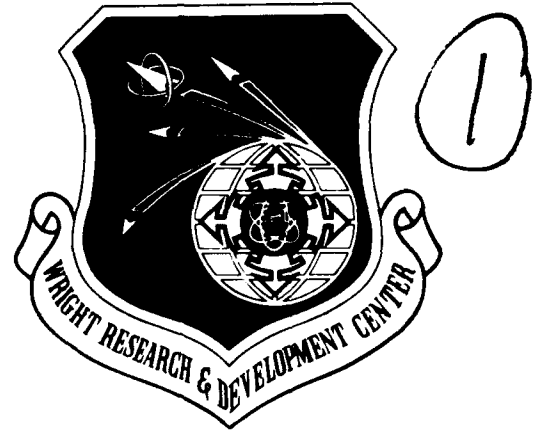


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WRDC-TR-90-8007  
Volume III  
Part 5



INTEGRATED INFORMATION SUPPORT SYSTEM (IISS)  
Volume III - Configuration Management  
Part 5 - System User Manual

M. Foster

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Integration Technology Services  
2970 Presidential Drive  
Fairborn, OH 45324-6209

September 1990

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Final Report for Period 1 April 1987 - 31 December 1990

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MANUFACTURING TECHNOLOGY DIRECTORATE  
WRIGHT RESEARCH AND DEVELOPMENT CENTER  
AIR FORCE SYSTEMS COMMAND  
WRIGHT-PATTERSON AIR FORCE BASE, OHIO 45433-6533

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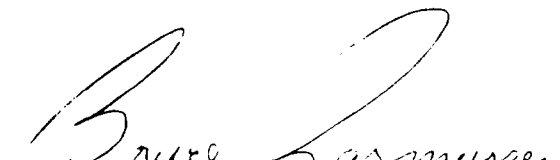
This technical report has been reviewed and is approved for publication.

This report is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nations

  
DAVID L. JUDSON, Project Manager  
WRDC/MTI  
Wright-Patterson AFB, OH 45433-6533

25 July 91  
DATE

FOR THE COMMANDER:

  
BRUCE A. RASMUSSEN, Chief  
WRDC/MTI  
Wright-Patterson AFB, OH 45433-6533

25 July 91  
DATE

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FOREWORD

This technical report covers work performed under Air Force Contract F33600-87-C-0464, DAPro Project. This contract is sponsored by the Manufacturing Technology Directorate, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio. It was administered under the technical direction of Mr. Bruce A. Rasmussen, Branch Chief, Integration Technology Division, Manufacturing Technology Directorate, through Mr. David L. Judson, Project Manager. The Prime Contractor was Integration Technology Services, Software Programs Division, of the Control Data Corporation, Dayton, Ohio, under the direction of Mr. W. A. Osborne. The DAPro Project Manager for Control Data Corporation was Mr. Jimmy P. Maxwell.

The DAPro project was created to continue the development, test, and demonstration of the Integrated Information Support System (IISS). The IISS technology work comprises enhancements to IISS software and the establishment and operation of IISS test bed hardware and communications for developers and users.

The following list names the Control Data Corporation subcontractors and their contributing activities:

<u>SUBCONTRACTOR</u>	<u>ROLE</u>
Control Data Corporation	Responsible for the overall Common Data Model design development and implementation, IISS integration and test, and technology transfer of IISS.
D. Appleton Company	Responsible for providing software information services for the Common Data Model and IDEF1X integration methodology.
ONTEK	Responsible for defining and testing a representative integrated system base in Artificial Intelligence techniques to establish fitness for use.
Simpect Corporation	Responsible for Communication development.
Structural Dynamics Research Corporation	Responsible for User Interfaces, Virtual Terminal Interface, and Network Transaction Manager design, development, implementation, and support.
Arizona State University	Responsible for test bed operations and support.

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SECTION 1  
SYSTEM HARDWARE

Listed below is the computer hardware currently available on the AF VAX test bed computer.

Equipment

13 VT240 Monitors  
13 VT240 Base Units  
13 VT240 Keyboards  
7 VT100 Terminals  
7 VT100 Keyboards  
Digital Letterwriter  
2 VAX Operator Consoles  
DEC Correspondent  
MLPRINTER-Apple Laser  
4 MLPRINTER-C.Itoh's

86000-Related

8600 Cab  
8600 Unibus Cab  
8600 RLO2 Console  
8600 CPU

MS86-CA (16 Meg mem)  
MS86-BA ( 4 Meg mem)  
MS86-BA ( 4 Meg mem)  
MS86-BA ( 4 Meg mem)  
MS86-BA ( 4 Meg mem)  
CI-780 (Computer Interconnect)  
DW780-MA (Uni adapt)  
DW780-MB (Uni adapt)  
BA11-AL (Box)  
    LP11 (print ctrler)  
    DCA Board  
BA11-AL  
    DMF32 (MUX)  
    DZ11-A (MUX)  
    DZ11-A (MUX)

Accession For	
NTIS CRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification .....	
By .....	
Distribution/ .....	
Availability Codes	
Dist	Avail and/or Special
A-1	

11/780-Related

780 CPU Cab  
RH780 (Massbus Ctrler)  
RH780 (Massbus Ctrler)  
MS780E (16 MEG mem)  
FP780 (Floating Point)  
780 Unibus Cab  
BA11-KU (Box)  
DEUNA (Ethernet)  
DUP11 (Sync Comm)  
BA11-KE (Box)  
DZ11-A (MUX)  
DZ11-A (MUX)  
780 SBI Cab H9652-HA  
DW780 (Unibus Adapt)  
DW780 (Unibus Adapt)  
CI-780 (Computer Interconnect)  
MS780C (4 MEG mem)

5 Emulex SMDI Disk Drives  
HSC70  
Star Coupler  
TU77-AF Tape Drive  
TA78-BF Tape Drive  
RM05 Adapter  
? RM05-AA Disk Drives  
LP26-EB

Communications-Related

2 DCA 355s  
2 Microcom AX/9624C NMPs  
Black Box SME V.35  
2 Black Box 232 <-> v.35s  
4 Codex 2121s  
2 Intersil BIU/4004s  
2 DCA 120s  
PCI 1076  
Universal Data Systems  
6 Amdahl's  
OHB MODEM  
CODEX 2600 modem  
Racal Vadic Unit Power Supply  
12 Racal Vadic Modems  
Racal Vadic Modem Housing  
Racal Vadic Modem Power Supply  
Racal Vadic Modem Unit Housing  
Modem Cabinet  
AT+T DataPhone II  
Intersil Systems  
Data Block Converter  
Jerold Head In Filter  
2 Dec Server 100s