>VAX-112</td>
</tr>
<tr>
<td>PC-8088 Collection No.4</td>
<td>V-SP-37</td>
</tr>
<tr>
<td>Symposium Tape from the RSX SIG, Fall 1984, Anaheim in VMS/BACKUP</td>
<td>V-SP-38</td>
</tr>
<tr>
<td>Symposium Tape from the VAX SIG, Fall 1984, Anaheim</td>
<td>V-SP-39</td>
</tr>
<tr>
<td>PRAXIS: AN Alternative to Ada</td>
<td>V-SP-40</td>
</tr>
<tr>
<td>PC-8088 Collection No.5</td>
<td>V-SP-41</td>
</tr>
<tr>
<td>PC-8088 Collection No.6</td>
<td>V-SP-42</td>
</tr>
<tr>
<td>Symposium Tape from the RSX SIG, Spring 1985, New Orleans in VMS/BACKUP</td>
<td>V-SP-43</td>
</tr>
<tr>
<td>Symposium Tape from the OA SIG, Spring 1985, New Orleans</td>
<td>V-SP-44</td>
</tr>
<tr>
<td>PC-8088 Collection No.7</td>
<td>V-SP-45</td>
</tr>
<tr>
<td>Symposium Tape from VAX SIG, Spring 1985, New Orleans</td>
<td>V-SP-46</td>
</tr>
<tr>
<td>PC-8088 Collection No.8</td>
<td>V-SP-47</td>
</tr>
<tr>
<td>KIC2 and CIF to STRM; STRM to CIF Utilities</td>
<td>VAX-44</td>
</tr>
</tbody>
</table>
| INFO: Software Development Tool Charts CPU Usage | }
<table>
<thead>
<tr>
<th>Software</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>by Procedure</td>
<td>VAX-77</td>
</tr>
<tr>
<td>VAXACCTNG: A System Accounting Program</td>
<td>VAX-81</td>
</tr>
<tr>
<td>DTRWHIZ: A Data Connectivity Utility</td>
<td>VAX-98</td>
</tr>
<tr>
<td>INDEX: FORTRAN Cross-Referencer and Flow Chart Generator</td>
<td>VAX-99</td>
</tr>
<tr>
<td>INDEX: FORTRAN Cross-Referencer and Flow Chart Generator</td>
<td>VAX-99</td>
</tr>
<tr>
<td>Command Recognizer for VAX BASIC Programs</td>
<td>VAX-102</td>
</tr>
<tr>
<td>SPEED: Sketch Pad Economy EDiting System</td>
<td>VAX-108</td>
</tr>
<tr>
<td>AUTOLOG: Automatic Logoff Program</td>
<td>VAX-111</td>
</tr>
<tr>
<td>RegIS DEC-RITE</td>
<td>VAX-114</td>
</tr>
<tr>
<td>RegIS Data Plotting Package</td>
<td>VAX-115</td>
</tr>
<tr>
<td>Productivity Tools Demonstration Package</td>
<td>VAX-116</td>
</tr>
<tr>
<td>Business Valuation System</td>
<td>VAX-117</td>
</tr>
<tr>
<td>CERBERUS: A Package to Enable the VMS System to Temporarily Grant Privileges to Non-privileged Users</td>
<td>VAX-118</td>
</tr>
<tr>
<td>PASCAL Development Software</td>
<td>VAX-119</td>
</tr>
<tr>
<td>LA100HCBS: LA100 CalComp Library</td>
<td>VAX-121</td>
</tr>
<tr>
<td>TCOPY: A High Speed Tape Copy Program</td>
<td>VAX-122</td>
</tr>
<tr>
<td>DR-11W VMS/RSX/RT Cornucopia</td>
<td>VAX-126</td>
</tr>
<tr>
<td>DYDRIV, DLDRIV: An RT-11/VMS File Transfer Utility</td>
<td>VAX-124</td>
</tr>
<tr>
<td>VSH: A Shell (Command Interpreter) for VAX/VMS</td>
<td>VAX-123</td>
</tr>
<tr>
<td>AKCOUNT: A VMS System Accounting Package</td>
<td>VAX-127</td>
</tr>
<tr>
<td>FORTRAN Programming Tools</td>
<td>VAX-129</td>
</tr>
<tr>
<td>Orthotron Testing and Data Storage Program</td>
<td>VAX-131</td>
</tr>
<tr>
<td>MASSGRAF: A Program that Generates Graphics Images</td>
<td>VAX-132</td>
</tr>
<tr>
<td>GRAF11: A Package to Graph Scientific Data</td>
<td>VAX-133</td>
</tr>
<tr>
<td>SCHEDULER: A Program to Manage All VAX System Activities</td>
<td>VAX-134</td>
</tr>
<tr>
<td>DVI to VDU: A TEX Page Previewer Program</td>
<td>VAX-135</td>
</tr>
<tr>
<td>Saint Joseph Plotting Programs</td>
<td>VAX-136</td>
</tr>
<tr>
<td>RELAX2.2: An Analysis of Metal-Oxide Semiconductor Integrated Circuits (MOS)</td>
<td>VAX-141</td>
</tr>
<tr>
<td>Differential Equations Software Package</td>
<td>VAX-142</td>
</tr>
<tr>
<td>SDCL: A Preprocessor for Structured VMS DCL</td>
<td>VAX-143</td>
</tr>
<tr>
<td>PVT: Print Video Terminal Command Procedure</td>
<td>VAX-144</td>
</tr>
<tr>
<td>IDSS: Interactive Decision Support System</td>
<td>VAX-145</td>
</tr>
<tr>
<td>WATCHDOG</td>
<td>VAX-146</td>
</tr>
<tr>
<td>Cherry Tree Workstation Bookings System</td>
<td>VAX-147</td>
</tr>
<tr>
<td>DIAL</td>
<td>VAX-149</td>
</tr>
<tr>
<td>VAXNET: A Communications Program</td>
<td>VAX-137</td>
</tr>
<tr>
<td>TECO File Manipulation Executives</td>
<td>VAX-138</td>
</tr>
<tr>
<td>TODIR: A Program to Allow the User to Move from One Directory to Another</td>
<td>VAX-140</td>
</tr>
</tbody>
</table>
PROGRAM TITLE INDEX
<table>
<thead>
<tr>
<th>Title</th>
<th>SRC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/P PLUS</td>
<td>10:T33</td>
</tr>
<tr>
<td>ACCORD</td>
<td>250:T04</td>
</tr>
<tr>
<td>ACCOUNTS PAYABLE</td>
<td>10:T25</td>
</tr>
<tr>
<td>ACCOUNTS PAYABLE SYSTEM</td>
<td>10:T01</td>
</tr>
<tr>
<td>ACCOUNTS RECEIVABLE</td>
<td>10:T26</td>
</tr>
<tr>
<td>ACCOUNTS RECEIVABLE &amp; CASH MANAGEMENT SYSTEM</td>
<td>10:T03</td>
</tr>
<tr>
<td>ACMS (Application Control &amp; Management System)</td>
<td>160:D04</td>
</tr>
<tr>
<td>ADABAS (The Adaptable Data Base)</td>
<td>160:T01</td>
</tr>
<tr>
<td>ADSERVICE</td>
<td>210:T03</td>
</tr>
<tr>
<td>ALL-IN-1 OFFICE MENU</td>
<td>220:D12</td>
</tr>
<tr>
<td>ALL-IN-1 System for Business Operations</td>
<td>120:D01</td>
</tr>
<tr>
<td>ALL-IN-1 System for Sales And Marketing</td>
<td>230:D01</td>
</tr>
<tr>
<td>ANYLAB</td>
<td>150:T02</td>
</tr>
<tr>
<td>ART</td>
<td>20:D03</td>
</tr>
<tr>
<td>ASAS (Atkins Stress Analysis System)</td>
<td>100:T31</td>
</tr>
<tr>
<td>ASASOFFSHORE (Atkins Stress Analysis System Offshore)</td>
<td>100:T33</td>
</tr>
<tr>
<td>ASSET REGISTER</td>
<td>10:T19</td>
</tr>
<tr>
<td>AUDAC</td>
<td>280:T01</td>
</tr>
<tr>
<td>AUDIT</td>
<td>210:T06</td>
</tr>
<tr>
<td>AUSTPAY</td>
<td>150:D03</td>
</tr>
<tr>
<td></td>
<td>250:D01</td>
</tr>
<tr>
<td>AUTOLINK</td>
<td>210:T09</td>
</tr>
<tr>
<td>BASEWAY</td>
<td>200:D06</td>
</tr>
<tr>
<td>BASEVIEW</td>
<td>140:D01</td>
</tr>
<tr>
<td>BASIS</td>
<td>160:D08</td>
</tr>
<tr>
<td>BLAST (Blocked Asynchronous Transmission)</td>
<td>30:T03</td>
</tr>
<tr>
<td>BMAS</td>
<td>10:T27</td>
</tr>
<tr>
<td>BOSSystem</td>
<td>230:D03</td>
</tr>
<tr>
<td>BRAVOI (CAD/CAM/CAE Systems)</td>
<td>100:T04</td>
</tr>
<tr>
<td>BSO (Boston Systems Office)</td>
<td>60:T12</td>
</tr>
<tr>
<td>CA-VIA-AD</td>
<td>60:T17</td>
</tr>
<tr>
<td>CADE</td>
<td>60:T14</td>
</tr>
<tr>
<td>CALMA-DRAFT™ Architecture Package</td>
<td>100:T16</td>
</tr>
<tr>
<td>CALMA-DRAFT™ Facilities Layout Package</td>
<td>100:T15</td>
</tr>
<tr>
<td>CASD</td>
<td>60:T16</td>
</tr>
<tr>
<td>CCLAS</td>
<td>160:T05</td>
</tr>
<tr>
<td>CDD (Common Data Dictionary)</td>
<td>160:D06</td>
</tr>
<tr>
<td>CHRIS</td>
<td>250:T02</td>
</tr>
<tr>
<td>CIVIL SITE PREPARATION PACKAGE</td>
<td>100:T18</td>
</tr>
<tr>
<td>COLOURED BOOKS</td>
<td>30:D03</td>
</tr>
<tr>
<td>COMMAND</td>
<td>200:T06</td>
</tr>
<tr>
<td></td>
<td>230:T03</td>
</tr>
<tr>
<td></td>
<td>200:T04</td>
</tr>
<tr>
<td></td>
<td>10:T10</td>
</tr>
<tr>
<td></td>
<td>10:T28</td>
</tr>
<tr>
<td></td>
<td>70:T01</td>
</tr>
<tr>
<td></td>
<td>10:T11</td>
</tr>
</tbody>
</table>

290 PROGRAM TITLE INDEX
<table>
<thead>
<tr>
<th>Title</th>
<th>SRC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPUTEX</td>
<td>200:T05</td>
</tr>
<tr>
<td>CONTAINER YARD CONTROL SYSTEM</td>
<td>220:T03</td>
</tr>
<tr>
<td>COURSEWARE AUTHORING SYSTEM</td>
<td>320:T01</td>
</tr>
<tr>
<td>COURSEWARE DESIGN SYSTEM</td>
<td>60:D23</td>
</tr>
<tr>
<td>CREDITORS SYSTEM</td>
<td>60:D24</td>
</tr>
<tr>
<td>CROSSWORD</td>
<td>10:T09</td>
</tr>
<tr>
<td>CSRDOC</td>
<td>220:T01</td>
</tr>
<tr>
<td>CUISINE</td>
<td>130:T03</td>
</tr>
<tr>
<td>CUPID</td>
<td>200:T02</td>
</tr>
<tr>
<td>CUSTOMS AGENTS SYSTEM</td>
<td>60:T03</td>
</tr>
<tr>
<td>D.L.S. DETENTE LABORATORY SYSTEM</td>
<td>320:T02</td>
</tr>
<tr>
<td>DATATRIEVE</td>
<td>150:T03</td>
</tr>
<tr>
<td>DDM (Design, Drafting &amp; Manufacturing)</td>
<td>160:D03</td>
</tr>
<tr>
<td>DEC health</td>
<td>100:T14</td>
</tr>
<tr>
<td>DEC MEDICUS</td>
<td>150:D02</td>
</tr>
<tr>
<td>DEC rad</td>
<td>150:T07</td>
</tr>
<tr>
<td>DECACCT</td>
<td>150:D01</td>
</tr>
<tr>
<td>DECALC</td>
<td>310:D01</td>
</tr>
<tr>
<td>DECdO/VMS</td>
<td>120:D02</td>
</tr>
<tr>
<td>DECISION</td>
<td>220:D07</td>
</tr>
<tr>
<td>DECpage</td>
<td>120:D03</td>
</tr>
<tr>
<td>DECset</td>
<td>260:D02</td>
</tr>
<tr>
<td>DECspell Verifier/Corrector</td>
<td>260:D01</td>
</tr>
<tr>
<td>DECTalk Mail Access</td>
<td>220:D09</td>
</tr>
<tr>
<td>DECTELEX</td>
<td>220:D11</td>
</tr>
<tr>
<td>DIMENSION III</td>
<td>220:D02</td>
</tr>
<tr>
<td>DIMENSION III Mapping Package</td>
<td>100:T28</td>
</tr>
<tr>
<td>DMG/NET</td>
<td>100:T19</td>
</tr>
<tr>
<td>DRGSIM (Dragline Simulation)</td>
<td>30:T02</td>
</tr>
<tr>
<td>EDE</td>
<td>80:T03</td>
</tr>
<tr>
<td>EDEN PROGRAMMER TOOLKIT</td>
<td>220:D01</td>
</tr>
<tr>
<td>EFFECTIVE GRAPHICS BUSINESS PRESENTATION AIDS</td>
<td>60:T15</td>
</tr>
<tr>
<td>ELECTRICAL SCHEMATICS PACKAGE</td>
<td>140:T01</td>
</tr>
<tr>
<td>EQINOX (CAD/CAM System)</td>
<td>100:T21</td>
</tr>
<tr>
<td>EQUIPMENT ARRANGEMENT PACKAGE</td>
<td>200:T01</td>
</tr>
<tr>
<td>ESTMAN</td>
<td>100:T26</td>
</tr>
<tr>
<td>EUCLID</td>
<td>40:T03</td>
</tr>
<tr>
<td>EVA/MINNIE</td>
<td>60:T40</td>
</tr>
<tr>
<td>EXTERNAL DOCUMENT EXCHANGE (EDE) WITH IBM DISOSS</td>
<td>120:T02</td>
</tr>
<tr>
<td>F/A PLUS</td>
<td>120:T01</td>
</tr>
<tr>
<td>FCS–EPS</td>
<td>120:T08</td>
</tr>
<tr>
<td>FCS–FINSTAT</td>
<td>10:D05</td>
</tr>
<tr>
<td>FINAR</td>
<td>220:D03</td>
</tr>
<tr>
<td>FINCOM</td>
<td>10:T04</td>
</tr>
<tr>
<td>FIXED ASSET CONTROL SYSTEM</td>
<td>320:T05</td>
</tr>
<tr>
<td>FLEET MANAGEMENT SYSTEM</td>
<td></td>
</tr>
</tbody>
</table>

PROGRAM TITLE INDEX  291
<table>
<thead>
<tr>
<th>Title</th>
<th>SRC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOCUS</td>
<td>60:T21</td>
</tr>
<tr>
<td>FREIGHT FORWARDING SYSTEM</td>
<td>320:T03</td>
</tr>
<tr>
<td>G/L PLUS</td>
<td>10:T32</td>
</tr>
<tr>
<td>GDS</td>
<td>60:T23</td>
</tr>
<tr>
<td></td>
<td>40:T05</td>
</tr>
<tr>
<td>GEC–DACS 4.1 SCADA PACKAGE</td>
<td>200:T07</td>
</tr>
<tr>
<td>GENERAL LEDGER</td>
<td>10:T24</td>
</tr>
<tr>
<td>GENERAL LEDGER &amp; FINANCIAL REPORTING SYSTEM</td>
<td>10:T02</td>
</tr>
<tr>
<td>GENERAL LEDGER SYSTEM</td>
<td>10:T17</td>
</tr>
<tr>
<td>GENESIS PUBLISHING SYSTEM</td>
<td>260:T02</td>
</tr>
<tr>
<td>GEODAS</td>
<td>100:T34</td>
</tr>
<tr>
<td>GEODRAW</td>
<td>100:T01</td>
</tr>
<tr>
<td>GEOLOG</td>
<td>100:T37</td>
</tr>
<tr>
<td>GLADYS Reinforced concrete design system</td>
<td>100:T32</td>
</tr>
<tr>
<td>GLEE</td>
<td>60:T20</td>
</tr>
<tr>
<td>GNK</td>
<td>160:T06</td>
</tr>
<tr>
<td>GRAPHICS 11</td>
<td>140:T03</td>
</tr>
<tr>
<td>HVAC Layout &amp; Design Package</td>
<td>100:T20</td>
</tr>
<tr>
<td>I–DEAS (Integrated Design Engineering Analysis Software)</td>
<td>100:T10</td>
</tr>
<tr>
<td>I–DEAS Experimental Methods Family (MODAL–PLUS/FATIGUE)</td>
<td>100:T02</td>
</tr>
<tr>
<td>I–DEAS Finite Element Modeling Family (FRAME)</td>
<td>100:T30</td>
</tr>
<tr>
<td>I–DEAS Finite Element Modeling Family (SUPERB)</td>
<td>100:T07</td>
</tr>
<tr>
<td>I–DEAS Finite Element Modeling Family (SUPERTAB)</td>
<td>100:T08</td>
</tr>
<tr>
<td>I–DEAS System Analysis Family (SYSTAN)</td>
<td>100:T03</td>
</tr>
<tr>
<td>I–DEAS System Design Family (GEOMOD)</td>
<td>100:T09</td>
</tr>
<tr>
<td>IMCS</td>
<td>200:T13</td>
</tr>
<tr>
<td>IMMGEN TISSUE TYPING</td>
<td>150:T01</td>
</tr>
<tr>
<td>IMPCON – DISTRIBUTION</td>
<td>230:T04</td>
</tr>
<tr>
<td>IMPCON – FINANCE</td>
<td>10:T30</td>
</tr>
<tr>
<td>IMPCON – MANUFACTURING</td>
<td>200:T09</td>
</tr>
<tr>
<td>IMS ACCOUNTS PAYABLE SYSTEM</td>
<td>10:D02</td>
</tr>
<tr>
<td>IMS ACCOUNTS RECEIVABLE SYSTEM</td>
<td>10:D01</td>
</tr>
<tr>
<td>IMS BILL OF MATERIALS</td>
<td>200:D01</td>
</tr>
<tr>
<td>IMS FINANCIAL REPORTING SYSTEM</td>
<td>10:D03</td>
</tr>
<tr>
<td>IMS INVENTORY MANAGEMENT AND CONTROL SYSTEM</td>
<td>200:D02</td>
</tr>
<tr>
<td>IMS MATERIAL REQUIREMENT PLANNING</td>
<td>200:D04</td>
</tr>
<tr>
<td>IMS ORDER PROCESSING &amp; SALES ANALYSIS</td>
<td>230:D02</td>
</tr>
<tr>
<td>IMS PURCHASING MANAGEMENT SYSTEM</td>
<td>200:D05</td>
</tr>
<tr>
<td>IMS SHOP FLOOR AND JOB COSTING SYSTEM</td>
<td>200:D03</td>
</tr>
<tr>
<td>INSPAC</td>
<td>170:T01</td>
</tr>
<tr>
<td>INTE–LINK ACCOUNTS PAYABLE</td>
<td>10:T22</td>
</tr>
<tr>
<td>INTE–LINK ACCOUNTS RECEIVABLE</td>
<td>10:T21</td>
</tr>
<tr>
<td>INTE–LINK BANK RECONCILIATION</td>
<td>10:T20</td>
</tr>
<tr>
<td>INTE–LINK GENERAL LEDGER</td>
<td>10:T23</td>
</tr>
<tr>
<td>INTE–LINK PAYROLL/PERSONNEL</td>
<td>250:T01</td>
</tr>
<tr>
<td>INTEGRATED ORDER ENTRY &amp; STOCK CONTROL SYSTEM</td>
<td>230:T01</td>
</tr>
<tr>
<td>Title</td>
<td>SRC No.</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>INTERFERENCE CHECKER</td>
<td>100:T22</td>
</tr>
<tr>
<td>INTERLISP</td>
<td>20:T05</td>
</tr>
<tr>
<td>IPMS Integrated Personnel Management System</td>
<td>250:T03</td>
</tr>
<tr>
<td>ISYS HOSPITAL ADMINISTRATION (ATS) SYSTEM</td>
<td>150:T05</td>
</tr>
<tr>
<td>JAS INTEGRATED ACCOUNT SYSTEM</td>
<td>10:T05</td>
</tr>
<tr>
<td>LN01 FONT UTILITY</td>
<td>260:D03</td>
</tr>
<tr>
<td>LOCUS</td>
<td>180:T01</td>
</tr>
<tr>
<td>LUSAS (Finite Element Stress Analysis System)</td>
<td>100:T05</td>
</tr>
<tr>
<td>MANMAN</td>
<td>200:T11</td>
</tr>
<tr>
<td>MANTIS (For the VAX)</td>
<td>60:T04</td>
</tr>
<tr>
<td>MAPPS</td>
<td>200:D09</td>
</tr>
<tr>
<td></td>
<td>270:D01</td>
</tr>
<tr>
<td>MAPS/AP</td>
<td>10:T15</td>
</tr>
<tr>
<td>MAPS/AR</td>
<td>10:T13</td>
</tr>
<tr>
<td>MAPS/DB</td>
<td>60:T11</td>
</tr>
<tr>
<td>MAPS/FA</td>
<td>10:T12</td>
</tr>
<tr>
<td>MAPS/GL</td>
<td>10:T16</td>
</tr>
<tr>
<td>MAPS/Microlink</td>
<td>240:T01</td>
</tr>
<tr>
<td>MAPS/MODEL</td>
<td>10:T14</td>
</tr>
<tr>
<td>MARKAS MARKET RESEARCH ANALYSIS &amp; REPORTING</td>
<td>230:T02</td>
</tr>
<tr>
<td>MATE</td>
<td>70:D02</td>
</tr>
<tr>
<td></td>
<td>10:D06</td>
</tr>
<tr>
<td>MAXCIM</td>
<td>200:T08</td>
</tr>
<tr>
<td>MCBA</td>
<td>200:T12</td>
</tr>
<tr>
<td>MEDIAPLAN</td>
<td>210:T08</td>
</tr>
<tr>
<td>MEdSystEm (Mine Evaluation &amp; Design System)</td>
<td>80:T01</td>
</tr>
<tr>
<td>MENUS</td>
<td>60:T18</td>
</tr>
<tr>
<td>MERLIN CLINICAL DATABASE</td>
<td>150:T06</td>
</tr>
<tr>
<td>MFASYS</td>
<td>10:T29</td>
</tr>
<tr>
<td>MIMS</td>
<td>160:T07</td>
</tr>
<tr>
<td>MINER 2</td>
<td>100:T36</td>
</tr>
<tr>
<td>MINESTAR</td>
<td>100:T35</td>
</tr>
<tr>
<td>MODEL (Decision Support System)</td>
<td>120:T03</td>
</tr>
<tr>
<td>MONITOR</td>
<td>60:T13</td>
</tr>
<tr>
<td>MOSS</td>
<td>100:T29</td>
</tr>
<tr>
<td></td>
<td>80:T05</td>
</tr>
<tr>
<td>MRP</td>
<td>210:T01</td>
</tr>
<tr>
<td>MSC/GRASP</td>
<td>100:T38</td>
</tr>
<tr>
<td>MSC/NASTRAN</td>
<td>100:T41</td>
</tr>
<tr>
<td>MTX</td>
<td>160:T04</td>
</tr>
<tr>
<td>MUDMAN</td>
<td>20:D07</td>
</tr>
<tr>
<td>Multi-TAB (Multi-user List Processing Utility)</td>
<td>160:T02</td>
</tr>
<tr>
<td>MUSIC</td>
<td>210:T05</td>
</tr>
<tr>
<td>NATURAL</td>
<td>60:T06</td>
</tr>
<tr>
<td>NESTCUT</td>
<td>100:T12</td>
</tr>
<tr>
<td>NUMERICAL CONTROL PACKAGE</td>
<td>100:T13</td>
</tr>
</tbody>
</table>

PROGRAM TITLE INDEX 293
<table>
<thead>
<tr>
<th>Title</th>
<th>SRC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NyPLAN (Financial Modelling and Spreadsheet System)</td>
<td>120:T05</td>
</tr>
<tr>
<td>PALETTE</td>
<td>100:T06</td>
</tr>
<tr>
<td>PARTS CLASSIFICATION SYSTEM</td>
<td>320:T04</td>
</tr>
<tr>
<td>PASCAL-2</td>
<td>60:T10</td>
</tr>
<tr>
<td>PATRAN</td>
<td>100:T39</td>
</tr>
<tr>
<td>PAYROLL SYSTEM</td>
<td>10:T18</td>
</tr>
<tr>
<td>PCLINK</td>
<td>30:T04</td>
</tr>
<tr>
<td>PIPING LAYOUT &amp; DESIGN PACKAGE</td>
<td>100:T25</td>
</tr>
<tr>
<td>PLASTICS DESIGN PACKAGE</td>
<td>100:T11</td>
</tr>
<tr>
<td>PLXY-11/VAX PLOT PACKAGE</td>
<td>60:D22</td>
</tr>
<tr>
<td>POWERHOUSE</td>
<td>60:T02</td>
</tr>
<tr>
<td>PPM</td>
<td>210:T07</td>
</tr>
<tr>
<td>PROCESS &amp; INSTRUMENTATION DIAGRAMS (P&amp;ID)</td>
<td>100:T27</td>
</tr>
<tr>
<td>PROFESSIONAL HOST TOOL KIT</td>
<td>60:D21</td>
</tr>
<tr>
<td>PROFESSIONAL HOST TOOL KIT BASIC-PLUS-2</td>
<td>60:D20</td>
</tr>
<tr>
<td>PROFESSIONAL HOST TOOL KIT COBOL-81</td>
<td>60:D19</td>
</tr>
<tr>
<td>PROFESSIONAL HOST TOOL KIT DIBOL</td>
<td>60:D18</td>
</tr>
<tr>
<td>PROFESSIONAL HOST TOOL KIT FORTRAN-77</td>
<td>60:D17</td>
</tr>
<tr>
<td>PROFESSIONAL HOST TOOL KIT FORTRAN-77 DEBUG</td>
<td>60:D16</td>
</tr>
<tr>
<td>PROFESSIONAL HOST TOOL KIT PASCAL</td>
<td>60:D15</td>
</tr>
<tr>
<td>PSEDIT</td>
<td>60:T08</td>
</tr>
<tr>
<td>QTELEX</td>
<td>220:D08</td>
</tr>
<tr>
<td>QUERY</td>
<td>60:T19</td>
</tr>
<tr>
<td>QUINTUS PROLOG</td>
<td>20:D04</td>
</tr>
<tr>
<td>Rdb/VMS</td>
<td>160:D05</td>
</tr>
<tr>
<td>RED BOOKS</td>
<td>30:D02</td>
</tr>
<tr>
<td>REMCOM</td>
<td>30:T01</td>
</tr>
<tr>
<td>RS/1</td>
<td>280:D01</td>
</tr>
<tr>
<td>S.1</td>
<td>20:D02</td>
</tr>
<tr>
<td>SAVER</td>
<td>130:T02</td>
</tr>
<tr>
<td>SCENARI/O</td>
<td>120:T07</td>
</tr>
<tr>
<td>SHARE REGISTRY, NOTES &amp; DEBENTURE SYSTEM</td>
<td>160:T03</td>
</tr>
<tr>
<td>SIMULATION ANALYSIS AND MODELLING</td>
<td>150:T08</td>
</tr>
<tr>
<td>SODA DIETARY ANALYSIS SPREADSHEET</td>
<td>150:T04</td>
</tr>
<tr>
<td>SOURCETOOLS</td>
<td>130:T01</td>
</tr>
<tr>
<td>STEEL DETAILING PACKAGE</td>
<td>100:T23</td>
</tr>
<tr>
<td>STEEL LAYOUT &amp; DESIGN PACKAGE</td>
<td>100:T24</td>
</tr>
<tr>
<td>STOCK</td>
<td>200:T03</td>
</tr>
<tr>
<td>STYLE</td>
<td>60:T01</td>
</tr>
<tr>
<td>SUBTERRANEAN MODELING PACKAGE</td>
<td>100:T17</td>
</tr>
<tr>
<td>SUPERCOMP-TWENTY</td>
<td>120:D04</td>
</tr>
<tr>
<td>SUPPLY</td>
<td>160:T09</td>
</tr>
<tr>
<td>TALPAC (Truck and Loader Productivity Assessment)</td>
<td>80:T02</td>
</tr>
<tr>
<td>TBASIC</td>
<td>60:T22</td>
</tr>
<tr>
<td>TECHLIB</td>
<td>190:D01</td>
</tr>
<tr>
<td>TELESUBS</td>
<td>210:T02</td>
</tr>
<tr>
<td>TEXT ARM</td>
<td>260:T03</td>
</tr>
</tbody>
</table>

294 PROGRAM TITLE INDEX
THE CORPORATE RETRIEVER
THE OPERATIONS & MAINTENANCE SYSTEM
TRACK50
TRAFFIX
UGEN (Accounts Payable System)
UGEN (Fixed Assets Accounting System)
UGEN (General Ledger & Financial Reporting System)
UGEN Financial Management Systems
ULTRA
UNIGRAPHICS II
UNIGRAPHICS II
USER II (Data Management for Applications Development System)
USER—11
VAX ADE
VAX COBOL GENERATOR
VAX DBMS Database Management System
VAX DEC/CMS
VAX DEC/MMS
VAX DEC/Shell
VAX DEC/TEST MANAGER
VAX DECgraph
VAX DECjobmatch
VAX DEC
VAX DECprom — Prom Programming Utility
VAX DECSlide
VAX FMS
VAX LANGUAGE SENSITIVE EDITOR
VAX LISP
VAX NTR
VAX OPS5
VAX PERFORMANCE AND COVERAGE ANALYZER
VAX PRODUCER
VAX PRODUCER interpreter
VAX RALLY
VAX Rdb/ELN — Relational Database Management System
VAX SPM
VAX TDMS
VAX TEAMDATA
VAX VTX (And VAX VALU)
VAX 11 DIAGNOSTIC PROGRAM MACROS LIBRARY
VAX 11 RSX
VAXset
VIA
VUE (Project Management System)

PROGRAM TITLE INDEX 295
<table>
<thead>
<tr>
<th>Title</th>
<th>SRC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VUE (Project Scheduling System)</td>
<td>40:T02</td>
</tr>
<tr>
<td>WCS</td>
<td>70:D01</td>
</tr>
<tr>
<td>WORD-11</td>
<td>200:D07</td>
</tr>
<tr>
<td>WPS-PLUS/ALL-IN-1</td>
<td>10:D04</td>
</tr>
<tr>
<td>WPS-PLUS/VMS</td>
<td>220:T02</td>
</tr>
<tr>
<td>XPAC (Excavation Planning System)</td>
<td>220:D10</td>
</tr>
<tr>
<td></td>
<td>260:D04</td>
</tr>
<tr>
<td></td>
<td>80:T04</td>
</tr>
</tbody>
</table>
SUPPLIERS CATEGORY INDEX
ACCESS COMPUTING PTY LTD
Construction
Financial Management

AMATIL LTD
Information Management
Management
Order Processing & Sales Management
Transportation

APPLIED COMPUTING
Information Management

ASK COMPUTER SYSTEMS (AUSTRALIA) PTY LTD
Manufacturing

AUTOMATION TECHNOLOGY PTY LTD
Manufacturing

AVEC TECHNOLOGIES PTY LTD
Information Management

BADE DRAPER ASSOCIATES LTD
Accounting
Financial Management

BUSINESS COMPUTER CENTRE
Manufacturing

CABLE ON-LINE COMPUTER SERVICES PTY LTD
Development Tools

CAD/CAM Systems Limited
Construction
Development Tools
Graphics
Manufacturing

CALMA AUSTRALIA, DIV. OF AUSTRALIAN GENERAL ELECTRIC (SALES) PTY LTD
Engineering

CCE SOFTWARE SYSTEMS
Information Management

CINCOM SYSTEMS OF AUSTRALIA PTY LTD

Prepared on Digital's DECSet Publishing System
Development Tools

COMLABS SERVICES PTY LTD
Information Management

COMMERCIAL DATA PROCESSING LIMITED
Development Tools

COMPUMOD PTY LTD
Engineering

COMPUTER MANAGEMENT CENTRE PTY LTD
Accounting
Financial Management
Manufacturing
Office Systems
Order Processing & Sales Management

COMPUTER MODELS
Health Care

COMPUTER POWER PTY LTD
Development Tools

CSR LIMITED
File Management

CYBERGRAPHIC SYSTEMS PTY LTD
Publishing

DATACOM SYSTEMS LTD
Accounting
Distribution/Logistics
Manufacturing
Order Processing & Sales Management

DETENTE SYSTEMS
Health Care
Transportation

DEXTRA SYSTEMS PTY LIMITED
Accounting

DIGITAL EQUIPMENT
Accounting
Artificial Intelligence

Prepared on Digital's DECset Publishing System
Communications  
Construction  
Development Tools  
Distribution/Logistics  
Financial Management  
Graphics  
Health Care  
Information Management  
Library Science  
Manufacturing  
Office Systems  
Order Processing & Sales Management  
Personnel  
Project Management  
Publishing  
Research  
Systems Management  

EDEN TECHNOLOGY PTY LIMITED  
   Accounting  
   Development Tools  
   Personnel  

EPS SOFTWARE CONSULTANTS PTY LTD  
   Financial Management  

FRONTIER SOFTWARE PTY LTD  
   Personnel  

GE SOFTWARE INTERNATIONAL  
   Accounting  

GEC DIGITAL  
   Manufacturing  

HI-COM SOFTWARE  
   Development Tools  

IMMUNOCOMPUTERS  
   Health Care  

JBA INFORMATION SYSTEMS  
   Accounting  
   Development Tools  

KILPATRICK GREEN PTY LTD  

Prepared on Digital's DECset Publishing System
Construction

LAW DATA SERVICES
   Law

MCC CONSULTING GROUP PTY LIMITED
   Accounting
   Financial Management
   Insurance

McCAYLEY & SCHMALZBACH
   Health Care

McCORMACK & DODGE AUSTRALIA PTY LIMITED
   Accounting

METECH
   Earth Resources

MINCOM PTY LTD
   Engineering
   Information Management
   Personnel

MINI COMPUTER SYSTEMS PTY LTD
   Communications
   Development Tools
   Earth Resources

MURDOCH UNIVERSITY
   Health Care

NETWORK COMPUTER SOFTWARE PTY LIMITED
   Accounting
   Communications
   Development Tools
   File Management
   Graphics
   Office Systems
   Transportation

PA COMPUTERS & TELECOMMUNICATIONS
   Development Tools

PALETTE SYSTEMS
   Engineering
PAPERWORK SYSTEMS INC. (GROUP) PTY LIMITED
    Accounting
    Communications
    Development Tools
    Manufacturing
    Media
    Publishing
    Research

PRICE WATERHOUSE URWICK
    Accounting
    Development Tools
    Personal Computing

PRO MEDICUS PTY LTD
    Health Care

PROVEN SYSTEMS PTY LTD
    Construction
    Financial Management

QCOM PTY LTD
    Publishing

ROY STEPAN
    Development Tools

SAMAKA (AUST) PTY LTD
    Health Care

SCHLUMBERGER SYSTEMS PTY LTD
    Engineering
    Manufacturing

SCHRODER, DARLING AND COMPANY LIMITED
    Financial Management

SPL (AUSTRALIA) PTY LIMITED
    Development Tools
    Information Management

SUPPORTWARE
    Construction

TECHNICAL SYSTEMS AUSTRALIA PTY LTD
    Engineering

Prepared on Digital's DECset Publishing System
TECROSOFT PTY LTD
  Engineering

TRI–DATA CORPORATION PTY LTD
  Communications

TRITEK
  Earth Resources
  Engineering
DIGITAL OFFICES
Digital Office Locations in Australia
And New Zealand

AUSTRALIA:

ADELAIDE
27 Greenhill Road,
Wayville, S.A. 5034
P.O. Box 81, Goodwood, S.A. 5034
TEL:(08) 274 2222
TWX:82825, RCS:ADEL, LOC:ADO
SAD:108

ALBURY
2nd Floor, 553 Kiewa Street
Albury, N.S.W. 2640
TEL:(060) 21 5306
RCS:SYDA, LOC:UWO, SAD:105

ARMIDALE
Computer Centre,
University of New England,
Armidale, N.S.W. 2351
TEL:(067) 72 5877
RCS:SYDA, LOC:UNO, SAD:119

ARTARMON
CSS
608 George Place,
Artarmon, N.S.W. 2064
P.O. Box 384, Chatswood, 2067
TEL:(02) 412 5252
TWX:23226, RCS:SNSS, LOC:SNA

SD&D
6-8 George Place,
Artarmon, N.S.W. 2067
P.O. Box 348, Chatswood, 2067
TEL:902) 412 5252

DARWIN
Stuart Highway, Winnellie,
Darwin, N.T. 5789
TEL:(089) 84 4953
TWX:85410, RCS:DARW
LOC:DAO, SAD:112

DUBBO
Suite 3, Commonwealth Bank
Building, 88-90 Macquarie St,
Dubbo, N.S.W. 2830
TEL:(068) 820366
RCS:SYDA, SAD:118

EASTWOOD
18 Glen Street, Eastwood,
N.S.W. 2122
P.O. Box 384, Chatswood, 2067
TEL:(02) 412 5252
RCS:SYDA

HOBART
229 Elizabeth Street,
Hobart, TAS, 7000
TEL:(002) 34 8622
TWX:58215, RCS:TASM,
LOC:TOZ
SAD:101

LAUNCESTON
Unit 1, 23 Brisbane Street,
Launceston, TAS, 7250
TEL:(003) 31 3028
RCS:TASM, LOC:UAO
SAD:114

Prepared on Digital's DECset Publishing System
MACKAY
1st Floor, T.J. Leonard
Building,
44 Gordon Street,
Mackay, QLD, 4740
TEL:(079) 57 6039
RCS:SYDA, LOC:GEO, SAD:114

MELBOURNE
836 Whitehorse Road,
Box Hill, VIC, 3128
TEL:(03) 895 9595
TWX:30700, RCS:MELB
LOC:MEO, SAD:103

NEWCASTLE
Unit 7, 57 Crescent Road,
Waratah, N.S.W. 2298
TEL:(049) 67 5133
TWX:28612, RCS:NCSL
LOC:NLO, SAD:115

ROCKHAMPTON
63 High Street,
North Rockhampton, QLD, 4701
TEL:(079) 28 9577
RCS:RWOX, LOC:RWO,
SAD:116

ROSEBERRY (Warehouse)
112-118 Dunning Avenue,
Roseberry, N.S.W. 2018
P.O. Box 384, Chatswood,
2067
TEL:(02) 693 2199
RCS:SYDA, SAD:110

SOUTH PACIFIC REGIONAL HEAD OFFICE:

SYDNEY
North Tower, Chatswood Plaza,
Railway Street, Chatswood, N.S.W.
2067

TOWNSVILLE
1st Floor, Commonwealth Bank
Building,
Nathan Street, Aitkenvale,
308 DIGITAL OFFICES

P.O. Box 384, Chatswood, 2067
TEL:(02) 412 5252
TWX:20740, FAX:(02) 411 3582
RCS:SYDA, LOC:SNO

QLD, 4814
P.O. Box 760, Aitkenvale, 4814
TEL:(07) 75 2022
TWX:47226, RCS:TOWN,
LOC:TVQ
SAD:117

WOLLONGONG
8–10 Crown Street,
Wollongong,
N.S.W. 2500
TEL:(042) 28 4100
RCS:WOLL, LOC:WGO,
SAD:104

NEW ZEALAND:

AUCKLAND
162–164 Grafton Road,
Auckland, P.O. Box 8610
TEL:(64–9) 39 3940
TWX:2726, FAX:(64–9) 39 4039
RCS:AUCK, LOC:NZO, SAD:120

HAMILTON
Murray North Building
240 Tristram Street,
Hamilton, N.Z.
P.O. Box 474, Hamilton, N.Z.
TEL:(64–71) 39 4411
RCS:HAMT, LOC:HMO, SAD:123

CHRISTCHURCH
78 Peterborough Street,
Christchurch, N.Z.
TEL:(64–3) 5 0619
TWX:4958, RCS:CCH, LOC:CCO
SAD:121

PALMERSTON
State Insurance Building
61–75 Rangitikei Street
Palmerston North, N.Z.
P.O. Box 959, Palmerston North
TEL:(64–63) 8 9811
RCS:NTPN, LOC:PZO, SAD:124

DUNEDIN
56 York Place, Dunedin, N.Z.
P.O. Box 1016, Dunedin
TEL:(64–24) 77 8969
RCS:DUNE, LOC:DUO, SAD:122

WELLINGTON
169 The Terrace, Wellington,
N.Z.
P.O. Box 1300 Wellington, N.Z.
TEL:(64–4) 72 8286
RCS:WELL, LOC:WEO, SAD:125

Prepared on Digital's DECset Publishing System
BUSINESS REPLY POST
 Permit No. 11 issued at Chatswood
 Postage & fee will be paid on delivery to:

Third Party Marketing Group (11/4)
Digital Equipment Corporation
(Australia) Pty. Limited
P.O. Box 384
Chatswood N.S.W. 2067 Australia