

### INTERNATIONAL FORUM OF CONTROL DATA USERS

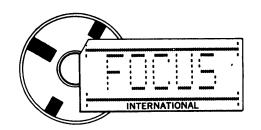
FOCUS-8 CONFERENCE

October 17-20, 1972

#### TABLE OF CONTENTS

AEBS	-	Allied-Energy Business Systems	1
ALCO	-	Alcoa Research Laboratories	5
AOL	-	Bedford Institute	9
ARO	-	AEDC (ARO, Inc.) VKF, Arnold AFS	13
ARUT	-	Applied Research Laboratories, University of Texas	17
ASC	-	The Aerospace Corporation	21
BA CT		Bell Aerospace Company	25
BHP		The Broken Hill Proprietary Co., Ltd	29
BILA	-	Bickley Labs	33
BIP	-	Walter Reed Army Institute, Division of Biometrics and Medical Info	36
BPA		Bonneville Power Administration	43
BTLC	_	Benefit Trust Life Insurance Company	49
CAC	_	Call-A-Computer, Inc	53
<b>C</b> BCS	_	Bureau of Census and Statistics	57
CCIW	-	Canada Center for Inland Waters	61
CDWR	-	State of California, Dept. of Water Resources	65
CEIS	-	Community Electrocardiographic Interpretative Service	69
CHEC	-	Chevrolet Engineering Center	73
CSIR	_	CSIRO Division of Computing Research	77
CSPS	_	California State University	81
DLAB	_	MIT Charles Stark Draper Lab	85
DPTR	_	DuPont-Textile Research	89
DUQ .	_	Duquesne University	93
M		Electric Machinery Mfg. Co	97
PC	-	ElPaso County	101
			IUI

EPI	-	Motorola SPD	105
FCD		Central & Southern Florida Flood Control District	109
FCED	_	Frankford Arsenal	113
GCCL	-	Multiple Access Limited	117
GPL	-	Singer – Librascope	12
GTY	_	Getty Oil Company (Eastern Operations)	125
HCS	-	Health Computer Sciences, University of Minnesota	129
HSH	-	Haubenreich and Morrissey	133
HUCC		Harvard University/Massachusetts General Hospital	137
IDSC	_	U.S. Army Finance and Comptroller Information	141
FLIN	-	Booth Newspapers Inc	145
INTN	-	Intran Corporation	149
IPC	-	Interstate Power Company	150
KCL	-	Kazmar Consultants, Ltd	154
KIST	-	Korea Institute of Science & Technology	158
KSLA	-	Koninklijke/Shell Laboratorium	162
LDSH	-	University of Utah, Department of Biophysics	166
LPI	-	Western Uranium Project, Lucius Pitkin, Inc	171
LUCC	-	Lamar University	175
LUNO	-	Loyola University	179
MAC	-	McDonnell Douglas Automation Company	183
MEC		Milgo Electronics Corporation	187
MEMC	-	Miller Electric Mfg. Co	191
MINN	_	West Bank Computer Center, University of Minnesota	195
MSU	-	Michigan State University	199
MVAM	-	Motor Vehicle Administration	203
NAIC	_	National Astronomy & Ionosphere Center	207
NAIT	-	Northern Alberta Institute of Technology	211
NCER		National Center for Earthquake Research	215
NEUC	_	Northeastern University	219
NIH	_	National Institute of Health	224
NLSC	_	Naval Air Systems Command, Navy Department	228
NOAA	_	National Oceanic and Atmospheric Administration	233

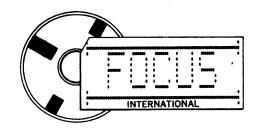


	S CONTACT: Rice			TION CODE:	
BJE	TIVES OF INSTALL	ATION: DATA			
	RY, ALLIED F PLANTS	APER, SOUTHE	en m	ILLS CONVERT	TING, AND ITIA
					OTTICZ UF USER
	WARE (include vendo TRAL SITE:	r symbol on non-CD	C Equip	ment):	SEP 1 2 1972
. CEN	Mainframe(s)				GROUP LIAISON
	Model		Quantity		Core (K)
	3150		1		32 (24)
(2)	Console(s)		(3)	Tape Transport(s)	
\_/	Model	Quantity	,-,	Model	Quantity
	3200			601	
(4)	Dick (c)		(5)	Card Reader(s)	
(4)	Disk(s) Model	Quantity	(5)	Card Reader(s)  Model	Quantity
(4)		Quantity 4	(5)		Quantity
(4)		Quantity 4	(5)	Model	

a. (8)	QSE(s) (Quote Special Equipme	ent)	
		Description	Quantity
	NONE		Contry
(9)	Other Devices		
		Description	Quantity
	NONE		
			**************************************
	OTE SITE(S):		
(1)	Computer(s)		
		Model	Quantity
(2)	Other Remote Devices	Description	•
		Description	Quantity
<del>1</del> ARD	WARE PROBLEMS		
. REC	URRING HARDWARE PROBLEM	MS:	
	Device	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
	854 DISK	4-5 per week	IRRECOVERABLE DISK
		,	ERRORS - (SORTS)
	SYSTEM (TAPE)	2-3 per week	SYSTEM LOCKUP WHEN
			LIPDATING TALE TO TAPE

a. Sched	TIONS	From	To	
	Preventive Maintenance	6 AM	To AM	Day of Week
	reventive maintenance	GAM	8 AM	MONDAY  WEDNESORY
		GAM	8 AM	- FRIDAY
2				
5	Systems Work	.11 Am	12 NOON	WEONESDAY
		3 Pm	4 PM	
		11 AM	12 NOON	- THURSDAY
		3 PM	4 PM	THURSDAY
3	pecial Time Allotment	_ lo Am	8 Am	THURODAY
			<u> </u>	THUICOD AF
P	roduction	8 ANI	Il Aru	MON - FRI
		\$ DM	12 MID	MON- FRI
C	Debugs	12 NOON	_ 3 PM	MON - FRI
			and officery management of the policy designation	
<b>b. Job S</b> cl _ _	neduling: Describe your job s	cheduling algorithm		
	ting Method: harges based on:	AOSEO Tim	0-0-1	
	illing algorithm:	THE SEL TIME	e per jo	<i>98</i>
SPECIAL	. PROBLEIVIS: Describe at	ny special problems th	at have not been ac	counted for by the above categ
		···		
-		-		
	DI 4110		O VOUE CUEFART CO	figuration:
	PLANS: Describe any fur			841'S.

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



CONT	RIBUTING ORGANIZA	ATION: A	Icoa	Research Installation Name	Laboratories
	Vew Kensing	ton		Pennsyl	lyania.
FOCU	JS CONTACT: A.	4. Knol	/	Head,	Computer Secti
	:: 72   08   2				
OBJE	CTIVES OF INSTALLA	TION:			
***************************************	Labora	tory data	acqu	isition an	d control
	Scient	lific con	mputa	tion	
	Data	processin	9		
	Infor	mation re	trieva	/	- NE ANDEN
HARE	DWARE (include vendor	symbol on non-C	DC Fauin	ment):	Utrice OF USER
	ITRAL SITE:	symbol off flori-c	DO Equip	milenty.	AUG 23 1972
(1)	Mainframe(s)				GROUP LIAISON
	Model		Quantity		Core (K)
	//00				32
(2)	Console(s)		(3)	Tape Transport(s)	
(2)	Model	Quantity	(3)	Model	Quantity
	17//	/			
					AND THE PROPERTY OF THE PROPER
(4)	Disk(s)	0	(5)	Card Reader(s)	Quantitu
	Model	Quantity		Model 177 a 7	Quantity
	853			1729-2	
(6)	Line Printer(s)		(7)	Data Cell(s)	
(0)	Model	Quantity	(7)	Model	Quantity
	1742	/		Hoder	
	1176				Andrewski man skine kilos police police and the skine species of the skine of the s

. a. (8)	QSE(s) (Quote Special Equipment)		
		escription	Quantity
	Motorola MDR	<del></del>	Quality
	Mark Sense		
(9)	Other Devices		
		escription	Quantity
	1749		All the same of th
	1750		
	Industria	1 1/0	
L DEN	MOTE CITE/OL		
D. REM (1)	NOTE SITE(S):  Computer(s)		
<i>(</i> 1)	•	Model	•
		MOCIEI	Quantity
	The second secon		
(2)	Other Remote Devices		
	De	scription	Quantity
	KSR 3	75	
HADD	WARE PROBLEMS		
	URRING HARDWARE PROBLEMS:		
a. neci	Device	No. of Occurrences	Notice of Eathers
		(Or Rate of Occurrences)	Nature of Failure
	1738 Disk Controller	1 per month	Erroneous bad track
			reject ; irrecoverable er
	1742 Line printer		Misprints lines who first turned on
	1742 Line printer	- 4	first turned on
	1121 Tape reader	Sporedically	Clutch and brake
			adjustment

Mean time between hardware/software failures 5-7 days

Longest time period between hardware/software failures over 1 month

c. System Stability:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

b. Software:



CONT	TRIBUTING ORGANIZA	ATION: BE	DFE	RD INS	TITUTE
	PTMOUTH N.S.				
	US CONTACT:			S	tate
		Name	ICTALI	ATION CODE	Title
	:: 73 / 08 / 10 Yr. Mo. Day				
OBJE	CTIVES OF INSTALLA	TION: OCEAN	K GRA	PHIC R	ESEARCH
					OFFICE OF USER
	NA 55 /:				AUG 24 1972
	DWARE (include vendor : ITRAL SITE:	symbol on non-CD	C Equip	ment):	
a. CEN	Mainframe(s)				GROUP LIAISON
,	Model		Quantity		Core (K)
	3150		/		32
		·			
(0)					
(2)	Console(s)	Oversia	(3)	Tape Transport(s)	Oversking
	<u>Model</u> 	Quantity		Model 6 0 /	Quantity 7
	3192				
(4)	Disk (s)		(5)	Card Reader(s)	
,	Model	Quantity	(0,	Model	Quantity
	854	4		405 UNBUF	
(6)	Line Printer(s)		(7)	Data Cell(s)	
	<u>Model</u>	Quantity		Model	Quantity
	5/2	//			
	3152		4-tilebras		

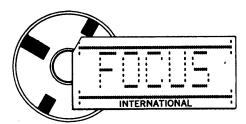
\_\_\_\_Very Good

\_\_\_\_\_ Excellent

Good Fair Poor

10.	OPERATIONS			
	a. Schedule:	From	То	Day of Week
	Preventive Maintenance	6:30 RM	830 AM	Mon. through For
	Systems Work	not see	2 hours	
	Special Time Allotment	weeke	uls	
		<del></del>		
	Production	830 RM	IAM	Mon Through Fri
	Debugs		Lederley	
		e he per	month	
	b. Job Scheduling: Describe your job sc 8:30 → 430	heduling algorithm  5 min for	ly highe	of priority.
	all job exceed	ing 45 m	un Yrus	× pronty.
	c. Accounting Method:		***************************************	
	Charges based on: John	I sun ten	· · · · · · · · · · · · · · · · · · ·	
	Billing algorithm: 700.00	per h.	· · · · · · · · · · · · · · · · · · ·	
11.	SPECIAL PROBLEMS: Describe and	y special problems t	hat have not been	accounted for by the above categories:
12.	FUTURE PLANS: Describe any future.			onfiguration:
	b. Software:			
	ADDITIONAL COMMENTS			

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



#### DATA USERS CONTROL ONAL **FORUM** OF 1. CONTRIBUTING ORGANIZATION: AEDC (ARO, INC.) 2. FOCUS CONTACT: CHARLES SUPERVISOR FOCUS INSTALLATION CODE: ARO 5. OBJECTIVES OF INSTALLATION: TESTING OF HIGH-SPEED ARRECRAFT, MISSILES AND SPACECRAFT MODELS AT MACH NUMBERS RANGING FROM 1.5 TO 22. IN CONTUNTION WITH THAT ESTING THE COMPUTERIS USED FOR DATA ACQUISITION AND PROCESSING MATH MODELS, AND RESEARCH UTTICE OF USER 6. HARDWARE (include vendor symbol on non-CDC Equipment): AUG 23 1972 a. CENTRAL SITE: (1) Mainframe(s) Core (K GROUP LIAISON Quantity Model 32 Tape Transport(s) (2) Console(s) Quantity Model Quantity Model 606 Card Reader(s) Disk(s) (5) Quantity Model Model Quantity 405 (7) Data Cell(s) Line Printer(s) Model Quantity Model Quantity 505

b. In your opinion, CDC's response to your hardware request(s) has been:
\_\_\_\_\_ Excellent \_\_\_\_\_ Yery Good \_\_\_\_\_ Good \_\_\_\_ Fair \_\_\_\_ Poor

Mean time between hardware/software failures

Longest time period between hardware/software failures

\_\_\_\_\_Excellent

c. System Stability:

Very Good \_\_\_\_\_ Fair \_\_\_\_\_ Poor

additional numbered pages.

10.	OPERATIONS			
	a. Schedule:	From	То	Day of Week
	Preventive Maintenance	<i>0</i> 900	0900	THEN - THEN
				1007 - INCO
	Systems Work	0200	1600	Mow - Firs
	Special Time Allotment			
	Production	1600	0900	MON - GAT
	Debugs	0900	1600	Mon -Frz
	310 PRIDRTY MA		REDUCT 9 AND R	
	c. Accounting Method:  Charges based on:  Billing algorithm:	NTING	Los	
11.	SPECIAL PROBLEMS: Describe any	special problems	that have not beer	n accounted for by the above categories:
	FUTURE PLANS: Describe any futura. Hardware: GOULD CLEU!			
ı	b. Software: COMPUTE C	Jest un	OF TESH	CELL, MODEL
	ATTITUDE AND	MODEL	TRATEGI	ראואן
13. /	ADDITIONAL COMMENTS: For A	dditional Comm	ents and/or System	on Organization Chart(s), append



CONT	RIBUTING ORGANIZATION	ON: Applied :	Resear	ch Laboratories	, The Univer	sity	
of Te			Applied Research Laboratories, The University Installation Name Texas 78712				
01 10	City				ate	(Systems	
FOCL	JS CONTACT: Herman R.	. Phillips		Research Scie	ntist Assoc.	-	
		Name			Title RUT		
DATE	$\frac{72}{\text{Yr.}} \frac{8}{\text{Mo.}} \frac{8}{\text{Day}}$	4. FOCUS IN:	STALLA	ATION CODE: A	MOT		
ORJE	CTIVES OF INSTALLATION	N: To assi	st the	e research and d	ata processi	ng	
perso	onnel in their tasks b	y providing	the re	equired computin	g facilities	and	
servi							
						<u> </u>	
						<del></del>	
HARE	DWARE (include vendor syn	nhal on nan-CDC	: Fauin	ment):			
	ITRAL SITE:		, Edaib				
a. CEN	Mainframe(s)						
117		0	uantitu		Core (K)		
	<u>Model</u> CDC 3200	<u>u</u>	Quantity  1		32K		
					JEIL		
(2)	Console(s)		(3)	Tape Transport(s)			
	<u>Model</u>	Quantity		Model	Quantit	<u>Y</u>	
	3201	1	-	CDC 604	4		
				***************************************			
(4)	Disk(s)		(5)	Card Reader(s)			
	Model	Quantity		Model	Quanti	ty	
	CDC 854	3		CDC 405	1		
				Approximation of the second se			
(6)	Line Printer(s)		(7)	Data Cell(s)			
(6)	Line Printer(s)	Quantity	(7)	Data Cell(s)  Model	Quantit	tv	
(6)	Line Printer(s)  Model  CDC 505	Quantity	(7)	Data Cell(s)  Model  None	Quanti	ty_	

G. a. (8) QSE(s) (Quote Special Equipment)    Description	FOCUS	- 8 INSTALLATION REPOI	RT Installation Code	e: ARUT	Page2
Description   Quantity   1   1   1   1   1   1   1   1   1	6. a. (8)	QSE(s) (Quote Special Equipm	ent)		
Interface between Honeywell 516 - CDC 3200 1  (9) Other Devices    Description   3286/3288 A/D - D/A Converter 1					Oversia
Description   Quantity		Interface betwe	<del></del>	3200	
Description 3286/3288 A/D - D/A Converter 1  415 Card Punch 1 565 CALCOMP Plotter 1  b. REMOTE SITE(S): (1) Computer(s)  Model Quantity  (2) Other Remote Devices  Description Quantity  HARDWARE PROBLEMS a. RECURRING HARDWARE PROBLEMS: Device No. of Occurrences (Or Rate of Occurrences) (Or Rate o			000		
Description   Quantity   3286/3288 A/D - D/A Converter 1   415 Card Punch   1   565 CALCOMP Plotter   1	<b>(2)</b>				
3286/3288 A/D - D/A Converter 1  415 Card Punch 1 565 CALCOMP Plotter 1  b. REMOTE SITE(S):  (1) Computer(s)  Model  Ouantity  (2) Other Remote Devices  Description  Ouantity  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences (Or Rate of Occurrences) (Or Rate of Occurrences) 3203 Memory  Cyclic Memory Parity Errors  3204 CPU Approx 1 per month RTC start complementing etc. Resync has to be aligned. FC0 21648 is installed.	(9)	Other Devices			
#15 Card Punch 1 565 CALCOMP Plotter 1  b. REMOTE SITE(S):  (1) Computer(s)    Model		000640000			Quantity
b. REMOTE SITE(S): (1) Computer(s)  Model  Ouantity  (2) Other Remote Devices  Description  Ouantity  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences (Or Farte of Occurrences) (Or Farte of Occurrences) 3203 Memory Cyclic Memory Parity Errors  3204 CPU Approx 1 per month RTC start complementing etc. Resync has to be aligned. FCO 21648 is installed.			onverter l		
b. REMOTE SITE(S):  (1) Computer(s)  Model  Ouantity  (2) Other Remote Devices  Description  Ouantity  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences (Or Rate of Occurrences) (Or Rate of Occurrences) 3203 Memory  Cyclic  Memory Parity Errors  3204 CPU Approx 1 per month RTC start complementin etc. Resync has to be aligned. FC0 21648 is installed.			1		
(2) Other Remote Devices  Description  Quantity  HARDWARE PROBLEMS a. RECURRING HARDWARE PROBLEMS:  Device  Or Rate of Occurrences (Or Rate of Occurrences) (Or Rate of Occ		565 CALCOMP Plotter	1		
Model  Ouantity  Description  Ouantity  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences (Or Rate of Occurrences) (Or Rate of Occurrences) Approx 1 per month RTC start complementing etc. Resync has to be aligned. FCO 21648 is installed.  b. In your opinion, CDC's response to your hardware request(s) has been:		12,7			
(2) Other Remote Devices  Description  Ouantity  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences (Or Rate of Occurrences) Cyclic Memory Parity Errors  3203 Memory Cyclic Approx 1 per month RTC start complementing etc. Resync has to be aligned. FC0 21648 is installed.  b. In your opinion, CDC's response to your hardware request(s) has been:	(1)	Computer(s)			
Description  Quantity  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences (Or Rate of Occurrences)  Government (Or Rate of Occurrences)  Approx 1 per month (PTC start complementing etc. Resynchas to be aligned. FCO 21648 is installed.  b. In your opinion, CDC's response to your hardware request(s) has been:			Model		Quantity
Description  Quantity  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences (Or Rate of Occurrences)  Government (Or Rate of Occurrences)  Approx 1 per month (PTC start complementing etc. Resynchas to be aligned. FCO 21648 is installed.  b. In your opinion, CDC's response to your hardware request(s) has been:					
HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences (Or Rate of Occurrences)  Cyclic Memory Parity Errors  3203 Memory Cyclic Memory Parity Errors  Approx 1 per month RTC start complementing etc. Resynchas to be aligned. FCO 21648 is installed.  b. In your opinion, CDC's response to your hardware request(s) has been:	(2)	Other Remote Devices			
A RECURRING HARDWARE PROBLEMS:    Device   No. of Occurrences (Or Rate of Occurrences) (Or Rate of Occurrences)			Description		Quantity
3203 Memory  Cyclic  Memory Parity Errors  3204 CPU  Approx 1 per month  RTC start complementing etc. Resynchas to be aligned. FCO 21648 is installed.  b. In your opinion, CDC's response to your hardware request(s) has been:			S:		
3203 Memory   Cyclic   Memory Parity Errors     3204 CPU   Approx 1 per month   RTC start complementing     etc. Resynchas to be   aligned. FCO 21648 is     installed.   b. In your opinion, CDC's response to your hardware request(s) has been:		Device		ı	lature of Failure
b. In your opinion, CDC's response to your hardware request(s) has been:		3203 Memory			
etc. Resync has to be aligned. FCO 21648 is installed.  b. In your opinion, CDC's response to your hardware request(s) has been:		3204 CPU	Approx 1 per month	RTC star	t complementing
b. In your opinion, CDC's response to your hardware request(s) has been:					
b. In your opinion, CDC's response to your hardware request(s) has been:					
Excellent Very Good X Good Fair Barry	b. In you		7.7		÷

ŧ	a. Schedule:	From	То	Day of Week
	Preventive Maintenance	7:00 am	8:00 am	MTWF
		1:00 am	8:00 am	Thurs.
		***************************************		
	Systems Work	Run with p	production	
	Special Time Allotment	Machine is excluding	available for	r production runs anytineeded maintenance.
	Production	8:00 am After hour	6:00 pm s (as required	Monday - Friday
	Debugs	Run with F	roduction _	
	(1) Listing and exe (2) Jobs executing			paround time $\leq 30$ mins. $1-1/2$ hrs.
			_	round time ≤ 24 hours
C.	Accounting Method:			
	Charges based on: N/A			
	Billing algorithm:			
SI	PECIAL PROBLEMS: Describe an	y special problems th	at have not been acco	ounted for by the above categories:
FI	JTURE PLANS: Describe any fut	ure implementations	to your current confi	guration:
	Hardware: Faster tape dri	ves, faster li	ne printer	
a.				
	Cofe			<u> </u>
	Cofe			



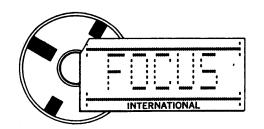
CONT	RIBUTING ORGANIZ	ATION:	THE AEF	ROSE	PACE CORPORATIO	ON	
	El Segundo				Calif	Cornia	
	City				Section	State Manager	
FOCU	S CONTACT: Robe	rt J. Mer Name	cer		Beccion	Title	
DATE	: 72 /Sept./ 7	4. FO	CUS INSTA	LLA	TION CODE:	ASC	
OBJEC	CTIVES OF INSTALLA	ATION: Pr	ovide comp	oute	er support in a	a closed	secure sit
						ال المراث	AE HOED
HARD	WARE (include vendor	symbol on	non-CDC Fo	uin	ment):	SEP 1	
	TRAL SITE:	symbol on	non-obo Eq	laibi		GET I	2 137 2
(1)	Mainframe(s)					GROUP LI	AISON
	Model		Quant	ity		Core (	<u>K)</u>
	3804		1			65K	
				(2)	Toro Transport(a)		
(2)	Console(s)	Quar		(3)	Tape Transport(s)  Model		Quantity
	<u>Model</u> 3801		1		607	<del></del>	8
(4)	Disk(s)			(5)	Card Reader(s)		
	Model	Qua	ntity		Model		Quantity
	854		5		405		1
				(7)	Data Cell(s)		
(6)	Line Printer(s)	0	ntity	(/)	Model		Quantity
	<u>Model</u> 501		1		None		

HARDWARE PROE	BLEMS			
a. RECURRING HAR	OWARE PROBLE	MS:		
ַ	Device		Occurrences of Occurrences)	Nature of Failure
	501	inte	rmittent	overprint
3	803	one stack,	once a month	parity errors
Apply the second se		agent has the production of the state of the state of		
Market and the second s		n makada aran dagan dagan dagan dagan dagan da babbada		
b. In your opinion, CD	C's response to ye	our hardware reque	est(s) has been:	
X Excel	lent\	/ery Good	Good F	air Poor

		RE SYSTEMS
a. Cı	irrent	Operating System DISK SCOPE Latest Update 11/19/70 PSR No. unknown
b. Lo	cal Mo	odifications (Add additional description if desired, as appendix)
		dded second parameter to FILE
		ntry points like 6MARKEF, l.u.,
		o. of file marks; 9SKIP, l.u.,
	no	o. of file marks; etc.
c. QS	S(s)	(Quote Special Software)
(1)		INFØL from SDC, Santa Monica
(2)		
(3)	)	
(4)		
d. Co		r and Library Routines: Updated through PSR Summary or Local Modifications:  FØRTRAN
		CØBØL
		79595
	•	
		•
e. Cu		Problems and Comments:
e. Cu		Problems and Comments: Getting the latest PSR updates already punched.
e. Cu		
SOF	 TWAI	Getting the latest PSR updates already punched.
SOF	TWAI	Getting the latest PSR updates already punched.  RE PROBLEMS
SOF	TWAI currin Op	Getting the latest PSR updates already punched.  RE PROBLEMS  g Software Problems:  Derating System: System hangs when unit not dialed in; cannot load programs  rom system library when COMMON blocks vary in length; system loses prin
SOF	TWAI currin Op	Getting the latest PSR updates already punched.  RE PROBLEMS  g Software Problems:  Derating System: System hangs when unit not dialed in; cannot load programs  rom system library when COMMON blocks vary in length; system loses prin
SOF a. Re (1)	TWAI currin Op <u>fr</u>	Getting the latest PSR updates already punched.  RE PROBLEMS g Software Problems:
SOF a. Re (1)	TWAI currin Op <u>fr</u>	Getting the latest PSR updates already punched.  RE PROBLEMS  g Software Problems:  perating System: System hangs when unit not dialed in; cannot load programs  com system library when COMMON blocks vary in length; system loses prin  strings on disast  mpilers and System Routines: FTN compiler tables exceeded because of large numb
SOF a. Re (1)	TWAI currin Op fr Co	Getting the latest PSR updates already punched.  RE PROBLEMS  g Software Problems:  perating System: System hangs when unit not dialed in; cannot load programs  com system library when COMMON blocks vary in length; system loses prin  strings on disast  mpilers and System Routines: FTN compiler tables exceeded because of large numb

	From	То	Day of Week
Preventive Maintenance	6:00 a.m.	8:00 a.m.	Monday
	<u>6:00 a.m.</u>	7:00 a.m.	Tuesday
	2:00 p.m.	6:00 p.m.	Wednesday
	<u>6:00 a.</u> m.	7:00 a.m.	Thursday & Friday
Systems Work			
en e			
Special Time Allotment			
		-	
		_	
Production			
rioduction		-	
		***************************************	
	***************************************	***************************************	
Debugs			
Debugs			
	##		
	** · · · · · · · · · · · · · · · · · ·		
			ystems use a block of ti
during the day. Ev	ening hours ar	e set aside fo	or batch processing. A
during the day. Ev short period in the	ening hours ar	e set aside fo	
during the day. Ev	ening hours ar	e set aside fo	or batch processing. A
during the day. Ev short period in the and checkout.	ening hours ar	e set aside fo	or batch processing. A
during the day. Ev short period in the and checkout.  Accounting Method:	ening hours ar middle of the	e set aside for day is used :	or batch processing. A for short compilations
during the day. Ev short period in the and checkout.  Accounting Method: Charges based on: Total c	ening hours ar middle of the	e set aside for day is used the computer is	or batch processing. A for short compilations shared by three organi
during the day. Ev short period in the and checkout.  Accounting Method: Charges based on: Total c	ening hours ar middle of the	e set aside for day is used the computer is	or batch processing. A for short compilations shared by three organi
during the day. Ev short period in the and checkout.  Accounting Method: Charges based on: Total c	ening hours ar middle of the ost of using t	e set aside for day is used :	or batch processing. A for short compilations shared by three organi
during the day. Ev short period in the and checkout.  Accounting Method: Charges based on: Total c Billing algorithm:	ening hours ar middle of the ost of using t	e set aside for day is used :	or batch processing. A for short compilations shared by three organi
during the day. Ev short period in the and checkout.  Accounting Method: Charges based on: Total c Billing algorithm:	ening hours ar middle of the ost of using t	e set aside for day is used :	or batch processing. A for short compilations shared by three organi
during the day. Ev short period in the and checkout.  Accounting Method: Charges based on: Total c Billing algorithm:	ening hours ar middle of the ost of using t	e set aside for day is used :	or batch processing. A for short compilations shared by three organi
during the day. Ev short period in the and checkout.  Accounting Method: Charges based on: Total consistency algorithm:	ening hours ar middle of the ost of using to my special problems the	e set aside for day is used : he computer is	or batch processing. A for short compilations shared by three organiculations ounted for by the above categories:
during the day. Ev short period in the and checkout.  Accounting Method: Charges based on: Total c Billing algorithm:	ening hours ar middle of the ost of using to my special problems the	e set aside for day is used : he computer is	or batch processing. A for short compilations shared by three organiculations ounted for by the above categories:
during the day. Ev short period in the and checkout.  Accounting Method: Charges based on: Total consistency algorithm:	ening hours ar middle of the ost of using t  my special problems the	to your current conf	for batch processing. A for short compilations shared by three organiculation ounted for by the above categories:
during the day. Even short period in the and checkout.  Accounting Method: Charges based on: Total conting algorithm: ECIAL PROBLEMS: Describe and Conting algorithm:	ening hours ar middle of the ost of using t  my special problems the	to your current conf	or batch processing. A for short compilations s shared by three organiculation ounted for by the above categories:
during the day. Even short period in the and checkout.  Accounting Method: Charges based on: Total conting algorithm: ECIAL PROBLEMS: Describe and Conting algorithm:	ening hours ar middle of the middle of the ost of using t	to your current conf	or batch processing. A for short compilations s shared by three organi ounted for by the above categories: iguration:

additional numbered pages.



CONT	TRIBUTING ORGANIZ	ATION: Bell A	erospa	ce Company	
	Tucson			Installation Name Arizona	
	City				ate
FOC	JS CONTACT: Rob	ert J. Vint		Manager, Com	puter Services
DATE	:: 72 / 8 / 24 Yr. Mo. Day	Name 4. FOCUS IN	ISTALL/	ATION CO <u>DE:</u>	Title ACT
OBJE	CTIVES OF INSTALL	ATION: Health	inform	ation systems su	pport.
					UFFICE OF USER
HARE	DWARE (include vendo	r symbol on non-CD	C Fauin	ment):	AUG 28 197
	TRAL SITE:	i symbol on non ob	O Equip	inorte,	
(1)	Mainframe(s)				GROUP LIAISON
	Model	(	Quantity		Core (K)
	3170	1		80	(K=1024)
(2)	Console(s) <u>Model</u>	Quantity	(3)	Tape Transport(s)  Model  604	Quantity 4
(4)	Disk(s)  Model 854	Quantity 4	(5)	Card Reader(s)  Model 405	Quantity 1
	814	1			
(6)	Line Printer(s)  Model  501	Quantity 1	(7)	Data Cell(s)  Model	Quantity

. a. (8)	OSE/s) (Ouata Special Earl	:	
. d. (O)	QSE(s) (Quote Special Equ		•
		Description	Quantity
(9)	Other Devices		
		Description	Quantity
	415 Card Punch		<del></del>
	3316 Multiplexer	Controller	<u></u>
	304 Multiplexer		<u> </u>
	- 330 Data Set Ad		
	332 Data Set Ad		3
b. REI	MOTE SITE(S):	-	
(1)	Computer(s)		
		Model	Quantity
		he franchismonografies skinoskolitis (m. r. Mondifeld i nyempenganiyatina kinoka kana kanan yazar sambabagan aska a asab	
(2)	Other Remote Devices		
		Description	Quantity
	Various teletype	compatible terminals	
HARE	WARE PROBLEMS		
a. REC	URRING HARDWARE PROB	LEMS:	
	Device	No. of Occurrences	Nature of Failure
	Page file	(Or Rate of Occurrences) 3-10 times a week	Programs abort with EO3 or
			E04 IAC which is not valid.
	604	F 10 +1 1	Unrecoverable read errors of
		5-10 times a week	tape files which were writt
			without unrecoverable write
			errors.
h Inv	our opinion CDC's response to	your hardware request(s) has been:	
		your manager (equestis) has been.	

				BACT Page 4 of 4
	OPERATIONS			
		_	_	
	a. Schedule:	From 0000	То 0800	Day of Week Monday
	Preventive Maintenance	0600	0730	Tuesday thru Friday
	Systems Work	0000	0800	As required
	Special Time Allotment			As required. Deferred to
				weekends and nights whene possible.
	Production	0000	2400	7 days a week except for
				PM, etc.
			***************************************	
	Debugs	0800	1800	Monday thru Friday
ŧ	o. Job Scheduling: Describe your job scho First in, first ou			
	First in, first ou	t.		
	First in, first ou  Accounting Method: Charges based on: CPU tim		nel time	
	First in, first ou	t.	nel time	
•	First in, first ou  Accounting Method: Charges based on: CPU tim	e plus chann		accounted for by the above categories:
•	First in, first ou  Accounting Method: Charges based on: CPU tim Billing algorithm:	e plus chann		accounted for by the above categories:
•	First in, first ou  Accounting Method: Charges based on: CPU tim Billing algorithm:	e plus chann		accounted for by the above categories:
\$	First in, first ou  Charges based on: CPU tim  Billing algorithm:  CPECIAL PROBLEMS: Describe any	e plus chanr	that have not been	
5	First in, first ou  Accounting Method: Charges based on: CPU tim Billing algorithm:	e plus chanr	that have not been	
i a	First in, first ou  Charges based on: CPU tim Billing algorithm:  SPECIAL PROBLEMS: Describe any	e plus chang special problems to e implementation to 128K (K=	that have not been	

28

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

additional numbered pages.



CONT	RIBUTING ORGANIZA	ATION: The	Broken	Hill Proprietar	y Co. Ltd.
	Newcastle City	· · · · · · · · · · · · · · · · · · ·	<u>N</u>		ralia.
FOC	JS CONTA <u>CT: I. F. G</u>	. Henderson	n		stems & Data Proces
	:: 72 /08 / 22 Yr. Mo. Day			ATION CODE:	BHP
OBJE	CTIVES OF INSTALLA	TION: Pro	oduction	Planning & Cor	ntrol
		Teo	chnical &	Scientific	
***************************************					UtriCE OF USER
					SEP 5 1972
	DWARE (include vendor	symbol on non-	CDC Equip	ment):	GROUP LIAISON
(1)	Mainframe(s)				
	Model		Quantity		Core (K)
	3304, 3310, 3311	, 3312	22		
	3306, 3307	***	66		
	3302		13		213
(2)	Console(s)		(3)	Tape Transport(s)	
	<u>Model</u>	Quantity		Model	Quantity
	3301	22	-	604	10
				3229	2
				689	6
(4)	Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		Model	Quantity
	841/6	2		405/3649	2
	841/4	1			
	3553	3	·		
(6)	Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity
	512/3555	2	<del>1</del>		

2 RECURRING HARDWARE BRODLEME

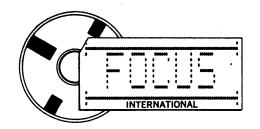
Device	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
604		Lost data (cured by going to 3307 rather than 3306)
217		Sticking keys.
n your opinion, CDC's response to	o your hardware request(s) has been:	
Excellent	Very GoodX Good	Poor

CUS -	- 8 INSTALLATION REPORT	Installation Code:	BHP	Page 3	of <u>4</u>
0057	WADE CVOTERS				
	WARE SYSTEMS Dual Procester to the procester of the proce	ssor Master V3 <b>(</b> QSS Latest Update	S)	No. 2	55
a. Cuii			ron	140	00
b. Loc	al Modifications (Add additional descript	ion if desired, as appendix)			
			···		
c. QSS	S(s) (Quote Special Software)		·		
(1)	BHP - On Line Commun				
(2)					<del></del>
(3)	Saint/Master Simula/Master				
(4)	omuta/master				
d. Con	npiler and Library Routines:	Updated through	n PSR Summary o	r Local Mo	difications:
	ANSI COBOL	PSR 230,	Reduced me	mory f	<u>or obje</u> ct
			nes, dump		
		•	ıcabort.		
	MS COBOL				
	ANSI FORTRAN				
	MS FORTRAN				
	ALGOL	PSR 230			
e. 180an	кемк Реминиканик Comments:				
	D.P.M. includes Proce	ssor and Communica	tions Reco	<u>very, S</u>	hared
	Memory and Shared File	es.			
	BHP-OLCS has Respond	Export-Import as a	sub-syste	m.	
	WARE PROBLEMS				
	curring Software Problems:		1-	_	
(1)			-		
	Corruption of MSIO files				
(2)	Compilers and System Routines:				
				<del></del>	
h Inv	our opinion, CDC's response to your sof	tware request(s) has been:			
	Excellent Very Goo	•	Fair X	_ Poor	
-	tem Stability:				
	in time between hardware/software failu igest time period between hardware/softw				

OPE	RATIONS				oted are Machin
	nedule:	From	То		er day per machi
<b></b> 30.	Preventive Maintenance	2 hrs.	4 hrs.		y of Week to Friday
	Systems Work	$\frac{1}{2}$ hr.	2 hrs.	.11	11
	Special Time Allotment				
	Production	16 hrs.	20 hrs.	11	II
	.,				
	Debugs	3 hrs.	6 hrs.	tf	11
b. Job	(i.e. Program Test)  Scheduling: Describe your job sche	duling algorithm			
b. Job	(i.e. Program Test)  Scheduling: Describe your job sche  Jobs are scheduled ac  Other jobs are run if	ccording to			
b. Job	Scheduling: Describe your job sche Jobs are scheduled ac	ccording to			
	Scheduling: Describe your job sche  Jobs are scheduled ac  Other jobs are run if	they can fit	in at the sar	me time,	
	Scheduling: Describe your job sche  Jobs are scheduled ac  Other jobs are run if  counting Method:  Charges based on: Each item	they can fit	in at the sar	me time. e - Users a	
c. Acc	Scheduling: Describe your job sche  Jobs are scheduled ac  Other jobs are run if  counting Method:  Charges based on: Each item	they can fit  n of equipme	ent has a rate	me time, e - Users a ccounted for by P. and F. I	are charged gene n time usage. the above categories:
c. Acc	Scheduling: Describe your job sche Jobs are scheduled ac Other jobs are run if  ounting Method: Charges based on: Each item Billing algorithm:  AL PROBLEMS: Describe any s Intermittent problems	they can fit  n of equipments of experiences y seem diffi	ent has a rate	me time, e - Users a ccounted for by P. and F. I	are charged gene n time usage. the above categories:
c. Acc	Scheduling: Describe your job sche Jobs are scheduled ac Other jobs are run if  counting Method: Charges based on: Each item Billing algorithm:  AL PROBLEMS: Describe any s  Intermittent problems When these occur they excessive system dow  RE PLANS: Describe any future	they can fit  of equipments to experience y seem diffirm time.	ent has a rated with B.D. cult to diagn	e - Users a  ccounted for by P. and F. I ose and res	are charged genentime usage.  the above categories:  C. modules.  sult in
c. Acc	Scheduling: Describe your job sche Jobs are scheduled ac Other jobs are run if  ounting Method: Charges based on: Each item Billing algorithm: IAL PROBLEMS: Describe any s Intermittent problems When these occur they excessive system dow	they can fit  they can fit  of equipments special problems to sexperience y seem diffirm time. cimplementations munications	ent has a rated with B.D. cult to diagn	e - Users a  ccounted for by P. and F. I ose and res  nfiguration:	are charged gene n time usage. the above categories: D. modules. sult in hard copy data

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

additional numbered pages.



1.	CONTRIBUTING ORGANIZATION: BICKLEY LABS							
					Installation Name PA, 19063	Installation Name A. 19063		
2.	FOCI	City		State PRESIDENT				
<b>د.</b>	FOCUS CONTACT: LYLE BICKLEY Name				Title			
3.	DATE	: 8 / 28 / 72 Yr. Mo. Day	4. FOCUS II	NSTALLA	ATION CODE: B	ILA		
5.	OBJE	OF LAB						
						Utrice OF USE		
	***************************************					AUG 3 1 15		
6.		WARE (include vendo	r symbol on non-Cl	OC Equip	ment):	CPOUD LIANS		
		TRAL SITE:				GROUP LIAISON		
	(1)	Mainframe(s)						
		Model No. 10		Quantity		Core (K)		
		PPC-4010				0		
	(2)	Console(s)		(3)	Tape Transport(s)			
		Model	Quantity		Model	Quantity		
		RPC-4480	1					
				<del></del>	***			
					<u> </u>			
	(4)	Disk(s)		(5)	Card Reader(s)			
		Model	Quantity		Model	Quantity		
			CONTRACTOR OF THE PROPERTY OF	<del>,</del>				
			<del></del>					
	(6)	Line Printer(s)		(7)	Data Cell(s)			
		Model	Quantity		Model	Quantity		
				-				

FOCUS	- 8 INSTALLATION REPORT	Installation Code:	Page <u>2</u> o
ô. a. (8)	QSE(s) (Quote Special Equipment)		
J. G. (G,	Descri	ption	Quantity
(9)	Other Devices		
	Descri	<del></del>	Quantity
	RPC-4437 CONTROLUNIT	WITH: 464 PAPER TAPE READER	
		420 PAPER TAPE PUNCH	
L DE	MOTE SITE(S):		
D. NE	Computer(s)		
	Mod	lel .	Quantity
		***************************************	
(2)	Other Remote Devices  Descrip	Quantity	
			<u> </u>
	DWARE PROBLEMS		
a. REC	CURRING HARDWARE PROBLEMS:	N (0	
	<u>Device</u>	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
		The state of the s	·
	The state of the s	The second state of the second	
		Will define an artist of	
b. In y	our opinion, CDC's response to your hardwa	are request(s) has been:	
	Very Good		Poor

FC	CU	s -	8	INSTALLATION	REPORT	Installation	Code:	Page 3 of	3_
8.				RE SYSTEMS Operating System	N/A	Latest Upda	ate	PSR No.	
	b.	Loc	al M	odifications (Add addi	tional descripti	ion if desired, as a	ppendix)		
			_						
			_						
			-						
	C.	QSS		(Quote Special Softw					
		(1)	-						
		(2)							
		(3) (4)							
		(1)							
	d.	Cor		er and Library Routine		U		R Summary or Local Modification	ons:
				COMPACT (FOR	TRAN V)				
				ACT IV (ON-L	INE INTE	RACETYEEL	ANGUAGE)		
									<del></del>
	e.	Cui	rent	Problems and Commo	ents:				
			_						
			-						
9.				ARE PROBLEMS					
	a.			ng Software Problems					
		(1)	C	perating System:					
		(2)	C	Compilers and System					
	b.	In	you	r opinion, CDC's respo	nse to your so	ftware request(s)	has been:		
				Excellent _	Very God	od X Go	oodFair	Poor	
	C.	Sv	sten	Stability:					
	٠.				e/software failu	ires			
				t time period between				no and it is regulated to their agreement of the control of the co	



1.	CONT	RIBUTING ORGANIZAT	rion: <u>Divisio</u>	OF B	IOMETRICS AND MI	DICAL INFORMATION						
	PROC	ESSING, WALTER REED	ARMY INSTITUT	re	Installation Name							
	OF	RESEARCH City			•	L. D.C.						
2.	2. FOCUS CONTACT: Richard L. Corbett Chief, Systems technology Branch											
3.		: 72 / 08 , 28 Yr. Mo. Day			ATION 4 CO.D.	IP						
5.		OBJECTIVES OF INSTALLATION: To advise and assist on experimental design, data										
	proce	processing, and analysis of all in-house and associated projects. To provide										
	data	processing service	to research ma	nagem	ent, associated	research projects						
	and A	ADP activity assigned	d. Development	of e	fficient systems	for storage and retrieva	al of					
	all s	ignificant research	data.		and the second section of the s							
	HADD	MARCE!	4.4									
о.		WARE (include vendor sy	mbol on non-CD	C Equip	ment):	UTTICE OF USER						
		TRAL SITE:				SEP 1 1 1972						
	(1)	Mainframe(s)										
		Model 250/. 1	<u>0</u>	luantity		Core (K) GROUP LIAISON						
		3504-1				114						
	(2)	Console(s)		(3)	Tape Transport(s)							
		Model	Quantity	•-•	Model	Quantity						
		3501	1		604	4						
					And the second s							
						Abor strain which with - the dis-dependent consistency about the second souther the						
	(4)	Disk(s)		(5)	Card Reader(s)							
	(/	Model	Quantity	(3)	Model	Quantity						
		841	6			duantity						
		041			405							
		-										
	(6)	Line Printer(s)		(7)	Data Cell(s)							
		Model	Quantity		Model	Quantity						
		512	2		CONTRACTOR OF THE ACTION AS A SECOND STATE OF THE SECOND STATE OF							
			The state of the s		***************************************							

CO2 -	8 INSTALLATION REPOR	RT Installation Code:	BIP Page 2
a. (8)	QSE(s) (Quote Special Equipme	ent)	
		Description	Quantity
	3516 Multiplexer C	ommunications Controller	1
	304 Multiplexer A	dapter	
(9)	Other Devices		
•		Description	Quantity
	Model 33 Teletypes	<del>- 1, 12 - 1, </del>	. 3
			•
	713 CRT 415 Card Punch		1
	415 card runch		
b. REN	OTE SITE(S):		
(1)	Computer(s)		
		Model	Quantity
	N/A		
(2)	Other Remote Devices		
		Description	Quantity
	Novar, Teletype		2
	WARE PROBLEMS		
a. REC	URRING HARDWARE PROBLE		·
	Device	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
	604	4 per week	IRR Read Errors
	512		False print errors-
			thermals

OCI	72 - 8	INSTALLATION REPORT	Installation Code:	BIP Page 3 of 2
•	\	ADE OVOTENO		
		ARE SYSTEMS	3.1	2024 010 1
а.	Curren	t Operating System 3500-Master	I atest Update	PSR No. 219 +
b.	Local I	Modifications (Add additional description	on if desired, as appendix)	
	-	See attached sheet (Incl	1)	
	-			
	-		****	
	-			
c.	QSS(s)	(Quote Special Software)		
	(1) _	None		
	(2)			
	(3) _			
	177 -			
d.		ler and Library Routines:		ugh PSR Summary or Local Modification
	-	USASI FORTRAN & USASI COB		219 +
	-	MS AND Tape Sort		219 <b>+</b> 219 <b>+</b>
	-	no mu Tape out		
	_			
	_			
	_			
	•			
e.	Curren	t Problems and Comments:		
	-			
		ARE PROBLEMS		
		ing Software Problems:		
	(1)	Operating System:		
	(2)	Compilers and System Routines: UCB	I COPT (Como III+i) i	nation Bushiam
		Restart files being dumpe		,
	-	rires perug dumpe	C LINET SONOR (OR	AAC TITE STRE!
b.	In you	r opinion, CDC's response to your softv	vare request(s) has been:	
	-	Excellent X Very Good	Good	Poor
C.	System	n Stability:		
		time between hardware/software failure	s 2 hours	
	Longo	et tima pariad hatuspan hardy are coftue		

Schedu	ule:	From	То	Day of Week
	Preventive Maintenance	0600	0800	Monday, Wednesday, Friday
S	Systems Work	0800	1000	Thursday, Friday
			1000	Thursday, Friday
•	Special Time Aliotment	1200	2400	Saturday hands-on
•		0001	2400	Sunday hands-on
_		1630	0800	Monday - Friday
۲	Production			Honday - IIIday
[	Debugs	0800	1630	Monday - Sunday
	cheduling: Describe your job sche			into major utilization bloc
<u>E</u> S	Each 24-hour period (0 such as software maint and production. Within	800-0800) i enance, har the develo	s segmented dware mainte pment and pr	into major utilization blocenance, program development coduction blocks scheduling
E s a	Each 24-hour period (0 such as software maint and production. Within is according to run pr	800-0800) i enance, har the develo	s segmented dware mainte pment and pr	enance, program development
g g i c. Accoun	Each 24-hour period (0 such as software maint and production. Within is according to run pronting Method:	800-0800) i enance, har the develo iorities an	s segmented dware mainte pment and pr d multiprogr	enance, program development coduction blocks scheduling camming capability.
E. Accoun	Each 24-hour period (0 such as software maint and production. Within is according to run promising Method:  Charges based on: No charge	800-0800) i enance, har the develo iorities an	s segmented dware mainte pment and pr d multiprogr s for a sing	enance, program development coduction blocks scheduling camming capability.
e. Accoun	Each 24-hour period (0 such as software maint and production. Within is according to run pronting Method:  Charges based on: No charge Billing algorithm: Transfer	800-0800) i enance, har the develo iorities an . Service i of funds be	s segmented dware mainted prent and produced multiprograms for a sing tween govern	enance, program development coduction blocks scheduling camming capability.
e. Accoun	Each 24-hour period (0 such as software maint and production. Within is according to run pronting Method:  Charges based on: No charge Billing algorithm: Transfer	800-0800) i enance, har the develo iorities an . Service i of funds be	s segmented dware mainted prent and produced multiprograms for a sing tween govern	enance, program development coduction blocks scheduling camming capability.  Gle government agency.  Inment agencies may be accomp
e. Accoun	Each 24-hour period (0 such as software maint and production. Within is according to run pronting Method:  Charges based on: No charge Billing algorithm: Transfer	800-0800) i enance, har the develo iorities an . Service i of funds be	s segmented dware mainted prent and produced multiprograms for a sing tween govern	enance, program development coduction blocks scheduling camming capability.  Gle government agency.  Inment agencies may be accomp
c. Account	Each 24-hour period (0 such as software maint and production. Within is according to run pronting Method:  Charges based on: No charge Billing algorithm: Transfer	800-0800) i enance, har the develo iorities an . Service i of funds be	s segmented dware mainted pment and produced multiprograms for a sing tween govern that have not been	enance, program development coduction blocks scheduling camming capability.  Gle government agency.  Inment agencies may be accompanaccounted for by the above categories:
c. Account	Each 24-hour period (0 such as software maint and production. Within is according to run pronting Method:  Charges based on: No charge Billing algorithm: Transfer AL PROBLEMS: Describe any	800-0800) i enance, har the develo iorities an . Service i of funds be special problems	s segmented dware mainte pment and pr d multiprogr  s for a sing tween govern that have not been	enance, program development coduction blocks scheduling camming capability.  Gle government agency.  Inment agencies may be accompanaccounted for by the above categories:
c. Account	Each 24-hour period (0 such as software maint and production. Within its according to run pronting Method:  Charges based on: No charge Billing algorithm: Transfer  AL PROBLEMS: Describe any futur ware: Increase the numbe Increase disk packs,	800-0800) i enance, har the develo iorities an . Service i of funds be special problems e implementation r of Tape D and core.	s segmented dware mainte pment and pr d multiprogr s for a sing tween govern that have not been as to your current rive Units,	enance, program development coduction blocks scheduling camming capability.  gle government agency.  mment agencies may be accompanaccounted for by the above categories:  configuration:

additional numbered pages.

#### Reference Page 4, paragraph 8c: Local Modifications

#### 1. Sint-Overlay (SINTO).

A. Description of Task. Opens all system files (scratch, punch, output, restart, account), which are used by MASTER, at autoload time.

#### B. Changes.

1. Have included another file (SYSTEM-FIC-NUMBERS) which will also be opened along with other files at autoload time. This file (\*FIC) contains all valid FIC user numbers (explained in more detail under Scheduler). If at any time there is something wrong with this file when the system is autoloaded, the following message will appear on the typewriter console:

SINT 032 (CANT OPEN FIC \*DEF EC= XXXX) NOTIFY SYSTEMS PEOPLE IF THIS MESSAGE APPEARS.

2. Have placed an option into this task that could be used if the above message appears and no systems people can be notified. By placing on jump switch 4 and re-autoloading the system, opening of the SYSTEM-FIC-NUMBERS file will not take place. The following messages will appear on the console typewriter:

JUMP SWITCH 4 IS ON \*FIC FILE IS NOT OPEN\* IF SJ4 IS TO STAY ON, TYPE RO, GO TO CONTINUE. RO, IF SJ4 IS NOT TO BE ON, TURN SJ4 OFF AND AUTOLOAD.

By typing RO,GO, normal operation will continue.

#### II. Scheduler (SCHED).

A. Description of Task. Used by MASTER to schedule all jobs which are entered into job stream.

#### B. Changes.

1. Have made changes to this master task which will check the account number which appears on the \$JOB card against all the humbers which are present in the SYSTEM-FIC-NUMBERS (\*FIC) file. If a match is found, the number is considered valid and processing continues. If no match is found in \*FIC, the number is considered invalid and the job is aobrted-not processed. The following message appears on the console typewriter:

D JOB X \*SCH 01 X=JOB ID

2. Have also placed an option into this routine which will allow the system to function properly without checking the validity of the account number. By placing on jump switch 4 (as in SINTO), the SYSTEM-FIC-NUMBERS file will not be opened and the validity routine in the scheduler will be bypassed and normal processing can continue.

#### III. Accounting Purge (SAP).

- A. Description of Task. Used to purge all the accounting information off the system-account file (ACC) and place it on an output device (in our case-tape).
- B. Changes. Have deleted several cards (7) from this task which were inserted by CDC personnel for some sort of accounting purposes which they themselves used. Have also changed this task so that when the task has finished purging all the information, it will write a standard CDC trailer on the end of the tape. This was found to be a necessity because the tape (output) contains a standard header label and the tape drive task (TPEX607) in our system, when encountering a labeled tape expects a trailer to be at the end of the tape. Originally, only an end-of-file (EOF) was written on the tape at the end of job.

#### IV. Initiator (INIT).

- A. Description of Task. Used to initiate all the jobs that are scheduled and attempts to keep a balanced mixture of jobs in execution.
- B. Changes. Have made changes to this task so that a time and a date will also be written on the console typewriter along with the starting message. The following message will now be printed on the console typewriter:

Job ID
B XXXXXXXX TIME=HH/MM/SS DATE=MM/DD/YY

#### V. Terminator (Termite).

- A. Description of Task. Used to terminate the processing of all jobs normally or abnormally.
- B. Changes. Have made changes to this task so that a time and a date will also be written on the console typewriter along with the ending message. The following message will now be printed on the console typewriter:

Job ID AT XXXXXXXX TIME=HH/MM/SS DATE=MM/DD/YY NT

#### VI. Director

A. Changes. Have made changes so that time and date are typed out on teletype when message "type system name" appears.

#### VII. Rsvo

A. Changes. Have made changes so that date and time are typed out on the teletype when the "031 log out" message appears.

#### VIII Opcompak.

A. Changes. Changes added to type out on console what is available to the system in the way of core, tapes, scratch, printers and disk (class B only ). Operator need only type "ECO5, AV" and availability list will type out.



1.	CONT	RIBUTING ORGANIZ	ZATION: Bonne	ville P	ower Administra	
		Portland			Installation Nam Oregon	e
2	FOCI	City	-1 C VenCeever	ina		State eal Engineer
2.	FOCI	JS CONTACT: Darre	Name			Title
3.	DATE	:: / / Yr. Mo. Day	4. FOCUS II	<b>NSTALL</b>	ATION CODE:	BPA
5.	OBJE	•	gement of Bonnevill			
	Po	wer Administration	n Electric Power	r Syste	m	
						Uttice of User
						AUG 28 1972
6.	a. CEN	DWARE (include vendo	r symbol on non-CE	OC Equip	ment):	GROUP LIAISON
	(1)	Mainframe(s)		<b>.</b>		0 (14)
		<u>Моdel</u> 1704	· • • • • • • • • • • • • • • • • • • •	Quantity 1		<u>Core (K)</u> 32
	(2)	Console(s)  Model  1587	Quantity 3	(3)	Tape Transport(s)  Model 608	Quantity 2
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model 853	Quantity 2	·	<u>Моdel</u> <u>1</u> 430	Quantity 2
	(6)	Line Printer(s)  Model	Quantity	(7)	Data Cell(s)  Model	Quantity
		1742	1			

#### FOCUS - 8 INSTALLATION REPORT

#### 7. Hardware Problems

a. Recurring Hardware Problems:

Device - Stall Alarm

No. of Occurrences - Once per month

Nature of Failure - Core dump indicates an interrupt from stall alarm. There is absolutely no reason for stall, however. System is usually in idle state at lowest priority level.

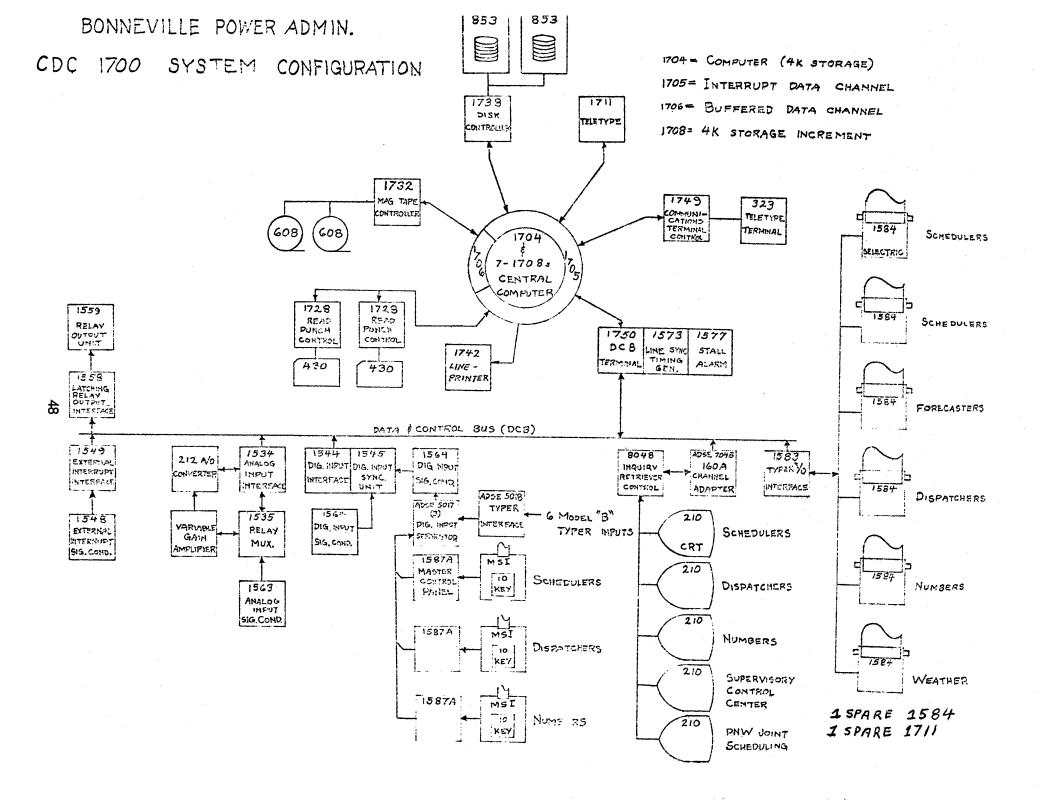
FOCUS - 8 INSTALLATION REPORT   Installation Code:   Page 2 of
Description   Quantity
Description   Quantity
QSE 2401 Auto-Restart Mod   1   8048 CRT Controller   1   8046 - 10-Key Digital Input Adding Machine   3   8014 Selectric Typewriter   6    (9) Other Devices   Description   Quantity   1749 Communication Terminal Controller   1   DCT 1500 Industrial I/O Controller   1   1534 Low Level Analog Input Interface   1   1559 Relay Outputs   15414 Digital Inputs   15514 Digital Inputs   15514 Computer(s)   1   15514 Computer(s)   1   15514 Digital Inputs   1551
8048 CRT Controller  8046 - 10-Key Digital Input Adding Machine  8014 Selectric Typewriter  6  (9) Other Devices  Description  1749 Communication Terminal Controller  1 DCT 1500 Industrial I/O Controller  1534 Low Level Analog Input Interface 1559 Relay Outputs 1544 Digital Inputs  b. REMOTE SITE(S):  (1) Computer(s)
8046 - 10-Key Digital Input Adding Machine  8014 Selectric Typewriter  6  (9) Other Devices  Description  1749 Communication Terminal Controller  1 DCT 1500 Industrial I/O Controller  1534 Low Level Analog Input Interface 1559 Relay Outputs 1514 Digital Inputs  b. REMOTE SITE(S):  (1) Computer(s)
8014 Selectric Typewriter 6  (9) Other Devices  Description Quantity  1749 Communication Terminal Controller 1  DCT 1500 Industrial I/O Controller 1  1534 Low Level Analog Input Interface 1  1559 Relay Outputs 1544 Digital Inputs  B. REMOTE SITE(S):  (1) Computer(s)
(9) Other Devices  Description  1749 Communication Terminal Controller  DCT 1500 Industrial I/O Controller  1534 Low Level Analog Input Interface 1559 Relay Outputs 1514 Digital Inputs  b. REMOTE SITE(S):  (1) Computer(s)
Description Quantity  1749 Communication Terminal Controller  DCT 1500 Industrial I/O Controller  1  1534 Low Level Analog Input Interface 1559 Relay Outputs 1514 Digital Inputs  B. REMOTE SITE(S):  (1) Computer(s)
1749 Communication Terminal Controller 1  DCT 1500 Industrial I/O Controller 1  1534 Low Level Analog Input Interface 1  1559 Relay Outputs 1544 Digital Inputs  b. REMOTE SITE(S):  (1) Computer(s)
DCT 1500 Industrial I/O Controller 1  1534 Low Level Analog Input Interface 1 1559 Relay Outputs 1544 Digital Inputs b. REMOTE SITE(S): (1) Computer(s)
1534 Low Level Analog Input Interface 1 1559 Relay Outputs 15th Digital Inputs b. REMOTE SITE(S): (1) Computer(s)
15/1/1 Digital Inputs  b. REMOTE SITE(S):  (1) Computer(s)
15/1/1 Digital Inputs  b. REMOTE SITE(S):  (1) Computer(s)
(1) Computer(s)
(2) Other Remote Devices
Description Quantity
8014 Selectric Typewriter 6
211 Visual Entry Stations 5
7. HARDWARE PROBLEMS
a. RECURRING HARDWARE PROBLEMS:
Device No. of Occurrences Nature of Failure
(Or Rate of Occurrences)
430's One or more pr/wk-every card damage two to three weeks it false error indication

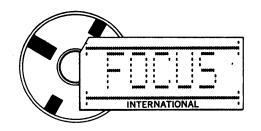
starts to fail Selectrics 4-5 per month Read Switch Adjustment 1 per month Mechanical Breakdown 10-Key Adding Units (Preston) Every 5-6 month Analog Amplifier Out of Calibration Note Attached Page for additional Hardware Problems b. In your opinion, CDC's response to your hardware request(s) has been: X Poor Over three years X Good \_\_\_\_Fair \_\_\_\_\_Excellent \_\_\_Very Good For past yr.

FO	CUS -	- 8 INSTALLATION REPORT	Installation Code:	Page 3 of 5
		WARE SYSTEMS rent Operating System 2.1	Latest Update 7-24-72	PSR No.
		al Modifications (Add additional descript		
]	Mint	- Restor - independent of		
		DR 1742 - mass resident Stall - Space - PW Fail		
		DR 1732 - time delay rele	Pase	
1	c. QSS	(s) (Quote Special Software)		
	(1)			
	(2)			
	(3) (4)			
	( , ,			
	d. Com	npiler and Library Routines:		mary or Local Modifications
		Assembler 2.0 4-Compiler 2.0.A 1-		
		Compiler 2.00A [=	Page Spacing	
	- 0			
,	e. Curr	rent Problems and Comments:		
		WARE PROBLEMS		
;		urring Software Problems:		
	(1)	Operating System:		
	(2)	Compiler and Compiler Desire C	annot expand core-resident	evetem heesise
	(2)	Compilers and System Routines: Compiler will then not		System because
		Octopia in the control of the contro		
!	b. In y	our opinion, CDC's response to your soft	ware request(s) has been:	
		ExcellentVery Good	Good X Fair	Poor
	c. Svst	em Stability:		
	-	n time between hardware/software failur	es One Week	
		gest time period between hardware softw		

	OPERATIONS			
	a. Schedule:	From	To	Day of Week
	Preventive Maintenance	0830		Second working day of a wee
	Systems Work	1225 1625	1255 1655	Every working day but PM da
	Special Time Allotment	1525	1555	when necessary
	Production	24 hours m	inus PM and	System Worktime
	Debugs	1225 1625	1255 1655	
		cess control ce run at an	y time. Use	not on:a specific time- rs' jobs are run after
	Charges based on: We have no	process con charge for	jobs	
	SPECIAL PROBLEMS: Describe any sp  The system is too small			
11.				
11.	FUTURE PLANS: Describe any future  a. Hardware: None	implementations t	o your current co	nfiguration:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.





CON	TRIBUTING ORGANIZA	ATION: Benefi	t Trust		
1771	W. Howard St., Chi	cago		Installation Nam	ne
	City				State
FOC	US CONTACT: Maria	no Rivera		Manager, Te	chnical Support Staf
DATE	E: 72 / 08 / 18		<b>USTALL</b>	ATION CODE:	BTLC
		TION: Busines	s Data	Processing. 1	nsurance application
					UFFICE OF USER
HADI	DWARE (include vendor	symbol on non CC	C Equip	mont).	AUG 21 1972
	NTRAL SITE:	symbol on non-cu	C Equip	ment/.	GROUP LIAISON
a. CE1	Mainframe(s)				AHOO! FINIOU!
(1)	· ·		O		Coro IKI
	<u>Model</u> 3300		Quantity		Core (K) 112
(2)	Console(s)		(3)	Tape Transport(s)	
	Model	Quantity		Model	Quantity
	3301	1	<del>-</del>	604R	7
(4)	Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		Model	Quantity
	841	6		405	1
(6)	Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity
	512	2			

				**	Occurences h	lave ue
					creased with	addi-
					tion of FCOs	
				·		· .
b. In you	ur opinion, CDC's res	ponse to your hardware	request(s) has bee	in:		
b. In you	ur opinion, CDC's res Excellent	ponse to your hardware	request(s) has bee	n: Fair	Poor	
b. In you					Poor	
b. In you					Poor	

	a. Curren	t Operating System MASTER 3.2 Latest	Update PSR No. 251 Selected
	b. Local	Modifications (Add additional description if desired	i, as appendix)
	F	Page Seperators Between Jobs	Improved Write-Recovery
	Ĭ	Automatic Job Time Extension	In TPEX6Ø7
	ſ	Remove Tape Label Search	Improved JMTR
	1	lews letter	Improved Special Forms (BKO)
		Improved System-Accounting File	Assign INP, OUT, PUN to any open
		Tape Error Tracking System (Quote Special Software)	DSI (BLKDBLK)
		NONE	
	(1)		
	(2)		
	(3)		
	(4)		
		iler and Library Routines : ANSI FORTRAN	Updated through PSR Summary or Local Modifications: 264
	ì	ANSI COBOL	264
			Added Cross-Reference to ANSI COBOL
		ANSI COBOL, MSFORTRAN, Pert-Time	7,000
		Pert-Cost-on Auxillary Library	
			`
	e. Curre	nt Problems and Comments:	
9.	SOFTW	ARE PROBLEMS	
	a. Recui	ring Software Problems:	
	(1)	Operating System: None major	
	<b>/</b> 0\	Compilers and System Routines: ANS I COBOL	End of Tape Processing.
	(2)	Compilers and System Houtines: Alto CoboL	
		ur opinion, CDC's response to your software reque	
	Level:	Excellent Very Good	Good Fair Poor
porate			
	•	m Stability:	hours
	Mean	time between hardware/software failures 48 est time period between hardware/software failures	Hours

Installation Code:

FOCUS - 8 INSTALLATION REPORT

Page 3 of 4

BTLC

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

Additional Core and CRT's

b. Software:



1.	CONT	RIBUTING ORGANIZ	ATION:	CALL-A-COMPUTER, INCORPORATED				
		LTHAM				Installation Nam	e	
		City					State	
2.	FOCL	JS CONTACT: ROB	ERT L.	HAMBLE	TON	DIRECTOR,	SPECIAL Title	PROJECTS
3.	DATE	: 8 / 12 / 72 Yr. Mo. Day		ocus in	ISTALLA	TION CODE:	CAC	
5.	OBJE(	CTIVES OF INSTALLA	ATION:_F AND/OR	PROVIDE BACKGR	GENE ROUND	RAL COMMERCI PROCESSING I	AL TIME-	SHARING
	TIME	-SHARING ACTIVI	TIES.					
							Urric <u>e</u> Of	USER
c	HADE	NAADE (include worde		CD	C Equip		SEP 5	1972
О.		DWARE (include vendoi ITRAL SITE:	symbol o	n non-co	C Equip	ment).	GROUP LIAIS	SON
	(1)	Mainframe(s)						
		Model		g	Quantity		Core (K)	
	3600			2 96/64				
	(2)	Console(s)  Model		antity	(3)	Tape Transport(s)  Model	Q	uantity
		3601		2		604		4/4
	(4)	Disk (s)			(5)	Card Reader(s)	0	uantity
		<u>Model</u> 8 5 4	angeriele.	antity		Model		1/1
			32/	/6:		405		
	(6)	Line Printer(s)			 (7)	Data Cell(s)		
	(0)	Model	Ou	antity	(7)	Model	Q	uantity.
		<u>3659</u>		1		NONE		

FOCUS - 8	INSTALLATION REPORT	Installation Code:	CAC	Page <u>2</u> of <u>4</u>
6. a. (8) (	QSE(s) (Quote Special Equipment)			
u. (o,		scription		Quantity
	<del></del>	scription		Quantity
-	NONE			
(9)	Other Devices			
	PDP-8/I INTERFACED	scription VIA PDP-8/I		Quantity 1/1
	DATA BREAK AS I/O DI CHANNEL.	EVICE VIA 3606 DAT	A	
b. REMO	TE SITE(S):			
(1) C	omputer(s)			
	HIS G265 (FORMERLY	Model GE 265)		Quantity 3
(2) 0	ther Remote Devices			
	Des	scription		Quantity
	MODEL 33+35 TTY, 27			
	30CPS REMOTE TERMINA	ALS		UP TO 80
HADDW	ARE PROBLEMS			
	RING HARDWARE PROBLEMS:			
u. 112001	Device	No. of Occurrences		Nature of Failure
		(Or Rate of Occurrences) (1) ERROR PER DAY	Δρρ	& CHECKWORD ERRORS
_		CI ERROR TER DAT	700.	
	3603 (MEMORY)	(6) FAILURES PER Y	'R. 01	PERAND & INS. PARI
-	863 (DRUMS)	(1) FAILURE PER MO	нти	PARITY ERROR
	3604 C.P.U.	(2) FAILURES PER Y	'R. II	NSTRUCTION FAILURE
b. In your	opinion, CDC's response to your har	dware request(s) has been:		
	ExcellentVery Go	ood <u></u> Good	Fair	Poor

:O	CUS -	8 INSTALLATION REPORT Instal	lation Code:_	CAC	Page 3 of 4	=
 ì	SOFT	WARE SYSTEMS DRUM SCORE 2 1				
		WARE SYSTEMS DRUM SCOPE 2.1 ent Operating System CAC-T/S SYSTEME	st Update		PSR No.	
						_
	b. Loca	al Modifications (Add additional description if desir NONE TO CDC SOFTWARE				_
						_
						_
	c. QSS	(s) (Quote Special Software)				
	(1)	NONE		·		_
	(2)					-
	(3)					
	(4)					
	d. Com	npiler and Library Routines: STANDARD CDC DEPENDENT SYST	TEMS. MOD	IFIED COM	ary or Local Modification IPASS TO SEARCH BY NAME ON LAI	1
			FIELD	OF COSY	CARD, AS S OP	ПОИ —
		CAC TIME-SHARING FORTRAN, COMPASS, LOADER	BASIC,			
						<del></del>
	e. Curr	rent Problems and Comments: NO OUTSTANDING SOFTWARE PR	ROBLEMS			
9.	SOFT	WARE PROBLEMS				
		curring Software Problems:				
	(1)	0.001.000.000.000.000.000	STERS OR L	OSS OF I	O INTERRUPT	<del></del>
	(2)	Compilers and System Routines: MINOR FO	ORTRAN AND	COMPASS	QUIRKS	
						<del></del>
	b. In v	our opinion, CDC's response to your software requ	uest(s) has been:			
	,		Good	Fair _	Poor	
		tem Stability:				
	Mea	an time between hardware/software failures 20	-24 HRS.			
		agest time period between bardware/software failur	6 - 10	•DAYS		

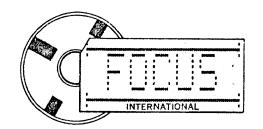
a. Schedule:	From	То	Day of Week
Preventive Maintenance	_0000_	_0400_	MONDAY (P.M.)
	0000	0200	TUESTHURS. (P.M.)
Systems Work	1 HR.		
Cystoms Work	<del></del>	<del></del>	MON - FRI.
Special Time Allotment	DEVELOPE		SUNDAY
	0000	1200	
Describer -	0800	2400	MONDAY - SATURDAY
Production	1200	1700	SUNDAY
	2 HRS.		
Debugs	0400	_0600_	MONDAY, WEDNESDAY, FR
o. Job Scheduling: Describe your job	scheduling algorithm		
TIME PRIORITIES	1. MAINTE	NANCE (HA	RDWARE & SOFTWARE)
		BLE WORK ( DPEMENT	CUSTOMER)
	J. DEVEE	71	
			The second secon
Accounting Method:	CH \$200 L	IR. CPU CH	ADCEC
Charges based on:			ARGES
Billing algorithm: 1NC	LODES 1/O PR	OCESSING	
PECIAL PROBLEMS: Describe a HARDWARE IS VER	ny special problems t Y SENSITIVE	hat have not beer TO ENVIRO	n accounted for by the above categories: MENTAL PROBLEMS. A/C,
			ING PERIODS OF POOR
RELIABILITY IN			
	uture implementations	s to your current	configuration:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

JUSTIFIED.

12A. POSSIBLE UPGRADE TO 3800 CPU AND MEMORY DEDICATE 3602 FOR DRUM CHANNEL.

CURRENT CAC TIME-SHARING SYSTEM, AS LONG AS ECONOMICALLY



1.	CON.	TRIBUTING ORGANI	Zationi	PENI	OF CENCUS	AND STATISTIC	
••		CA	EATION	NCHO .	installation Nar	ne	·7 ·
		CANBERRA		<del></del>	AUS	TRALIA.	<del></del>
2.	FOC	us contact: Me	CF.N BENNE	TT		TOR COMPUTER SERV	lice CENTRE
3.		=: 72/9/8	Name		ATION CODE:	Title CBCS	- <del></del>
=	OD IE	Yr. Mo. Day					
5.	Q	ctives of install	ATION: 10 P	tong	e an AD	.1' sorvice to	<i>s</i> e
	Dim	And they to	governme	~ T No	pailments.	· +	- ;
	-j-	All intellations atistical, Fina	charan in a	r bie	enclow on	ord fromosis	roomd
	26	smid cot, I ma	ncist + 8 cs	nomi	- approx	dus-	_
		· · · · · · · · · · · · · · · · · · ·		<del></del>			
6.	HAR	DWARE (include vendo	r symbol on non-Cl	DC Equip	ment):		
		NTRAL SITE:					
	(1)	Mainframe(s)					
		Model		Quantity		Core (K)	
		_3600		. 1		32 K	
		3300 A		ı		32K	_
		3300B		l		64K	 ·
		3500		l		163K	-
	(2)	Console(s)		(3)	Tape Transport(s)		•
		<u>Model</u>	Quantity		Model	Quantity	
		3600			607	10	_
		3300	2.		604	8	
		3514		****	657	8	_
					659	4	
	(4)	Disk(s)		(5)	Card Reader(s)		
		Model	Quantity		Model	Quantity	
		854	4	-	405	4	_
		853	4		***************************************		-
		841-8		-		· ·	_
	(6)	Line Printer(s)		(7)	Data Cell(s)		
		Model	Quantity		Model	Quantity	
		<u>₹01</u>	5				<u>-</u>
		512	2				<del>-</del>

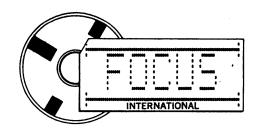
Device	No. of Occurrences	Nature of Failure
854 858 Units	12 per month.	Read Winte Error
3309 Care Madule	2 per week	Cong Parities.
3606 Clanuel	1 per week	Chamel Parities
3311 4 3312	1 per 8 weeks	

b.	5. In your opinion, CDC's response to your hardware request(s) has been:								
	Excel	lent .	Very Good	Good		Fair	Poor		

_		NSTALLAT		(Installation C	Code: <u>CB</u>	<u>CS</u> Page	
		E SYSTEMS perating System	MASTER MSOS - MP M TAPESCOPE 3600 SCOPE	Latest Update	3-2 4-2 4-2	PSR No.	264 250 237+
	b. Local Mod	ifications (Add	d additional descript	ion if desired, as app	pendix)		
	_		ASTER mysl				
	<u> </u>	arges in 1	MSOS pecara	~ te _			
	رف ا	suc tape	_ compatainl	ity occions			
	olik	replanz		<u> 2051                                     </u>		<u> </u>	·
	not	compa	title with	release MAST	TER w area	of rylan ~	one recome
	(1)	Quote Special S					
	(2)						
	(3)						
	(4)						
	d. Compiler a	and Library Ro	outines :	Upd	ated through PSR	Summary or Local	Modifications:
	<del></del>						
			omments: oblams were	ariparurcad	due to reg	ten nouse o	ecords, ro
	e. Current Pr	erable pr		1120	CAC to w	nte a noer	Miscalian am
	Consider which do	erable pro	ed due to	valuely of			gazza ar
	which do	erable pro	A 10- 2 0-2	Sim 05-	ALCENTER IN	متحص والأمم	منقرد (محس - دا
	Consude which do to J. se, SOFTWAR	erable pro e revelve Company EPROBLES	MS a glossen	y introlly.	receivery is	recticants	منقرد (محس - دا
	Conned which do to to software	eroble pro e revolve Company EPROBLET	MS a glosser	ara aron of interest of	receivery is and that is	nell-contr gnarley the	definition
	Conned which do to to software	eroble pro e revolve Company EPROBLET	MS a glosser	ara aron of interest of	receivery is and that is	nell-contr gnarley the	definition
	Consider which do to to so so SOFTWAR a. Recurring (1) Open Local decreases	erolle pro erective Company E PROBLET Software Prot trating System	MS a glosser blems: over : System idl to high pr	anticley.  unticy of  uny unrece  unty take.	receivery or and that is resident me assertly du you while	notes to	being tarks one h
	Curried which dr. software a. Recurring (1) Open Local (2) Com	Erolle processing Company E PROBLET Software Protesting System Web up	Nondard an MS a glossery blems: over : System idl to high pro stem Routines: Po	or daugn of	recovery or and that is resident no assorbly du a while from TSOR	need control  gnorthy the  uter  to state  low promits  et - weetig	being talks one h
	Curried which dr. software a. Recurring (1) Open Local (2) Com	Erolle processing Company E PROBLET Software Protesting System Web up	Nondard an MS a glossery blems: over : System idl to high pro stem Routines: Po	or daugn of	recovery or and that is resident no assorbly du a while from TSOR	need control  gnorthy the  uter  to state  low promits  et - weetig	being talks one h
	Curved on the transfer of the	Erestile processing to the company of the company o	MS a glossery  MS a glossery  blems: over  : System idl  to high pr  stem Routines: Po  nuch output  be operated	untially of untially of under unners	resident no resident no society du frant TSON much appearance no la manage de la mange de la manage de la manage de la manage de la manage de la man	need control  gnorthy the  uter  to state  low promits  et - weetig	being talks one h
	Curvidant of transfer of trans	E PROBLET Software Protection and System When up inpilers and System when the control of the con	MS a glossery  MS a glossery  blems: Over  : System idl  to high prostem  stem Routines: Po  nuch output  te operated  response to your sol	untially writing of under tanks.  or daugh of a och to hay previous tware requestis ha	resident no resident no resid	need control  quartery  to states  low promise  it - wester  ator uters  r appositions	being talks one h
	Curvidant of transfer of trans	E PROBLET Software Protection and System When up inpilers and System when the control of the con	MS a glossery  MS a glossery  blems: over  : System idl  to high pr  stem Routines: Po  nuch output  be operated	untially writing of under tanks.  or daugh of a och to hay previous tware requestis ha	resident no resident no resid	need control  quartery  to states  low promise  it - wester  ator uters  r appositions	being talks one h
	Curvidant of transfer of trans	Erestle processing System  Lad up  pillers and System  Lad up  pillers and System  Lad up  pillers and System  Lad up  processing System  Lad up	MS a glossery  MS a glossery  blems: Over  : System idl  to high prostem  stem Routines: Po  nuch output  te operated  response to your sol	untially writing of under tanks.  or daugh of a och to hay previous tware requestis ha	resident no resident no resid	need control  quartery  to states  low promise  it - wester  ator uters  r appositions	being talks one h

14pros	Schahde:S	seron lonce	sol.
OPERATIONS 3'			
a. Schedule:	From	То	Day of Week
Preventive Maintenance	1915	2145	Man Tue Wed Thur.
		-	
<b>.</b>	1520	11 20	<b>P</b>
Systems Work	1530	1630	Every day
		·	
	01.30	02.00	Even day
Debugs <del>Special Time Allotmen</del> t	0415	0515	<u> </u>
	0945	1000	-3
	16.30	1715	1. (1
		etti 440 sa etti tili tali tali tali tali tali tali t	
-Production	0000	0130	4
	0200	0415	N1 24
	0515	0945	t,
	1000	1530	11
<del>Debug</del> s	1715	1915	ti ji
2 30050	2145	2400	1.
	1915	2145	FRIDAY ONLY.
b. Job Scheduling: Describe your jo	b scheduling algorithi	n .	
SERIAL PROCESSO  Park User.  MULTIPROGRAMM  Development jobs  during the eve  c. Accounting Method:  Charges based on: Capital  Billing algorithm: No	b scheduling algorithm RS - Jobs a  Not Processor  are hum as  ring.  conts salvies  tional costs	ne schedulis - Jobs a they arms; consumed have produ	ed an a time slot be no run utilizing the MAS production jobs land to as mantenany, Sie preparate
SERIAL PROCESSO  Pach user.  MULTI PROGRAMM  Developement jobs  during the eve  Accounting Method:  Charges based on: Capital  Billing algorithm: No	b scheduling algorithm RS - Jobs a  NOT PROCESSOR  are hum as  ring.  conts salvies  tional costs	ne schedulis - Jobs a they arms; consumed have produ	ed an a time slot be no run utilizing the MAS production jobs land to as mantenany, She preparate ced for jobs costing pur
SERIAL PROCESSO  Pach user  MULTI PROGRAMM  Developement jobs  during the eve  Accounting Method:  Charges based on: Capital  Billing algorithm: No	b scheduling algorithm RS - Jobs a  NOT PROCESSOR  are hum as  ring.  conts salvies  tional costs	ne schedulis - Jobs a they arms; consumed have produ	ed an a time slot be no num utilizing the MAS production jobs land to as mantenand, She preparate ced for job costing pur
SERIAL PROCESSO  Reach user.  MULTIPROGRAMM  Developement jobs  during the eve  c. Accounting Method:  Charges based on: Capital  Billing algorithm: No  SPECIAL PROBLEMS: Describe  FUTURE PLANS: Describe any  a. Hardware: Further Ca	scheduling algorithm  RS - Jobs a  ING PROCESSOR  are him as  conts solvies  tional costs  any special problem  future implementation  from in 19	they armsold  consumable  consumable  have produce  that have not been  the committee committee  the committee  they addition	ed an a time slot be  no num utilizing the MAS  production jobs land to  as mantenany, She preparate  ced for jobs costing pur  accounted for by the above categories:

additional numbered pages.



1.	CONT	RIBUTING ORGANIZ	ATION: CANADA	CENT	er for Inlan	D WATERS
	Bu	ARLING TON City	#F4 31 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		ONTARIO ,	
					-	
2.						MPUTER SYSTEMS
3.	DATE	: 72/08/10 Yr. Mo. Day	4. FOCUS IN	<b>NSTALL</b>	ATION CO <u>DE:</u>	CCIW
5.		CTIVES OF INSTALL				
						OF POLLUTION
						AKES AND OTHE
		RESH WATER !				
						UFFICE OF USER
6	HADE	MADE (include conde	bal aa OD	O F		OFFICE OF USER
0.		DWARE (include vendo TRAL SITE:	r symbol on non-CD	C Equip	ment):	AUG 29 19/2
	a. CEN	Mainframe(s)				GROUP LIAISON
	117	Model		Quantity		Core (K)
		3300	· ·	Lucinity		32
		DEC PDP-15				32
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
					607	3
		DEC GRAPHIC-15			DEC TU-20	2
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		841-3			405	
			4		<b>D C C</b>	1
		DEC RE-15			DEC	
	(6)	Line Printer(s)		(7)	Data Celi(s)	
		Model	Quantity		Model	Quantity
		505				
		DEC LP-15				

	INSTALLATION REPORT	Installation Code:	ccin	Page2
6. a. (8) QS	E(s) (Quote Special Equipment)			
	Descri	ption		Quantity
(9) Oti	ner Devices			
	Descri	otion		Ourmaiau
	445 CARD PUNC			Quantity
b. REMOTE	SITE(S):			
(1) Con	nputer(s)			
	Mode	<u>el</u>		Quantity
_1	31k 6600 7 MULTIPL	e Access LTD.		
		070		
(2) Oth	er Remote Devices			·
	<u>Descrip</u>	tion		Quantity
HARDWAR	E PROBLEMS			
	NG HARDWARE PROBLEMS:			
	Device	No. of Occurrences Or Rate of Occurrences)	Nature	of Failure
-21	ANNER D	NET INTERIT	PAR 17	CREORS
		·		
48		-		
eliber (Arthur American)				
b. In your opi	nion, CDC's response to your hardwar	e request(s) has been:		
_/	ExcellentVery Good	Good	Fair	Poor

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

additional numbered pages.



1.	CONT	RIBUTING ORGANIZATION	ON: State	of Ca			Water Res	sources
		Sacramento			Installation Name	ornia		
		City				tate		-
2.	FOCL	S CONTACT: Charle	s W. Farre	ell	Chief, Com	puter	Systems B	ranch
3.	DATE	: 72/ 08 / 11 Yr. Mo. Day		ISTALLA	ATION CODE:	CDWR		-
5.	OBJE	CTIVES OF INSTALLATIO	N: To pro	ovide	general data	proce	ssing	
	serv	ice for the Resour	ces Agency	y. Ma	ajor applicat	ions i	nclude	_
	Pers	onnel Systems, Gen	eral Accou	unting	, State Wate	r Proj	ect Cost	<del>.</del>
	Acco	unting, State Park	Visitor A	Attend	dance System,	Parks	and Rec-	_
	reat	ion Information Sy	stem, and	vario	ous engineeri	ng and		
_		ulation programs.					OFFICE OF USE	₹
ь.		WARE (include vendor sym	bol on non-CD	C Equip	ment):		AUG 3 0 19/	
		TRAL SITE:						-
	(1)	Mainframe(s)	_	_			GROUP LIAISON	
		Model	Ē	Quantity		Core (I		
		3300		1		96		
			_					
		The state of the s						
	(2)	Console(s)		(3)	Tape Transport(s)			
	,_,	Model	Quantity		Model		Quantity	
		3301	1		604		6	
				-				
								•
								•
	(4)	Disk(s)		(5)	Card Reader(s)			
		Model	Quantity		Model		Quantity	
		854	6		405		1	
						*****		
				-				
	(6)	Line Printer(s)		(7)	Data Cell(s)			
	,0,	Model	Quantity	,,,	Model		Quantity	
		501	1					
		J V 4.	<u></u>	<del></del>			and control of the latest the state of the s	•
								-

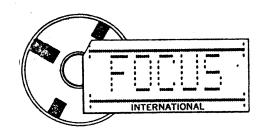
a. (8)	QSE(s) (Quote	Special E	quipment)			
			Description			Quantity
	None			<u> </u>		
(9)	Other Devices					
			Description			Quantity
	415	1	DJ 110/111	1		8909 1
	D3805	1	8518/19	2		<del></del>
	FJ601	1	8536137	5		
					-	
	IOTE SITE(S):					
(1)	Computer(s)					
	None		Model			Quantity
(2)	Other Remote De	vices	Description	a mara managami pad pad pada a salah a mala anada pagami		0
	200 User	Term	Water the same of			Quantity
	TTY's		baw d			1
						6
HARD	WARE PROBLE	MS				
a. REC	JRRING HARDWA	ARE PRO	BLEMS:			
	Device No. of Occurrences				N:	ature of Failure
	Memory			(Or Rate of Occurrences) Once a month		У
	Tape Driv	res	About 4 w	eek	Parit	y 90% Read 10
	Channel		About onc		Transı	mission Parit
			for 2 m	onths		

Poor

\_\_\_\_\_ Excellent X Very Good \_\_\_\_ Good \_\_\_\_ Fair

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

b. Software:



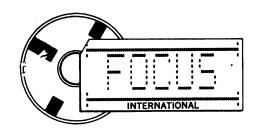
		COMMUNIT	-y EL	ECTROCARDICE	RAPHIC
CONT	RIBUTING ORGANIZ	ATION:	-NTE	RPRETATIVE SInstallation Name	PERVICE
	DENVER		·	( ) 🕜	ate
	City	11		5:	ate
FOCU	S CONTACT: JOHN	N. HIMMIG			Title
DATE:	721 Aug 131	4. FOCUS INS	TALLA	TION CODE:	CEIS
	Yr. Mo. Day	TION: Autous	- /	AND PRODUCE	ELECTROCARDIO
		/			NOSTIC INTERPRE
					OF COMPUTERS
	EDICINE	ABSEMACA	10_///	FACULEU03	
<del></del>					
HARD	WARE (include vendo	symbol on non-CDC	Equip	ment):	UFFICE OF USER
	TRAL SITE:				SEP 1 1 1972
(1)	Mainframe(s)				· · · · · · · · · · · · · · · · · · ·
	Model	Qt	uantity		<b>GROUP</b> LIAISON
	1704	<u> </u>			32
* *					
(2)	Console(s)		(3)	Tape Transport(s)	
\21	Model	Quantity	10,	Model	Quantity
	17//	1		609	1
			-		
			-		
(4)	Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		Model	Quantity
	854	2		430	
			***		
			_		
(6)	Line Printer(s)		(7)	Data Cell(s)	
	<u>Model</u>	Quantity		Model	Quantity
	1742		_		
			e sa e dij	Nagarak Baran Baran	

	Description	Quantity
(9) O	ther Devices	
	Description	Quantity
	CONSIDERABLE 1500 (ANALOG-DIGITAL)	
	EQUIPMENT	
7	749 COMMUNICATIONS WITH A LINES	1
REMOT	E SITE(S):	
(1) C	omputer(s)	
	Model (	Quantity
, <u> </u>		
(2) 0	ther Remote Devices	
	Description	Quantity
-		
RDW	ARE PROBLEMS	
RECUR	RING HARDWARE PROBLEMS:	
	Device No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
	1584 SELECTRIC 11-TIMES IN 12MD	SOLENDIDS AND
-	I/O TYPEWRITER	CONTACTS OUT OF ADMUS
		CONTROLS BUT OF ADMUS
· ·		
	는 이 발생이 모두 다음이 보면 보면 바로 경공합 <mark>됐다</mark> .	
	그 등 등 이 전 이 전 시간 사람들이 되었다. 이 사람들은 <del>하다.</del>	
· · · · · · · · · · · · · · · · · · ·		

### FOCUS - 8 INSTALLATION REPORT Installation Code: CEIS Page 4 of 4

Preventive Maintenance			
	Work /	PROUND THE	AROUND THE CLOCK)
		1	
Systems Work	Man	10	PROUND THE CLOCK "OF
	WORK /	HROUND THE	HADDING THE CLOCK "OF
		***************************************	
Special Time Allotment		DNE	
	1	- FINI	
Production \( \int \)	HOUR	Y DHY	
	NICI	11/11/11	/
I/D	HJ DI	VVI	
Debugs (365	TAVS/	YEHR	
		/	·
		) //n/=	=/
			· · · · · · · · · · · · · · · · · · ·
b. Job Scheduling: Describe your job sc	heduling algorithm	<b>n</b>	
THIS	15	NOT	A BATCH
	Sys	TEMI	
JOBS RUN O	NACALL	IN BASIS	-ON LINE
a Assounting Blocks - 4			
c. Accounting Method:	Fac	EDWOT /	ER EKG BASIS)
Billing algorithm:	TOK _	DERVICE (F	ER LING BASIS
bining algorithm:		· · · · · · · · · · · · · · · · · · ·	
SPECIAL PROBLEMS: Describe an	y special problem	s that have not been a	accounted for by the above categories:
ALL OF THE	M ARE		
			<del>and the state of </del>
		· · · · · · · · · · · · · · · · · · ·	
FUTURE PLANS: Describe any fut	ura implementati	one to your aware a	
a. Hardware: ADDITIONAL	COMMUN	DICHTTONS	AND ANALOS-DIGITAL
			<i>n</i> 0
			GITAL TO ANALOG CONVERTA
TIME SHARE -	MEDICAL	SUSTEMS	- COMMUNICATIONS HAD

		OTEST Latest	Update	<del></del>	PSR No.	<del></del>
Local	Modifications (Add additional d	escription if desired	l as annendiv)			
	COMPLE + ASSEMBL	753.4				
	MAKE CARPIOTEST A			<del>i territorio de la constanti d</del>		
	USABLE					
•						
QSS(s)	(Quote Special Software)					
(1)	NONE					
(2)						
(3)						
				<del></del>		
(4)			<del> </del>			
Compi	ler and Library Routines:		Updated through	th PCD C	ry or Local M	ladifications
	FORTRAN		opulated through	jii ron oumina	ry or Local iv	iodincations:
-		<del>, , , , , , , , , , , , , , , , , , , </del>				<del></del>
•	<del></del>			**************************************		
•				·		<del></del> ,
-						**************************************
-						
:						<del></del>
			A			
Curren	t Problems and Comments:				D. 4	- 1100-101
Curren	THERE AREC	URRENTLY	No HA	ROWARE	DIAG	ENOSTIC
Curren		URRENTLY BE RUN	No HA ON "24 A	ROWARE	DIAG	SNOSTIC YSTEMS)>
	THERE AREC	URRENTLY BE RUN	NO HA ON "24 A	ROWARE HOUR ON	DIAG LINES	SNOSTIC Y <del>STE</del> MS <sup>&gt;&gt;</sup>
OFTW	THERE AREC	URRENTLY BE RUN	No HA ON "24 A	ROWARE LOUR ON	DIAG LINES	BNOSTIC Y <del>STEI</del> MS <sup>YS</sup>
OFTW Recurr	THERE ARECOMAN ARE PROBLEMS ing Software Problems:	BE RUN	ON "24 F	YOUR ON	LINES	YSTEMS)>
OFTW Recurr	THERE AREC	BE RUN	ON "24 F	YOUR ON	LINES	YSTEMS)>
OFTW Recurr	THERE ARECONTHAT MAY  ARE PROBLEMS  ing Software Problems:  Operating System: POOR 4	BE RUN Y Organ	ON 24 P	HOUR ON	LINE S 1728,1	132)
OFTW Recurr	THERE ARECONTHAT MAY  ARE PROBLEMS  ing Software Problems:  Operating System: POOR 4	BE RUN Y Organ	ON 24 P	HOUR ON	LINE S 1728,1	132)
OFTW Recurr	THERE ABECT THAT MAY  ARE PROBLEMS  ing Software Problems:  Operating System: Poor Compilers and System Routines	BE RUN Y ORGAN : INCOM	ON 24 P	HOUR ON	LINE S 1728,1	132)
OFTW Recurr	THERE ARECONTHAT MAY  ARE PROBLEMS  ing Software Problems:  Operating System: POOR 4	BE RUN Y ORGAN : INCOM	ON 24 P	HOUR ON	LINE S 1728,1	132)
OFTW Recurr (1) (	THERE ABECT THAT MAY  ARE PROBLEMS  Fing Software Problems:  Operating System: Port  Compilers and System Routines  DIAGNOSTICS	BE RUN Y ORGAN :_TNCOM	ON 24 P	HOUR ON	LINE S 1728, I 24-Ass	132)
OFTW Recurr (1) (	THERE ABECT THAT MAY  ARE PROBLEMS  Fing Software Problems:  Operating System: Port  Compilers and System Routines  DIAGNOSTICS	BE RUN Y ORGAN :_TNCOM	ON 24 P	HOUR ON	LINE S 1728, I 24-Ass	132)
OFTW Recurr (1) (	THERE ARECONTHAT MAY  ARE PROBLEMS  ing Software Problems:  Operating System: Poor Compilers and System Routines  DIAGNOSTICS	BE RUN Y ORGAN :_TNCOM	ON 24 P	HOUR ON	LINE S 1728, I 24-Ass	132)
OFTW Recurr (1) (2) (2) In you	THERE ABE CONTINUAL THAT MAY  ARE PROBLEMS  Fing Software Problems:  Departing System:  Compilers and System Routines  DIAGNOSTICS  Tropinion, CDC's response to you  Excellent Ver	BE RUN  Y ORGAN  TINCOM  our software reques  y Good	ON 24 P	DOMPLES	LINES	YSTEMS"  732)  EMBLER
OFTW Recurr (1) (2) (2) In you	THERE ABECONTHAT MAY  ARE PROBLEMS  Ing Software Problems:  Operating System: Port  Compilers and System Routines  DIAGNOSTICS  It opinion, CDC's response to you  Excellent Ver	BE RUN  Y ORGAN  TINCOM  our software reques  y Good	ON 24 P	DOMPLES	LINES	YSTEMS"  732)  EMBLER

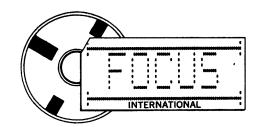


CONT	RIBUTING ORGANIZ	ATION: CHEVR	COLE T	- ENGINEER	ING CENTER
<u>u</u>	JARREN			MICHIGAN St	
			\$		ENGINEER Title
DATE	:72/8/7	4. FOCUS IN	STALLA	ATION CODE:	CHEC
	CTIVES OF INSTALL		ادهن	SITION, REJ	DUCTION, AND
RE	PORTING FOR	REAL TIME	E	MISSION A	ND CARBURETO
DE	JELOPMENT -	TESTS.			
	<u> </u>				UFFICE UF USER
					AUG 9 1972
	DWARE (include vendo	r symbol on non-CD(	C Equip	ment):	GROUP LIAISON
(1)	Mainframe(s)				
	Model	g	Quantity		Core (K)
	1704				3a
(2)	Console(s)	0	(3)	Tape Transport(s)	Quantity
	Model TTY	Quantity		Model	Quantity
				*** **********************************	
(4)	Disk(s)		(5)	Card Reader(s)	O
	Model 5 2	Quantity 2		Model 20	Quantity
	005	&		1120/430	
(6)	Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity
	1742				
	·				

Excellent

Very Good \_\_\_\_\_ Fair \_\_\_\_\_Poor

10.	OPERATIONS				:		
	a. Schedule:  Preventive Maintenance	From 4 TO 6	HOURS	Day of Week			
	Systems Work		7:20AM 11:50AM	DAILY (AS NEEDEL	) M-FRI		
	Special Time Allotment	6:20 AM 11:20 AM	7: 20AM 11:50AM	DAILY M-FRI DAILY M-FRI			
	Production	7: ZOAM 11: 50AM	11:20AM 11:30PM	DAILY M-SAT			
	Debugs	6:20AM 11:20AM	7:20AM (1:50AM	DAILY M-F			
	b. Job Scheduling: Describe your job sched  MODA Time Cri  in our Neal I  Price Donne ONE  C. Accounting Method:  Charges based on: MO accounting algorithm:	tical fi inic wor peduce	bs howed the back and be	the highest prisite time work takes beground which take belogmont work.			
11.	1. SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above categories:  Ul seem to paperuning out of core, which  Lauses over sintem to run "Swapped"  Some times, preventing back ground work.						
12.	b. Software: perhaps to	714 Mai	inframe (	with colditional haps modified a.x	uling,		
13.	,	· ·	//	Organization Chart(s), append			



1.	CONT	RIBUTING ORGANIZA	ATION: CSIRO Div	vision	of Computing Rese	earch	
		Box 1800 Canberra			Installation Name		
		City			State		
2.	FOCU	S CONTACT: Dr. G			Chief of Di		
_	DATE	727 007 20	Name	CTALL		Title CSIR	
3.	DATE	Yr. Mo. Day	4. FOCUS IN				
5.	OBJEC	TIVES OF INSTALLA	TION: To provide	e a sc	ientific computing	g service to scient	tists
th	rough	out Australia in C	SIRO Divisions,	Gover	nment Departments	and Universities a	and
to	carry	out research int	o computing curi	rently	in the fields of	system development	t,
						cetation, data base	
						mulation structures	
						Utrice OF USER	
6.	HARD	WARE (include vendor	symbol on non-CDC	C Equip	ment):	SEP 11 1972	
	a. CEN	TRAL SITE:				or, 11 1915	
	(1)	Mainframe(s)				GROUP LIAISON	
		Model	<u>a</u>	uantity		Core (K)	
		3604		1		65	
		PDP11		1		8	
		PDP8		1		4	
	(2)	Console(s)		(3)	Tape Transport(s)		
	(-/	Model	Quantity		Model	Quantity	
		DD 210	6		607	8	
		TTY 713 etc.	25		Incremental (Ken	nedv) 1	
		TIT /15 ecc.		_	<u> </u>	.cay /	
				(E)	0 10 1 ()		
	(4)	Disk(s)		(5)	Card Reader(s)	<b>0</b> 35	
		Model	Quantity		<u>Model</u> 405	Quantity 1	
		813	2	<del></del>	403	I	
		854	1	_			
	(6)	Line Printer(s)		(7)	Data Cell(s)		
	(0)		Quantity	177	Model	Quantity	
		Model			MINGEL	and the same of th	
		<u>501</u> 3152	2	<del></del>		ay abandananya salahan salahan kabanan manasakan salahan salah	
		3134	I	_			

	QSE(s) (Quot	e Special Equipn	nent)		
		DD 250	Description		Quantity 1
(9)	Other Devices				
(3)	Other Devices		Description		Quantitu
	415	Card Punch			Quantity 1
	3293/565	Calcomp Pi			1
	3293/563	"	II III		1
	3694	Paper Tape	e Stations		<u>.</u>
b. RFA	861 NOTE SITE(S):	Drum			2
(1)	Computer(s)				
	•		Model		Quantity
	3204	16 K core	7501, 405, 565 PL, 3691 PT,	603x3	3
	PDP11		nication interfaces		4
	TTY's, 713	's etc.	Description		Quantity 50
	WARE PROBL				
a. REC	URRING HARDI			A1-	of Fallows
	-	vice	No. of Occurrences (Or Rate of Occurrences)	iva	ture of Failure
	415 C	P	once / fortnight		mechanical
	CPU		sporadic —		various
	813		Sporadic		various
	013				

FOCUS	- 8 INSTALLATION REPORT	Installation Code:	CSIR	Page 3 of 4
B. SOF	TWARE SYSTEMS			
	urrent Operating System DAD	Latest Updaten.	a PS	R No. n.a.
			<u></u>	11000
b. Lo	All Control Data compiler DAD monitor	on if desired, as appendix) and ancillary syst	ems modified	l to run under
			<u> </u>	
	Similarly the CSIDISC (CSI	RO Disc Monitor, b	pased on Tape	e Scope), is in
	use on the 3200's.			
- 0	SS(a) (Outto Special Safetyman)			
<b>c.</b> (1	SS(s) (Quote Special Software) ) A Fast Fortran compiler (K	MTKTTDNN) had boom	dorrolopod fa	ha 2600
(2		WINIRAN) has been	аеметореа та	or the 3600.
(3		heen developed to	handle rome	ata batah and
(4				
•			,	
d. Co	ompiler and Library Routines:	Updated throu	igh PSR Summary	or Local Modifications:
	Emphasis on -			
	Kwiktran, Fortran, Compass Sort, Infol, Simscript at	Mainl	y local modi	fications
			-	
	Fortran, Compass, Sort			
	at remote sites.			
e Ci	urrent Problems and Comments:			
6. 0	arrent Froblems and Comments.			
9. SOF	TWARE PROBLEMS			
a. R	ecurring Software Problems:			
(1	Operating System:	NIL		
(2	2) Compilers and System Routines:	NIL, although our	experience	with INFOL has not
	been a happy one.		=	
b. In	your opinion, CDC's response to your soft	ware request(s) has been:		
	ExcellentVery Good	Good	Fair	Poor
c \$1	ystem Stability:			
C. 3	firmware lean time between <del>hardware/software</del> failure	es 2 A	ave	
L	ongest time period between hardware/softw firmware	(anures 6_ d	ays	

. OPER a. Sche		From	То	Day of Week
a. Scne	Preventive Maintenance	Fion	10	Day of Week
	(a) Central Site	0630	0830	Monday - Friday
	(b) Remote Sites	_2100	2300	Monday - Friday
	•	Scheduled Pr	ogram	- Weekends
	Systems Work			
		Within P	roduction Sch	hedule
	Special Time Allotment	NIL		
	Production			
	(a) Central Site	_0830	0630	Monday - Friday
	(b) Remote Sites	0900	2100	Monday - Friday
	Debugs			
		· · · · · · · · · · · · · · · · · · ·		
	Scheduling: Describe your job sc			and on ich bima limit. Di
(a) Central	Jobs are inserted int queue is serviced hal	o 14 executi f the time,	on queues bas second queue	sed on job time limit. Fi half the remaining time et
(a) Central Site	Jobs are inserted int queue is serviced hal Basically short jobs	o 14 executi f the time, first, with	on queues bas second queue occasional re	half the remaining time et elief for longer jobs.
a) Central Site (b) Cemote	Jobs are inserted int queue is serviced hal Basically short jobs	o 14 executi f the time, first, with	on queues bas second queue occasional re	half the remaining time et
(a) Central Site (b) Remote Sites	Jobs are inserted int queue is serviced hal Basically short jobs	o 14 executi f the time, first, with	on queues bas second queue occasional re	half the remaining time et elief for longer jobs.
a) Central Site (b) Remote Sites	Jobs are inserted int queue is serviced hal Basically short jobs Priority is given to	o 14 executif the time, first, with short jobs b	on queues bas second queue occasional re y manual Sort	half the remaining time et elief for longer jobs.
a) entral ite b) emote ites	Jobs are inserted int queue is serviced hal Basically short jobs Priority is given to	o 14 execution of the time, first, with short jobs be and priorit	on queues bas second queue occasional re y manual Sort y, with addit	half the remaining time et elief for longer jobs. ting.
(a) Central Site (b) Remote Sites c. Acc	Jobs are inserted int queue is serviced hal Basically short jobs Priority is given to ounting Method: Charges based on: CPU Time Billing algorithm: All char	o 14 execution of the time, first, with short jobs because and priority ges are base	on queues bas second queue occasional re y manual Sort y, with addit d on resource	half the remaining time et elief for longer jobs. ting. tional charges for I/O
(a) Central Site (b) Remote Sites c. Acc	Jobs are inserted int queue is serviced hal Basically short jobs Priority is given to ounting Method: Charges based on: CPU Time Billing algorithm: All char	o 14 execution of the time, first, with short jobs because and priority ges are base	on queues bas second queue occasional re y manual Sort y, with addit d on resource	half the remaining time et elief for longer jobs. ting.
(a) Central Site (b) Remote Sites c. Acc	Jobs are inserted int queue is serviced hal Basically short jobs Priority is given to ounting Method: Charges based on: CPU Time Billing algorithm: All char	o 14 execution of the time, first, with short jobs because and priority ges are base	on queues bas second queue occasional re y manual Sort y, with addit d on resource	half the remaining time et elief for longer jobs. ting. tional charges for I/O
(a) Central Gite (b) Remote Gites c. Acc	Jobs are inserted int queue is serviced hal Basically short jobs Priority is given to ounting Method: Charges based on: CPU Time Billing algorithm: All char	o 14 execution of the time, first, with short jobs because and priority ges are base	on queues bas second queue occasional re y manual Sort y, with addit d on resource	half the remaining time et elief for longer jobs. ting. tional charges for I/O
(a) Central Site (b) Remote Sites c. Acc	Jobs are inserted int queue is serviced hal Basically short jobs Priority is given to ounting Method: Charges based on: CPU Time Billing algorithm: All char	o 14 executi f the time, first, with short jobs b and priorit ges are base y special problems	on queues bas second queue occasional re y manual Sort y, with addit d on resource that have not been	half the remaining time et elief for longer jobs.  ting.  tional charges for I/O e usage.  accounted for by the above categories:
(a) Central Site (b) Remote Sites c. Acc	Jobs are inserted int queue is serviced hal Basically short jobs Priority is given to ounting Method: Charges based on: CPU Time Billing algorithm: All char IAL PROBLEMS: Describe an	o 14 executi f the time, first, with short jobs b and priorit ges are base y special problems ure implementation	on queues basesecond queue occasional responsible of manual Sort y, with addited on resource that have not been as to your current of the original of the orig	half the remaining time etelief for longer jobs.  ting.  tional charges for I/O  e usage.  accounted for by the above categories:
(a) Central Site (b) Remote Sites c. Acc	Jobs are inserted int queue is serviced hal Basically short jobs Priority is given to ounting Method: Charges based on: CPU Time Billing algorithm: All char	o 14 executi f the time, first, with short jobs b and priorit ges are base y special problems ure implementation ote batch vi	on queues bases second queue occasional resurred y manual Sort y, with additional additional resource that have not been as to your current of a the 3200's	half the remaining time etelief for longer jobs.  ting.  tional charges for I/O  e usage.  accounted for by the above categories:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append



1.		RIBUTING ORGANI	ZATION: california		Installation Name	
	100	MONA			elifornia	ate
2.	FOCU	S CONTACT: Jan	nes Pikilray	<b>Z</b>	ABP M	
3.	DATE	$: \frac{72/08/09}{\text{Yr.}  \text{Mo.}  \text{Day}}$	_ 4. FOCUS IN	ISTALLA	ATION CODE:	CSPS
5.		CTIVES OF INSTALL				
		to are	wide a constal	tes «	enuines In	7/4
	edu	cational dep	continued and	40	Arciess a	The during tratera
	da	La systems			<i>y</i>	
6	HARD	WARE (include vende	or symbol on non-CD	C Fauin	ment):	HILE OF USER
Ο.		TRAL SITE:	or symbol on hon ob	o equip		AUG 11 1972
	(1)	Mainframe(s)				HOR IT ISIE
	4 = 7	Model	C	Quantity		Core GROUP LIAISON
		347)	1		32	
		<u></u>				
					processor designations and the first temperature of the state of the s	
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
		3101			BE 102	2
				_	· · · · · · · · · · · · · · · · · · ·	
	(4)	Disk (s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		<del>854</del>	3		405	
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		Model	Quantity		Model	Quantity
		201				and the second s

FOCUS -	- 8 INSTALLATION REPORT Installation Code:	Page <u>2</u> o
6. a. (8)	QSE(s) (Quote Special Equipment)  QSE 4617 medification to 311-2 DSA	Quantity
(9)	Other Devices	
	3266 communications terminal controller 311-2 Data sot adapter multitran 1172 multiplexor 1BM 4872 modern	<u>Quantity</u>
b. REN	MOTE SITE(S):	•
(1)	Computer(s)	
	<u>Model</u>	Quantity
(2)	Other Remote Devices <u>Description</u>	Quantity
	WARE PROBLEMS URRING HARDWARE PROBLEMS:	
	Device No. of Occurrences (Or Rate of Occurrences)  501 Printer BI WUKY  415 Reader b, weekly  Console typewater monthly	Nature of Failure  Spacing  Realy light.  Stacker Pad  Springs
b. In yo	ur opinion, CDC's response to your hardware request(s) has been: ExcellentVery Good GoodX	FairPoor

	OPERATIONS			
	a. Schedule:	E	<b>-</b>	
		From	To	Day of Week
	Preventive Maintenance	0400	1000	Thursday
		<del></del>		
	· · · · · · · · · · · · · · · · · · ·			description of the second seco
	Cuetome Man-i-			
	Systems Work			
	·		-	
	Special Time Allotment		<del></del>	
	Special Time Anothern			
	·			
	· · · · · · · · · · · · · · · · · · ·			
	Production	6800	0000	M thuk
	•	0000	0800	M The F
		0800	1200	Sat
		@800	1700	Sun.
	Debugs			
	Batch			
	Charges based on:  Billing algorithm:	clock		
•	SPECIAL PROBLEMS: Describe any spe	cial problems t	hat have not been	accounted for by the above catego
	FUTURE PLANS: Describe any future in			-
	. Hardware:			

84



1.		RIBUTING ORGANI	ZATION:	MI	Installation Mame	s Stark Draper
2.	FOCL	JS CONTACT:	STRAN W.	1401	25/1 As	soc. Director
3.	DATE	6	Name 4. FOCUS	INSTALLA	ATION CODE:	DLAB.
5.	OBJE	CTIVES OF INSTAL	ATION: L	GP	30 ret	ired and
	_d	eclave	l Jur	plus	Plea	se remove
	00	W Orsan	ization	+00	in mem	hership
	<u>r</u>	0/15,			$\bigcap$	
_					Jo t	with Auch
ъ.		WARE (include vend TRAL SITE:	or symbol on non-	CDC Equip	ment):	Uttice of User
	(1)	Mainframe(s)			V	AUG 28 1972
		$\frac{Model}{P}$	30	Quantity		Core (K) GROUP LIAISON
				÷		
	(2)	Console(s)		(3)	Tape Transport(s)	
	•	Model	Quantity		<u>Model</u>	Quantity
				·		
	(4)	Disk(s)		(5)	Card Reader(s)	^
	(4)	Model	Quantity		Model	Quantity
					***	
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		Model	Quantity	*	Model	Quantity

a. (8)	QSE(s) (Quote Special Equip	iment)	
		Description	Quantity
(9)	Other Devices		
		Description	Quantity
S DEM	OTE SITE(S):		
(1)	Computer(s)		
		Model	Quantity
	****		
			·
			· · · · · · · · · · · · · · · · · · ·
(2)	Other Remote Devices		
		Description	Quantity
	War with the control of the control		
HARD	WARE PROBLEMS		
a. REC	URRING HARDWARE PROBL	EMS:	
	Device	No. of Occurrences	Nature of Failure
	edita Right anni a cana	(Or Rate of Occurrences)	
4.			

Poor

Longest time period between hardware/software failures

10.	OPERATIONS			
	a. Schedule:	From	То	Day of Week
	Preventive Maintenance			
	Systems Work			
	Systems work		**************************************	
	Special Time Allotment	<del></del>		
	D . 1			
	Production	-		
		<del></del>	<del></del>	:
	Debugs			
	-			
			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	c. Accounting Method:			
	Charges based on:			
	Billing algorithm:			
11.	SPECIAL PROBLEMS: Describe any sp			
12.	FUTURE PLANS: Describe any future i	mplementation	s to your current c	onfiguration:
	a. Hardware:			
	b. Software:			ş

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



1. CONT	RIBUTING ORGAN	NIZATION: Du Pa	NT	-TEXTILE	RESEARCH T
stn <u>ut</u>	Run, Will	MINGTON	_ ]	DEZ AWANE	- 19898
					Supervisor
		4. FOCUS IN	•	· · · · · · · · · · · · · · · · · · ·	i itie
	Yr. Mo. Day CTIVES OF INSTAL				
			57	DATA FR	om Instron
IN	REAL T	IME			
(2)		VANIOUS. S	1747	ISTICAL A	NALYSEZ
FOR	FIBERS	RESEARCH			
6. HARE	DWARE (include ven	dor symbol on non-CDC	Equip	ment):	UTTILE OF USER
	ITRAL SITE:				AUG 1 0 197>
(1)		0			
	<u>Model</u> 17 ⊘ <b>≰</b>	<u>u</u>	uantity		Core (KROUP LIAISON
	1109				
401			4-1		
(2)	Console(s)  Model	Quantity	(3)	Tape Transport(s)  Model	Quantity
	1712	<u> </u>			
mo	del 35 TELET	ype I	_		
		<del></del>			
(4)	Disk(s)		(5)	Card Reader(s)	
(-47	Model	Quantity		Model	Quantity
			_		
			<del>-</del>	-	
			-		
40.			(7)	Data Cell(s)	
(6)	Line Printer(s)	Quantity	(/)	Model	Quantity
	Model	Guantity	-	17.000	Samile y
			-		and the second s
		A STATE OF THE STA	<u>-</u> ·		

	Description	Quantity
(1) High sp	CED INTERFACE	
(2) Low 5/	SED INTERFACE	
(9) Other Devices		
	Description	Quantity
Model	33RO TELETYPES	12
Mod = L	33 U/801 Kzybona	
1723	TAPE Purch	
	Tripe REAder	7
REMOTE SITE(S):		
(1) Computer(s)		
	Moctel	Quantity
DIGITAL E	EquipMENT PDP-	10 2
UNIVAC	1108	
(2) Other Remote Devices	Description	Quantity
(2) Other Remote Devices	Description	Quantity
(2) Other Remote Devices	Description	Quantity
		Quantity
ARDWARE PROBLEMS		Quantity  Nature of Failure
ARDWARE PROBLEMS RECURRING HARDWARE P	PROBLEMS:  No. of Occurrences	
ARDWARE PROBLEMS RECURRING HARDWARE P	PROBLEMS:  No. of Occurrences	
ARDWARE PROBLEMS RECURRING HARDWARE P	PROBLEMS:  No. of Occurrences	
ARDWARE PROBLEMS RECURRING HARDWARE P	PROBLEMS:  No. of Occurrences	
ARDWARE PROBLEMS RECURRING HARDWARE P	PROBLEMS:  No. of Occurrences	

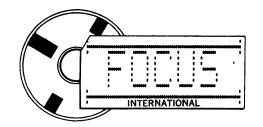
		ARE SYSTEMS nt Operating System Special	Latest Update	PSR No
ŧ	o. Local	Modifications (Add additional descriptio	n if desired, as appendix)	
		<u> </u>		
•		) (Quote Special Software)		
	(2)			
	(3) (4)			
. (		oiler and Library Routines:		h PSR Summary or Local Modification
į	e. Curre	nt Problems and Comments:		
	SOFTW	VARE PROBLEMS		
	a. Recui	rring Software Problems:		
	(1)	Operating System:		
	(2)	Compilers and System Routines:		
	h Invo	ur opinion, CDC's response to your softw	vare request(s) has been:	
	<b>.</b> , •	ExcellentVery Good		FairPoor

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

12. FUTURE PLANS: Describe any future implementations to your current configuration:

b. Software:

a. Hardware:



Pi	ttsburgh		177	Installation Name a. 15219	
	City		F	a. 15219 Sta	te
OC	US CONTACT: Jame	s R. Hayes		Mgr. Direct	or
	E: <u>72 / 08 / 09</u> Yr. Mo. Day			ATION CO <u>de:</u>	Title JQ
	CTIVES OF INSTALLA Processing of St		demic	Administrative	e Work.
					OFFICE OF USER
ARI	DWARE (include vendor	symbol on non-CE	C Equip	ment):	AUG 14 1972
CEN	NTRAL SITE:				-
(1)	Mainframe(s)				GROUP LIAISON
	Model		Quantity		Core (K)
	3200		1	32 I	K Words
(2)	Console(s)  Model	Quantity	(3)	Tape Transport(s)  Model  601	Quantity 4
(4)	Disk(s)	Quantity	(5)	Card Reader(s)  Model	Quantity
	<u>Model</u> 854	4		405	1
	Line Printer(s)		(7)	Data Cell(s)	
(6)				84 - 4 - 1	Quantity
(6)	Model501	Quantity 1		Model	Quantity

FOCUS -	8 INSTALLATION REPORT	Installation Code: <u>DUQ</u>	Page <u>2</u> of
6. a. (8)	QSE(s) (Quote Special Equipment)		
	Desc	cription	Quantity
(9)	Other Devices		
	Desc	ription	Quantity
	OTE SITE(S):		
(1)	Computer(s)		
	Me	<u>odel</u>	Quantity
(2)	Other Remote Devices		
<b>,</b> ,		ription	Quantity
7. HARD	WARE PROBLEMS		
a. RECU	JRRING HARDWARE PROBLEMS:		
	Device	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
	· · · · · · · · · · · · · · · · · · ·		

\_\_\_\_ Fair

Poor

\_\_\_\_Good

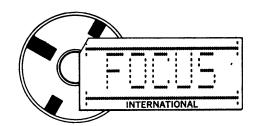
b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_\_ Excellent

X\_\_Very Good

FOCUS -	8 INSTALLATION REPORT	Installation Code: DUO	Page 3 of 4
8. SOFT\	NARE SYSTEMS MSOS		
	ent Operating System 4.0	Latest Update	PSR No. 250
b. Loca	al Modifications (Add additional descript	tion if desired, as appendix)	
	Local Job Accountin	g 	
c. QSS	(s) (Quote Special Software)		
(1)			
(2)			
(3) (4)			
d. Com	npiler and Library Routines:		ımmary or Local Modifications
	Fortran		
	Cobol		
e. Cur	rent Problems and Comments:		
9. SOFT	WARE PROBLEMS		
a. Rec	curring Software Problems:		
(1)			
(2)			
		(A	
b. In y	your opinion, CDC's response to your so  Excellent X Very Go	oftware request(s) has been:  od Good Fair	Poor
-	tem Stability:	uros	
	an time between hardware/software failt ngest time period between hardware/soft	ures	

10.	OPERATIONS			
	a. Schedule:  Preventive Maintenance	From 7	To 11	Day of Week · <b>Monday</b>
		7	9	Thursday
			9	Friday
	Systems Work			
		<del></del>		
	0. :17: 4			
	Special Time Allotment			
			-	
	Production			
	Debugs			
		***************************************		
	b. Job Scheduling: Describe your job sche			_
		rative Wo	rk Nort	
	c. Accounting Method:			
	Charges based on:			
	Billing algorithm:			
11.	SPECIAL PROBLEMS: Describe any s	pecial problems	that have not been a	counted for by the above categories:
12.	FUTURE PLANS: Describe any future			nfiguration:
	a. Hardware:			
	b. Software:			
		***************************************		
13.	ADDITIONAL COMMENTS: For A	dditional Comm	ents and/or System O	rganization Chart(s), append



. CON	NTRIBUTING ORGANIZA	ATION: <u>ELECTR</u>	216	MACHINER	Y MFG., Co.		
Į.	TINNE APOLIS			MINNESOTA State			
	City			\$ 77.77.74 <u>S</u>	tate		
. FO	CUS CONTACT: D. 7	- BERG Name		MNGR, SY	tate  USTEMS & DATA PRO Title  EM		
. DAT	ΓΕ: 7 / 9 / 6 Yr. Mo. Day	4. FOCUS IN	STALLA	ATION CODE:	EM		
. OBJ	ECTIVES OF INSTALLA	TION: COMPA	244	WIDE COA	1MERCIAL		
	WB SCIENTIF	C DATA	PRO	C 851N67			
					UFFICE OF USER		
					SEP 1 1 1972		
. HAF	RDWARE (include vendor	symbol on non-CDC	C Equip	ment):	GROUP LIAISON		
	ENTRAL SITE:		• •	•			
(1							
•	Model	Q	uantity		Core (K)		
	3/50				322		
(2	() Console(s)		(3)	Tape Transport(s)			
-,-	Model	Quantity	,_,	Model	Quantity		
	3150	<u>Quartity</u>		601	2		
			_				
(4)	) Disk(s)		(5)	Card Reader(s)			
	Model	Quantity		Model	Quantity		
	854	4		405	2		
			_		de desirence de la companya del companya de la companya del companya de la compan		
(6)	) Line Printer(s)		(7)	Data Cell(s)			
	Model	Quantity		Model	Quantity		
	501	/		-			
	3254	/		ages makes after retire to the control of the contr			
		· · · · · · · · · · · · · · · · · · ·		and the second section of the section of the second section of the section of the second section of the second section of the section of			

ocus -	- 8 INSTALLATION REPORT	Installation Code	: Page _2_ of
i. a. (8)	QSE(s) (Quote Special Equipment	)	
		Description	Quantity
(9)	Other Devices		
		Description	Quantity
	3691 PAPER TAPE	E REMDER - PU,	
	415 CARD P	4NCH	
	663 CAL COM	P PLOTTER \$7	TO TABE 1
b. REM	MOTE SITE(S):		
(1)	Computer(s)		
		Model	Quantity
(2)	Other Remote Devices	7 Mart 19 Mart	
	<u>D</u>	escription	Quantity
MADD	WARE PROPERTY		
	WARE PROBLEMS URRING HARDWARE PROBLEMS:		
	<u>Device</u>	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
	415 CARD PUNCH	FRE-QUENT	COMPARE ERRORS
	•		(LEGITMATE & FALSE)
	405 CARD REMORE		SLIPS CARDS DUR
			WAIT STATUS

\_\_\_\_Very Good

\_\_\_\_\_ Excellent

FOCUS - 8 INSTALLATION REPORT

Installation Code: EM Page 3

EM

Page 4 of ₹

FOCUS - 8 INSTALLATION REPORT Installation Code:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append



I. CONT	TRIBUTING ORGANIZ	ATION: EL	PASO	COUNTY Installation Name	
	Colo. Spr.		<del></del>	S	6 tate
. FOCI	US CONTACT: Die	ck VoceL	·		
	E: 72   8   8 Yr. Mo. Day	4. FOCUS I	INSTALLA	ATION CODE:	Title EPC
. OBJE	Yr. Mo. Day CTIVES OF INSTALLA	TION: Loca	al Go	VERNMENT (	CAMPUTING
					OFFICE OF USER
· · · · · · · · · · · · · · · · · · ·					AUG 1 1 1972
	DWARE (include vendor	symbol on non-C	DC Equip	ment):	
	NTRAL SITE:				GROUP LIAISON
(1)	Mainframe(s)		Quantity		Core (K)
	Model 1604 B		Quantity		32 K
(2)	Console(s)		(3)	Tape Transport(s)	
	Model	Quantity		Model	Quantity
				606	4
(4)	Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		Model	Quantity
			and the same	495	
(6)	Line Printer(s)		(7)	Data Celi(s)	
(0)	Model	Quantity	(,,	Model	Quantity
	501				
	1				

b. In your opinion, CDC's res	ponse to your hardware	request(s) has bee	n:	
Excellent	Very Good	Good	Fair	Poor

FOC	CUS - 8	3 INSTALLATION REPORT	Installation Code:	EPC	Page 3 of
		ARE SYSTEMS  nt Operating System <u>CCOP</u>	Latest Update	PS	R No.
t	o. Local	Modifications (Add additional descript	ion if desired, as appendix)		
		PONE			
(	c. QSS(s	(Quote Special Software)			
	(2) (3) (4)	Non	€		
•	d. Comp	oiler and Library Routines:	Updated thro	ugh PSR Summary	or Local Modifications
		FORTRAN			
	e. Curre	ent Problems and Comments:	NE		
		VARE PROBLEMS  Irring Software Problems:			
	(1)	,			
	(2)	Compilers and System Routines:			
	b. In yo	our opinion, CDC's response to your so	ftware request(s) has been:	Fair	Poor
	Mear	em Stability: n time between hardware/software failu gest time period between hardware/soft	ures UN KUOWN tware failures UN KNOW	مهن	

	OPERATIONS  a. Schedule:  Preventive Maintenance	From <i>6:00 f\</i> N	То	Day of Week
	a. Schedule:			Day of Week
i				Day of Week
	Preventive Maintenance -	6:00 AM		Day of freek
	-		8:00 AM	5
	·			
	Combana a Warni.	<del></del>		, )
	Systems Work		-	UNSCHEDULED
	-	<del></del>	<del></del>	
	Special Time Allotment			
	-			
	-		-	
	Production -	8:00 AM	9:00 PM	
	Froduction	0,00 FY'	<u>9:00 F//1</u>	
	-		-	
			-	***************************************
	Debugs _			UNSCHEDULED
	-	**************************************		
	-			
	-		-	
t	De Scheduling: Describe your job schedu BATCH	ling algorithm		
			No.	
C	. Accounting Method:	~ -		
		LIME		······································
	Billing algorithm: Pon	<u>e</u>	**************************************	
. 8	SPECIAL PROBLEMS: Describe any spe			counted for by the above categor
		· · · · · · · · · · · · · · · · · · ·		
	**************************************			
, .	CUTURE DUANCE			
. г	FUTURE PLANS: Describe any future in	npiementations	to your current con	riguration:
а	. Hardware: Would 41	IE 1107	TING # AD	DITICNAL /APES
b	. Software:			



	PHOENIX			OLA S Installation Na AZ.	State
	US CONTACT: DIC	Name		PROG	. MGR
DAT	E: 72 / 8 / 20 Yr. Mo. Day	4. FOCUS I	NSTALL	ATION CODE:	EPI
OBJE	CTIVES OF INSTALL	ATION: MF	G (	CONTROL	APPLICATION
					UFFICE OF USER
	DWARE (include vendo NTRAL SITE:	r symbol on non-Cl	DC Equi	pment):	AUG 28 1972
(1)	Mainframe(s)				GROUP LIAISON
	Model		Quantity	Core (K)	
1700			2	32K EACH	
(2)	Console(s)		(3)	Tape Transport(s)	
	<u>Model</u>	Quantity	·	Model	Quantity
***			*******		
(4)	Disk(s)  Model	Quantity	(5)	Card Reader(s)  Model	Oversiev
	853	3	<del></del>	43 o	Quantity
(6)	Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity
	1742	•			

#### 7. HARDWARĘ PROBLEMS

a. RECURRING HARDWARE PROBLEMS:

<u>Device</u>				ocurrences Occurrences	Nature of Failure			
		- , <del></del>		-				
		-		-				
		-	-	-				
	CDC's response to v		4	-/-Y b b				

	Excellent		Very Good	(	Good	Fair	Po
•		•		•			

Longest time period between hardware/software failures

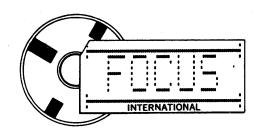
	——————————————————————————————————————	
11.	SPECIAL PROBLEMS:	Describe any special problems that have not been accounted for by the above categories:

c. Accounting Method:

12. FUTURE PLANS: Describe any future implementations to your current configuration:

a. Hardware:

b. Software:

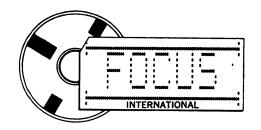


1.	CONT	RIBUTING ORGAN	IZATION: Central	& South	ern Florida Flo	ood Control District
		st Palm Beach			Florida	
		City			\$	State
2.	FOC	JS CONTACT: Wil	liam B. Stelwag	gon, Jr.	EDP Manage	r Title
3.		: 72/ 8 / 21 Yr. Mo. Day			ATION CODE: FO	
5.		CTIVES OF INSTAL				
	(	1) Support real	time Telementa	ry syste	m.	
	(	2) Process Engi	neering and Fin	ancial d	ata.	
						Utfice OF USER
						AUG 25 19/2
6.	HARD	WARE (include vend	lor symbol on non-(	CDC Equip	ment):	·
		ITRAL SITE:	·			GROUP LIAISON
	(1)	Mainframe(s)				
		Model		Quantity		Core (K)
		3114		1		32K
		* 3114		1		32K
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
		3101	1		604	3
		*3101	1		* 604	1
					PEC 5091	1
	(4)	Disk(s)		(5)	Card Reader(s)	
	(-)	Model	Quantity	, ,	Model	Quantity
		854	<u></u>		405 (ASCII)	1
		* 854	1		* 405 (ASCII)	1
				(-)	D . O !!/ )	
	(6)	Line Printer(s)		(7)	Data Cell(s)	Ougatitu
		Model	Quantity		Model	Quantity
		501	1			
		* 3256	1			

Description  Automatic Restart  * Automatic Restart  * Automatic Restart  (9) Other Devices  415 Card punch (ASCII) (1)  * 8271D Transfer switch (1),  10018 Floating point (1),  b. REMOTE SITE(S): (1) Computer(s)  Model  (2) Other Remote Devices  Description  Model	on , * 3266 Comm. term. Con 3691 Paper tape reader/	punch (1),
Automatic Restart  * Automatic Restart  * Automatic Restart  (9) Other Devices  Obescription  415 Card punch (ASCII) (1)  * 8271D Transfer switch (1),  10018 Floating point (1),  b. REMOTE SITE(S): (1) Computer(s)  Model	on , * 3266 Comm. term. Con 3691 Paper tape reader/	Quantity ntroller (2) /punch (1), nt (1).
Automatic Restart  * Automatic Restart  (9) Other Devices  415 Card punch (ASCII) (1)  * 8271D Transfer switch (1),  10018 Floating point (1),  b. REMOTE SITE(S): (1) Computer(s)  Model	on , * 3266 Comm. term. Con 3691 Paper tape reader/	Quantity ntroller (2) /punch (1), nt (1).
* Automatic Restart  (9) Other Devices  415 Card punch (ASCII) (1)  * 8271D Transfer switch (1),  10018 Floating point (1),  b. REMOTE SITE(S): (1) Computer(s)  Model	, * 3266 Comm. term. Con 3691 Paper tape reader/	Quantity otroller (2) punch (1), ot (1).
(9) Other Devices  415 Card punch (ASCII) (1)  * 8271D Transfer switch (1),  10018 Floating point (1),  b. REMOTE SITE(S): (1) Computer(s)  Model	, * 3266 Comm. term. Con 3691 Paper tape reader/	troller (2)  /punch (1),  nt (1).
415 Card punch (ASCII) (1)  * 8271D Transfer switch (1),  10018 Floating point (1),  b. REMOTE SITE(S): (1) Computer(s)  Model	, * 3266 Comm. term. Con 3691 Paper tape reader/	troller (2)  /punch (1),  nt (1).
415 Card punch (ASCII) (1)  * 8271D Transfer switch (1),  10018 Floating point (1),  b. REMOTE SITE(S): (1) Computer(s)  Model	, * 3266 Comm. term. Con 3691 Paper tape reader/	troller (2)  /punch (1),  nt (1).
* 8271D Transfer switch (1),  10018 Floating point (1),  b. REMOTE SITE(S): (1) Computer(s)  Model  (2) Other Remote Devices	3691 Paper tape reader/	punch (1),
b. REMOTE SITE(S): (1) Computer(s)  Model  (2) Other Remote Devices	and *10018 Floating poin	
(1) Computer(s)  Model  (2) Other Remote Devices		Quantity
(2) Other Remote Devices		Quantity
(2) Other Remote Devices		Quantity
Description		
	on_	Quantity
* To be delivered December 1972.		
HARDWARE PROBLEMS		
a. RECURRING HARDWARE PROBLEMS:		
	o. of Occurrences Rate of Occurrences)	Nature of Failure

R No. 237	
1 No. 23	
t No. 23	_
	7
or Local Mo	dificatio
<del></del>	
valuate)	)
Poor	
	valuate)

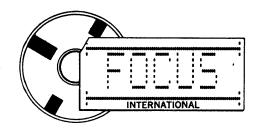
	redule:	From	To	Dan at Mari
u. 0011	Preventive Maintenance	7:00 AM	9:00 AM	Day of Week <u>Mon., Wed., a</u> nd Frida
	Freventive Maintenance			none, wear, and rride
	Systems Work			
			***************************************	
			<del></del>	
	Special Time Allotment	-		
		***************************************		
		**************************************		
	5			
	Production			· · · · · · · · · · · · · · · · · · ·
			***************************************	
	Debugs	**************************************		
	2020g3			
b. Job	No other schedule at Scheduling: Describe your job s			
b. Job				
	Scheduling: Describe your job so	cheduling algorithm		
	Scheduling: Describe your job so counting Method:  Charges based on: CPU times.	cheduling algorithm	rs used - do	wn time)
c. Acc	counting Method: Charges based on: Billing algorithm:  Monthly	me y charge/(Hour		wn time) accounted for by the above categor
c. Acc	counting Method: Charges based on: Billing algorithm: Monthly  IAL PROBLEMS: Describe an Most software prob documentation.  JRE PLANS: Describe any fur	me y charge/(Hour ny special problems ti lems have been	hat have not been a result po	accounted for by the above categor DON and incomplete
c. Acc	counting Method: Charges based on: Billing algorithm: Monthly  IAL PROBLEMS: Describe an Most software prob documentation.  JRE PLANS: Describe any fur	me y charge/(Hour ny special problems ti lems have been	hat have not been a result po	accounted for by the above categor oor and incomplete



1.	CON	TRIBUTING ORGAN	IZATION: FRA	nk	FORD ARS	ENAL
		Philadelphi	(a		Pennsylvi	9.2016
2.	FOC	US CONTACT: E	STher GIRES 14	tan	MATh Te	chnieran
3.	DATE	:7218130	4. FOCUS IN	ISTALL	ATION CODE:	FCED
5.	OBJE	CTIVES OF INSTAL	LATION: Optu	ial	Design	
						UTCICE OF USER
	***************************************					SEP 1 1 1972
6.	HARE	OWARE (include yend	lor symbol on non-CD	C E		GROUP LIAISON
Ç.		JTRAL SITE:	or symbol on non-CD	C Equip	oment):	
	(1)	Mainframe(s)				
		Model	g	Quantity		Core (K)
		<u>LGP30</u> <u>G</u> 15		2		4096
		G 15				4096
		-				
	(2)	Console(s)		(0)	<b>-</b>	
	(2)	Model	Quantity	(3)	Tape Transport(s)  Model	Overtitus
		Woder	Coantity		woder	Quantity
			~			
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
					324-2	
		-		-	42	
				_		
	(6)	Line Printer(s)		(7)	Data Cell(s)	
	(0)	Model	Quantity	- (7)	Model	Quantity
		222	duantity		Woder	Quantity
			<u> </u>			
					<del></del>	
			<del></del>			

***************************************				
			****	
our opinion, CDC's				
our opinion, CDC's		equest(s) has bee		 Poo

	c. Accounting Method:
	Charges based on:
	Billing algorithm:
11.	SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above categories:
12.	FUTURE PLANS: Describe any future implementations to your current configuration:  a. Hardware:
	b. Software:

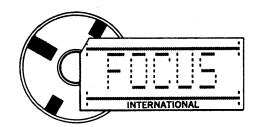


1.	CONT	TRIBUTING ORGAN	IZATION: M	ULTIPI		MITED
		Toron			Installation Nan Ontario, (	
_		City				State
2.	FOC	US CONTACT: De	nnis Thomas Name		Manager,	Systems Software
3.	DATE	: 72 / 09 / 04 Yr. Mo. Pay	_ 4. FOCUS I	NSTALL	ATION CODE:	GCCL
5.		CTIVES OF INSTALI	-ATION: Marke	ting o	of computer r	resources and
	a	pplication pac	kages through	the i	use of low ar	nd high speed
	t	erminals and o	ver the count	er fac	cilities.	
	***************************************					UFFICE OF USER
6.	HARE	DWARE (include vend	or symbol on non-Cl	DC Equip	oment):	SEP 1 2 1972
	a. CEN	ITRAL SITE:				MOSIAL CHOO
	(1)	Mainframe(s)				GROUP LIAISON
		Model		Quantity		Core (K)
		3500		1		131 K
		6600		1	and the state of t	131 K
	4					
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
		typewriter 6612	1		607	4
		6612	1	<del></del>	*607	6
		***************************************				
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		841-8	1	*****	405	<u> </u>
		854	13	·	*405	1
		*841-8	2			
		841-4	1			
	(6)	Line Printer(s)	•	(7)	Data Cell(s)	
		Model	Quantity		Model	Quantity
		512	1			
		*512	2	-	****	

		· · · · · · · · · · · · · · · · · · ·			
b. In your c	opinion, CDC's res	sponse to your hardware	e request(s) has bee	n:	
· · · · · ·	Excellent	Very Good	_X Good	Fair	Poor

OCUS -	8 INSTALLATION REPORT	Installation Code:	Page 3 of
. SOFT	WARE SYSTEMS		
a. Curi	ent Operating System <u>MASTER</u> 2.1	Latest Update	PSR No
	Modifications (Add additional description Many major changes inc Task suspension that w Accounting MODS Security added for fil terminals (s) Security accounts to pass files	luding: Easy to usorks English Interaction es, jobs,Text edit	
	(s) (Eddote Special Software) 12200		
(2)	- MONII		
(3)			
(4)			
d. Com	piler and Library Routines: MS FTN		Summary or Local Modifications: Lus local MODS
	FTNU 2.1	PSR Level 24	
	UCBL 2.1	PSR Level 24	3 + Local MODS
	ALGOL	Master 2.0 Re	elease
	BASIC		
	SORT V 2.1		
	TSRT 3.0		
e. Curr	ent Problems and Comments:  Use cap tapes only for	ANSI compilers and	i SORTS.
SOFT	WARE PROBLEMS		
	urring Software Problems:		
	Operating System:		
(2)	Compiler and run time by		
b. In y	our opinion, CDC's response to your softwar	e request(s) has been:	
	Excellent Very Good	Good _XFair	Poor
c. Syst	em Stability:		
Mea	n time between hardware/software failures	24 hours	
	gest time period between hardware/software		

).	OPERATIONS			
	a. Schedule:	From	То	Day of Week
	Preventive Maintenance	12 a.m.	6 p.m.	Monday
		4 a.m.	6 a.m.	Tuesday, Thursday
		***************************************		
	Systems Work	12 a.m.	11 p.m.	Sunday
		<u> 11 p.m.</u>	3 a.m.	Monday - Saturday
			<del>*************************************</del>	
	Special Time Allotment			
		-		
		<del></del>		
	Production	8 a.m.	11 p.m.	Monday - Saturday
				-
	Debugs	***************************************	*	
		***************************************	-	
	b. Job Scheduling: Describe your job sche <u>Close to standard</u>			
	Close to standard  c. Accounting Method:	Master.  e, memory,	tapes, li	ines, cards read-punch
	Close to standard  c. Accounting Method:  Charges based on: CPU time	Master.  e, memory,	tapes, li	ines, cards read-punch
	c. Accounting Method: Charges based on: CPU time Billing algorithm:  SPECIAL PROBLEMS: Describe any We have had to put	Master.  e, memory,  special problems a	tapes, li that have not been effort int	ines, cards read-punch accounted for by the above categories to keeping many files
	c. Accounting Method: Charges based on: CPU time Billing algorithm:  SPECIAL PROBLEMS: Describe any We have had to put (10,000) intact in	Master.  e, memory,  special problems a lot of spite of	tapes, li that have not been effort int	ines, cards read-punch accounted for by the above categories to keeping many files
	c. Accounting Method: Charges based on: CPU time Billing algorithm:  SPECIAL PROBLEMS: Describe any We have had to put	Master.  e, memory,  special problems a lot of spite of	tapes, li that have not been effort int	ines, cards read-punch accounted for by the above categories to keeping many files
	c. Accounting Method: Charges based on: CPU time Billing algorithm:  SPECIAL PROBLEMS: Describe any We have had to put (10,000) intact in	Master.  e, memory,  special problems a lot of spite of	tapes, li that have not been effort int	ines, cards read-punch accounted for by the above categories to keeping many files
	c. Accounting Method: Charges based on: CPU time Billing algorithm:  SPECIAL PROBLEMS: Describe any We have had to put (10,000) intact in	Master.  e, memory,  special problems a lot of spite of elp.	tapes, li that have not been effort int recurring	ines, cards read-punch accounted for by the above categories to keeping many files disk problems. CDC's
	c. Accounting Method:  Charges based on: CPU time Billing algorithm:  SPECIAL PROBLEMS: Describe any We have had to put (10,000) intact in software doesn't he	e, memory, special problems a lot of spite of elp.	tapes, li	ines, cards read-punch accounted for by the above categories to keeping many files disk problems. CDC's configuration:
	c. Accounting Method: Charges based on: CPU time Billing algorithm:  SPECIAL PROBLEMS: Describe any We have had to put (10,000) intact in software doesn't he	e, memory, special problems a lot of spite of elp. e implementation 3.	tapes, li	ines, cards read-punch accounted for by the above categories to keeping many files disk problems. CDC's configuration:



	CONTRIBUTING ORGANIZATION: S			INGER - LIBRASCOPE Installation Name  CALIF. State		
	JS CONTACT: CHAR					
DATE	:: 72   8   28 Yr. Mo. Day	4. FOCUS IN	NSTALLA	ATION CODE:	GPL	
OBJE	Yr. Mo. Day CTIVES OF INSTALLA	TION: To 1	COULD.	E THE OPER	ATING AREAS	
FI	CTIVES OF INSTALLA  NANCE MANNE  FORMATION & E  EIR TASKS OF	ACTURING, 7	FNGI	NEERING W	ITH THE	
111	FORMATION &	SERVICE NE	ELESS	ARY FOR TH	EM TO PERFOR	
TH	EIR TASKS OF	DAY TO	DAY	OPERATION	5	
					UFFICE OF USER	
	DWARE (include vendor	symbol on non-CD	C Equip	ment):	AUG 31 1972	
	NTRAL SITE:				HOU OI 1012	
(1)	Mainframe(s)				GROUP LIAISON	
	Model 2 2		Quantity		Core (K) 32K	
	3300				32 N	
(2)	Console(s)  Model  330	Quantity	(3)	Tape Transport(s)  Model  604	Quantity 4	
(4)	Disk(s)  Model  84/	Quantity 4	(5)	Card Reader(s)  Model  405	Quantity	
(6)	Line Printer(s)  Model  1403-IBM  50-58M	Quantity	(7)	Data Cell(s)  Model	Quantity	

FOCUS - 8	INSTALLATION REPORT Installation Code:	GPL Page 2 of
6. a. (8) O	SE(s) (Quote Special Equipment)	
	<u>Description</u>	Quantity
(9) O	ther Devices	
	Description	Quantity
· · · · · · · · · · · · · · · · · · ·	3266 COMMUNICATION MULTIPLES	SOR. I
	3266 COMMUNICATION MULTIPLES 3694 PAPER TAPE REMOER/PUNCH 2020 DATA COMPILERS	<del>-</del>
	2020 DATA COMPILERS	2
	E SITE(S):	
(1) Co	omputer(s)	
	<u>Model</u>	Quantity
. <u>-</u>		<u> </u>
(2) Ot	ther Remote Devices	
	Description	Quantity
	H 2000 CRT DISPLAYS	2
	200 USER TERMINAL	
	1010 DATA TRANSACTORS	18
	ARE PROBLEMS RING HARDWARE PROBLEMS:	
a. necon		Natura of Eathern
	No. of Occurrences (Or Rate of Occurrences)  NOTHING OF MAJOR SIBNIFICANCE	Nature of Failure
7		
<del></del>		

Poor

b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_\_ Excellent

X Very Good

FOCUS - 8 INSTALLATION REPORT

Installation Code: GPL Page 3 of #

0.	OPERATIONS			
	a. Schedule:	From	To	Day of West
	Preventive Maintenance	1:00PM	_5:30PM	Day of Week
	Victorial Walliterial ICE	11:30 AM	1:30 PM	FRIDAY
				- Crical
	Systems Work		-	
			-	
	Consider The Carlo			
	Special Time Allotment			As REQUIRED
	Production	ALL OTH	ER TIME	NOT ACCOUNTED FOR
				THREE SHIFT SOMEDULE
		·	- /	
	_	0.1	-	
	Debugs	9:00 RM	10:00 AM	MONDAY - FRIDAY
		191	44. 194.	
		12:00 PM	1:407M	
	b. Job Scheduling: Describe your job so	9:00 PM ANY SPE	10:PM	PRE-BRLANGED
	b. Job Scheduling: Describe your job so  BRICK PROCESS  FINANCIAL S	9:60 PM ANY SPE  Cheduling algorithm AS Die	10:PM	PRE-BRLANGED
	C. Accounting Method:  Charges based on: ELRPS	9:60 PM  ANY SPECHEDULING AS DIG	CLOCK TO	PRE-BRLANGED  Y MANUFACTURING
	C. Accounting Method:  Charges based on: ELRPS	9:60 PM  ANY SPECHEDULING AS DIG	CLOCK TO	PRE-BRLANGED  Y MANHERETURING
	C. Accounting Method:  Charges based on: ELRPS	9:60 PM  ANY SPECTOR PM  CHECULING ALGORITHM  SOIVE DOLLES  SED WALL  LAKER, MATERIAL	CLOCK TO BE	PRE-BRLANGED  Y MANNERCTURING  TIME  UT USED IS BILLED TO USE
	C. Accounting Method:  Charges based on:  Billing algorithm:	9:60 PM  ANY SPECTOR PM  CHECULING ALGORITHM  SOIVE DOLLES  SED WALL  LAKER, MATERIAL	CLOCK TO BE	PRE-BRLANGED  Y MANNERCTURING  TIME  UT USED IS BILLED TO USE
	C. Accounting Method:  Charges based on:  Billing algorithm:	9:60 PM  ANY SPECTOR PM  CHECULING ALGORITHM  SOIVE DOLLES  SED WALL  LAKER, MATERIAL	CLOCK TO BE	PRE-BRLANGED  Y MANNERCTURING  TIME  UT USED IS BILLED TO USE
l. ,	C. Accounting Method:  Charges based on:  Billing algorithm: Accuse  SPECIAL PROBLEMS: Describe an	9:60 PM  ANY  SPECHEDULING AS DIE  SOLVEDULES  SED WALK  LAKOR, MATERIAL  BY special problems the	CLOCK TO A EQUIPMENT at have not been a	PRE-BRL HNGED  Y MANUFACTURING  TI ME  UT USED IS BILDED TO USER  counted for by the above categories
	C. Accounting Method: Charges based on: Billing algorithm: Accurate  SPECIAL PROBLEMS: Describe an	9:60 PM  ANY SPE  Cheduling algorithm  NG AS DI  SOINE DOLLES  SED WALLES  LABOR, MATERIAL  by special problems the	CLOCK To A Equipment at have not been a	PRE-BRL HNGED  Y MANUFRETURING  TI ME  CCOUnted for by the above categories  Infiguration:
l. ·	C. Accounting Method:  Charges based on:  Billing algorithm: Accuse  SPECIAL PROBLEMS: Describe an	9:60 PM  ANY SPE  Cheduling algorithm  ING AS DIO  SOINE DOLLES  SED WALK  LAKER, MATERIAL  BY special problems the  UNG AS DIO  ORE & DIS	CLOCK TO YOUR CUTTENT CO	PRE-BRL HNGED  TIME  TIME  CCOUnted for by the above categories  Infiguration:  TY — REPLACE DATA



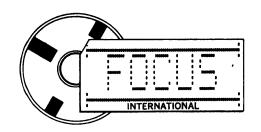
ī.		RIBUTING ORGANIZ	ATION: GET	17 0	Installation Name DEL 197	
_		City	COLFIL		St	ate
۷.		JS CONTACT: C.E	Name			Title
3.	DATE	: 72/08/23 Yr. Mo. Day	4. FOCUS II	NSTALL/	ATION CODE:	FTY
5.	OBJE	CTIVES OF INSTALLA	ATION: PROCE	₹ 22 C	ONTROL AND	DATA ACQUISITION
						OFFICE OF USER
						AUG 20 1972
6.		DWARE (include vendor ITRAL SITE:  Mainframe(s)	r symbol on non-CE	OC Equip	ment):	GROUP LIAISON
		Model		Quantity		Core (K)
		1700		2		32
	(2)	Console(s)		(3)	Tape Transport(s)	:
		Model /5787	Quantity 9		Model	Quantity
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity 2		Model 1720	Quantity
					1729 430	2
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		Model 1742	Quantity 2		Model	Quantity

FOCUS	- 8 INSTALLATION REPORT I	nstallation Code:	GTY Page 2 o
6. a. (8)	QSE(s) (Quote Special Equipment)		
	Description	<u>1</u>	Quantity
(9)	Other Devices		
	Description		Quantity 2
	PAC COMPUTER/LOGGER	RINTERFACE	2
b. REN (1)	MOTE SITE(S):  Computer(s)	,	
	<u>Model</u>		Quantity
(2)	Other Remote Devices		
	SCANIVALVES		Quantity
	1583 TYPEWRITERS PANELLIT LOG TYPERS		14
	WARE PROBLEMS URRING HARDWARE PROBLEMS:		
u. 1120	Device No. o	of Occurrences te of Occurrences)	Nature of Failure
		-	`
		-	
b. In yo	ur opinion, CDC's response to your hardware req	quest(s) has been:	
	Excellent Very Good	Good	Fair Poor

		ARE SYSTEMS EOO 6 nt Operating System MSOS 2 Latest Up	odate2	/70	PSF	R No	?
b. Lo	ocal	Modifications (Add additional description if desired, as				Tail	a.ı –
		ANALOG/DIGITAL INPUT			INPUT /		
		AVERAGING			PROCES		
		SCANNING					
c. Q:		(Quote Special Software)	-2				
(2	?)						
(3							
(4	1)						
d. C	omp	oiler and Library Routines: FORTRAN MASS 570RAGE	Updated th		R Summary		
		FORTRAN DIRECT ADDRESS STORE	M	m			
e. C	urre	Int Problems and Comments:  JOB PROCESSOR LOCKOUT					
		BREAKPOINT INPUT					
		OKCHA POPIOT PROTOS					
SOF	=TV	VARE PROBLEMS					
a. R	lecu	rring Software Problems:					
(1	1)	Operating System:					
(2	2)	Compilers and System Routines: _ ALL &. L.					
				,			
b. Ir	n yo	ur opinion, CDC's response to your software request(s	) has been:				
		ExcellentVery GoodG			r	Poor	

	PERATIONS				
a	. Schedule:	From	То		ay of Week
	Preventive Maintenance	9:00	10:60	MOND	
		/0:00	//:00	MOND	AY
					cheduled
	Systems Work			MOTA	chaura
				***	
	Special Time Allotment			none	
	Production			consta	nt
		<del></del>			
				¥.	cheduled
	Debugs			mor so	ckedulea
b.	Job Scheduling: Describe your job schedu				
b.		iling algorithm	ST CONTO	45	
b.			ST CONTO	46	
			ST CONTO	L&	
	ON DEMAND VIA	6 PERATUR		LE	
	Accounting Method:	6 PERATUR		L&	
C.	Accounting Method: Charges based on:	6 PERATOK			y the above catego
C.	Accounting Method: Charges based on: Billing algorithm:	6 PERATOK			y the above catego
c. Si	Accounting Method: Charges based on: Billing algorithm:	ecial problems t	hat have not bee	n accounted for b	y the above catego

128

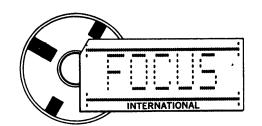


1.	CONT	RIBUTING ORGANIZA	TION: HEALT	H CO	MPUTER SC	ENCES UNIV. OF A	1 INNESOTA
	/	MINNEAPOLIS City			MINNES	OTA	
					The second secon		
2.	FOCL	IS CONTACT: LA	NRENCE O	ZGA	RESEA	CCI+ FELLOW	
3.	DATE	: 72 / 8 / 9			ATION CODE:		
5.	OBJE		TION: THE	PRIN	1ARN GO	AL OF THE	
		IVERSITY OF					
		IENCES CENT					
						COMPUTERS	
	IN	MEDICINE					
				J J. L.		OFFICE OF USER	
6.	HARD	WARE (include vendor	symbol on non-CD	C Equip	ment):		
	a. CEN	TRAL SITE:				AUG 14 1972	
	(1)	Mainframe(s)				GROUP LIAISON	
		Model	<u>G</u>	Quantity		Core (K)	
		3300		_1		96K	
		PDP-12				16K (12 BIS)	
	4						
	(2)	Console(s)	_	(3)	Tape Transport(s)		
		Model C C C C C C C C C C C C C C C C C C C	Quantity		Model Carl	Quantity / L	
		3300	<u> </u>	<del></del>	601		
		-					
		-					
	(4)	Disk (s)		(5)	Card Reader(s)		
	147	Model	Quantity	(0)	Model	Quantity	
		541	5		405	1	
		<u> </u>		-			
	(6)	Line Printer(s)		(7)	Data Cell(s)		
	,0,	Model	Quantity	1.,	Model	Quantity	
		512	1			AMERICAN CONTRACTOR	
						Augstraliging Annapare Products in Ambara and all the Ambara and annapare and an an anapare and annapare and annapare and	

h (	:::: CDC/				
D. IN YO	our opinion, CDC s res	ponse to your hardware	request(s) nas beer	1:	
	Excellent	Very Good	Good	Fair	Poor

FC	CUS -	8	INSTALLATION REPORT Installa	tion Co	de: HC5	Page 3 of	_
8.			RE SYSTEMS Operating System3, O Latest	Update _		PSR No.	_
	b. Loca	<u> </u>	odifications (Add additional description if desired LRTOS-211 CRT INTERACTIVE SIFETOS-TELETYPE INTERACTIVE OCAL FILE BACKUP V TICITY RIVER FOR PDP-12 COMMUNICATION LINK	<u>YS</u> , SYS	BASIC CO AUTOMATEL		- _PARAMS -
	(1) (2) (3) (4)	(s) 	(Quote Special Software)				-
	d. Com		rand Library Routines: MS FORTRAN  USASI FORTRAN  USASI COBOL  ALGOL  COMPASS  META	Lo	CAL MOP!	mary or Local Modifications S FOR TECET INTERACTIONS	TYPE
	e. Curr	ent	Problems and Comments:  USASI COBOL IS FULL  UPDATES—BUT THEY I  THAN THEN SOLVED	NTRC			
9.	SOFT	<b>WA</b> I	RE PROBLEMS				
	*	ırrin	g Software Problems:				
	(1)		Perating System: SUSPENSION / SERY INEFFICIENT				
	(2)	Co	MERY (NEFFICIENT Impilers and System Routines: MANY	BUC	55 (N U	SASI COBOL	<del>-</del>
	b. In yo		opinion, CDC's response to your software requestExcellentVery Good		en: Fair	Poor	
	Mear	n tim	Stability: ne between hardware/software failures	VCE	A WEE	=K	_

	RATIONS	-	<b></b> .	•	- 6 38/ 1
a. Sch	edule: Preventive Maintenance	From 6AM	G AM	TUES,	ay of Week THOR
	Freventive Maintenance				
		***************************************			
	Systems Work	11.3C/AM	12:30PM	DAIL	Y M-F
	Systems Work	4:30PM	6 PM	PAIL	YM-F
	Special Time Allotment				
	oposiai i ino i ino ino in				
	Production	MIDNIE	11:30 AM	M-F	ZEXCEPT
		12:30pm GPM	MIDNITE	M-12	SPREV.
		<u> </u>	אוויןשניוויי		<i>5</i> (014) W 1 (
	Debugs				
		<del></del>			
h lok	Schaduling: Describe your job schee	duling algorithm			
b. Job	Scheduling: Describe your job sched 		 υ 15 λ	INUTES	5 OF
b. Job	JOBS OF LES	SS THAI NT TIN	U 15 A	FROM	00 1 1100
b. Job	JOBS OF LES	NT TIN			00 1 1100
b. Job	JOBS OF LES	SS THAI NT TIN		FROM	00 1 1100
	JOBS OF CES ON-OFF+ PRI OTHER JOBS  counting Method:	SS THAI NT TIN -REST	IE RUN OF TIN	FROM 1E	8 AM-43
	JOBS OF CES ON-OFF + PRI OTHER JOBS  counting Method: Charges based on: CPU+	SS THAI NT TIM -REST CHAN,+	IE RUN OF TIN OUTPUT	FROM NE BLOCK +	CONNECT I
c. Acc	DOBS OF CES ON-OPF + PRI OTHER JOBS  counting Method: Charges based on: CPU+ Billing algorithm: (CPU+C	SS THAI NT TIN -REST CHAN+ CHAN-91	OF TIM OF TIM OUTPUT	BLOCK +	CONNECT I CRIS, TECT 2005; (CRI+I
c. Acc	JOBS OF CES ON-OFF + PRI OTHER JOBS  counting Method: Charges based on: CPU+	SS THAI NT TIN -REST CHAN+ CHAN-91	OF TIM OF TIM OUTPUT	BLOCK +	CONNECT I CRIS, TECT 2005; (CRI+I
c. Acc	DOBS OF CES ON-OPF + PRI OTHER JOBS  counting Method: Charges based on: CPU+ Billing algorithm: (CPU+C	SS THAI NT TIN -REST CHAN+ CHAN-91	OF TIM OF TIM OUTPUT	BLOCK +	CONNECT I CRIS, TECT 2005; (CRI+I
c. Acc	DOBS OF CES ON-OPF + PRI OTHER JOBS  counting Method: Charges based on: CPU+ Billing algorithm: (CPU+C	SS THAI NT TIN -REST CHAN+ CHAN-91	OF TIM OF TIM OUTPUT	BLOCK +	CONNECT I CRIS, TECT 2005; (CRI+I
c. Acc	JOBS OF CES ON-OFF+ PRI OTIFER JOBS  Counting Method: Charges based on: CPU+ Billing algorithm: CPU+ CIAL PROBLEMS: Describe any s	SS THAI NT TIN -REST CHAN + CHAN) *9 (	OF TIME OF TIM	FROM  A E  BLOCK +  T BLKS)  accounted for by	CONNECT I CRIS, TECT 2005; (CRI+I
c. Acc	JOBS OF CES ON-OFF+ PRI ON-OFF	SS THAI NT TIN -REST CHAN + CHAN > 9 (	OF TIME OUTPUT IN THE SOUTPUT IN THE	SLOCK + TBLKS) accounted for by	CONNECT I CRTS, TEC 2005; (CRT+1) the above categories:
c. Acc	JOBS OF CES ON-OFF+ PRI OTIFER JOBS  Counting Method: Charges based on: CPU+ Billing algorithm: CPU+ CIAL PROBLEMS: Describe any s	SS THAI NT TIN -REST CHAN + CHAN > 9 (	OF TIME OUTPUT IN THE SOUTPUT IN THE	SLOCK + TBLKS) accounted for by	CONNECT I CRTS, TEC 2005; (CRT+1) the above categories:



CONT	RIBUTING ORGANIZA				
	Carle Pl	ace,		Installation Name New York	
	City	S	tate		
FOCU	IS CONTACT: Georg	ge R. Haubenr	eich	Part	
DATE	: 72/ 8 / 21 Yr. Mo. Day	Name 4. FOCUS IN	ISTALLA	ATION CODE: 1	Title ISH
OBJEC	CTIVES OF INSTALLA	TION: Surv	eying	and sub-divis	ions
					OFFICE OF USER
HARD	WARE (include vendor	symbol on non-CD	C Equip	ment):	AUG 23 1972
a. CEN	TRAL SITE:				AUG 23 DIE
(1)	Mainframe(s)				GROUP LIAISON
	Model	g	Quantity		Core (K)
	301	1			
	342	1			
	360	1			
(2)	Console(s)		(3)	Tape Transport(s)	0
	<u>Model</u>	Quantity		Model	Quantity
(4)	Disk(s)		(5)	Card Reader(s)	
\ <del>4</del> 1	Model	Quantity	(0)	Model	Quantity
				·	
			****		
(6)	Line Printer(s)		(7)	Data Cell(s)	
,-,	Model	Quantity		Model	Quantity
				With additional to the William Co.	

a. (8)	QSE(s) (Quote Special Equip	nment)	
	and the second second sequel	Description	O
		Description	Quantity
(9)	Other Devices		•
		Description	Quantity
			· ————————————————————————————————————
	***************************************		
b. REN	NOTE SITE(S):		
(1)	Computer(s)		
		Model	Quantity
	-		
(2)	Other Remote Devices		
		Description	Quantity
			:
	WARE PROBLEMS		
	URRING HARDWARE PROBL	ENAS	
	Device	No. of Occurrences	Matura of Eniture
	Device	(Or Rate of Occurrences)	Nature of Failure
		•	

CUS -	8 INSTALLATION	N REPORT	Installation Code:	Page 3 of
	WARE SYSTEMS	SASSY	t atast lindata	DCD No
a. Curr	ent Operating System _	DA001	Latest Update	PSR No
b. Loca	I Modifications (Add ad	ditional description	on if desired, as appendix)	
000	( ) (0 , , 0 , , 10 , 7			
c. QSS (1)	(s) (Quote Special Soft			
(2)				
(3)				
(4)	***************************************			
d. Com	piler and Library Routi		· · · · · · · · · · · · · · · · · · ·	SR Summary or Local Modification
e. Curi	rent Problems and Comm	nents:		
	WARE PROBLEMS urring Software Problem	ıs:		
(1)	•			
(2)	Compilers and System	Routines:		
b. In y			ware request(s) has been:	
	Excellent	Very Good	Fa	airPoor
c. Sys	tem Stability:			
Mea	n time between hardwa	re/software failure	es	

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

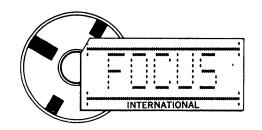


FOCUS CONTACT: Robert R. Hoffman FOCUS REPARTED ATE: 72/8/9 4. FOCUS INSTALLATION CODE: HUCC.  OBJECTIVES OF INSTALLATION: Hospital Chinical and REDLAB System.  Uthice OF USER	CONTRIBUTING ORGAN	IZATION: HARVA	ed Us	iVERSITY /MA	SEACHUSE HS GEN
FOCUS CONTACT: Robert R. Hoffman Focus Repaired Price	Hospital	Boston		Installation Name	
DATE: 72/ 8 / 9 4. FOCUS INSTALLATION CODE: ### CODE: #### CODE: ##### CODE: ##### CODE: ##### CODE: ####################################	FOCUS CONTACT:	POBERT R.	Hos	fman F	OCUS REPR.
OBJECTIVES OF INSTALLATION: #55.74 / /nic a / md / fe / f	DATE: 72/8/9		VSTALLA	TION CODE:	Title
Applications utilizing Analog Digital Systems for improved patient care.  WEDLAB System.  UNITIES OF USER  HARDWARE (include vendor symbol on non-CDC Equipment): a. CENTRAL SITE: (1) Mainframe(s)  Model  3/70  (2) Console(s)  (3) Tape Transport(s)  Model  Countity	TT. WO. Way	LATION: Hos	iTal	Clinica	•
HARDWARE (include vendor symbol on non-CDC Equipment): a. CENTRAL SITE: (1) Mainframe(s)  Model  Model  Quantity  Model  Model  Quantity  Model  Model  Quantity  Model  Model  Quantity  Model  Model  Model  Model  Model  Model  Model  Quantity  Model		us utiliz	ing	À 1	/Digital
HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  3 / 70  (2) Console(s)  (3) Tape Transport(s)  Model  Mod	SYSTEMS	tor impr	ou <b>k</b> d	PATIEN	CARE.
HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  J  Quantity  Model  Guantity  Model	MEDLAB	System	и		THE WE DE HOLD
(2) Console(s)  (3) Tape Transport(s)  (4) Disk(s)  (5) Card Reader(s)  Model  Quantity	HARDWARE (include vend	lor symbol on non-CD	C Equip	ment):	
Model   Quantity   Core (K)	a. CENTRAL SITE:				AUG 11 19/2
(2) Console(s)  (3) Tape Transport(s)  Model  330/  (4) Disk(s)  Model  Quantity  Model  Quantity  Model  Symbol Quantity  Model  405  Mod					
Model   Quantity   Model   Quantity	3/ <u>Model</u>		Quantity		Core (K)
Model Quantity Model Quantity  405  (6) Line Printer(s)  (7) Data Cell(s)		Quantity	(3)		Quantity <b>2</b>
	•	Quantity 3	(5)		Quantity
		Quantity	(7)		Quantity

Device	No. of Occurrences	Nat	ure of Failure	9
A/D- Interface Eggip.	(Or Rate of Occurrences)	UA	eted.	
	, /	most	y 70	) SE_
BB105 MEMORY	1/mo	UAR	iEd	
		•		
3234 Disk Contro	/ 2/mo	UMB	iEd	
	/	- • • •		
BEEDICE TERMINAL	s 10/mo	UA	eied	
o. In your opinion, CDC's response to your hard	dware request(s) has been:	3170)		
<u> </u>		-		
ExcellentVery Go	•	Fair	Poor	
1/0 Faisa & Ta	e minula T	Para .		
A/D Equip. 4 Te	1	-		

10.	OPE	RA	LIO	NS
IV.	OFE	.na	I IU	. V.

a. S	Schedule:	From	То	Day of Week
	Preventive Maintenance	0900	1700	1 st. Strue day leach month
	Systems Work			Sundays
	Special Time Allotment			
	Production	24 h	RS PER	5 days Jueek
	Debugs	Appl	cietions de	beforging on line buy utility prolage.
b. J	ob Scheduling: Describe your job so  System  week a  alle work	regt de	to user	24 has /Loy - 5 day beled PM. All Ids (stoud-alone).
с. А	Accounting Method: Charges based on: Billing algorithm:	rently n	o charge	to users - financia
11. SPE			hat have not been	accounted for by the above categories:  CDC relation to  CDC relation to  MEDLAB.
a. H	TURE PLANS: Describe any fut lardware:	ure implementations	s to your current or	parism of the manage of the capacity.  MEDLAB Veys. 1.3.
	DITIONAL COMMENTS: For idditional numbered pages.	Additional Comme	nts and/or System	Organization Chart(s), append



CON	TRIBUTING ORGANIZA	U.S.A TION: Systems	s Comma	nd.				
	hington	Installation Name						
	City			D.C.	State			
FOC	US CONTACT: E. P.	Harper Name	**************************************	Chief, Sys	stems Technology Offic			
DAT	E: 72 / 08 / 08 Yr. Mo. Day	4. FOCUS II	NSTALL.	ATION CODE:				
OBJE	CTIVES OF INSTALLAT	TION: Designs	, deve	lops, mainta	ins and operates Automa			
Data	a Processing in supp	ort of the Of	fice o	f the Comptro	oller of the Army			
and	Army Staff Agencies	5.						
			w		UFFICE OF USER			
	DWARE (include vendor s NTRAL SITE:	symbol on non-CE	C Equip	ement):	AUG 11 1972			
(1)	Mainframe(s)				GROUP LIAISON			
	3300 Model		Quantity		Core (K)			
	***************************************		<u> </u>		131K			
	3300 .		1		1017			
	3300		1		131K			
(2)	3300 Console(s)		(3)	Tape Transport(s				
(2)	Console(s)  Model	Quantity		Tape Transport(s				
(2)	Console(s)	Quantity 2			)			
(2)	Console(s)  Model			Model	.) Quantity			
(2)	Console(s)  Model			Model	.) Quantity			
	Console(s)  Model  3301		(3)	<u>Model</u> 607	.) Quantity			
	Console(s)  Model 3301  Disk(s)  Model 841-8	2	(3)	Model 607  Card Reader(s)	Quantity 20			
	Console(s)  Model 3301  Disk(s)  Model 841-8 841-6	2	(3)	Model 607  Card Reader(s) Model	Quantity 20			
	Console(s)  Model 3301  Disk(s)  Model 841-8	2  Quantity  1	(3)	Model 607  Card Reader(s) Model	Quantity 20			
	Console(s)  Model 3301  Disk(s)  Model 841-8 841-6	Quantity 1	(3)	Model 607  Card Reader(s) Model	Quantity 20  Quantity 2  Quantity 2			
(4)	Console(s)  Model 3301  Disk(s)  Model 841-8 841-6 821-1	Quantity 1	(3)	Model 607  Card Reader(s)  Model 1405	Quantity 20  Quantity 2  Quantity 2			

7003	- 8 INSTALLATION REPOR	T Installation Code:	IDSC Page 2 of
a. (8)	QSE(s) (Quote Special Equipme	ent)	
		Description	Quantity
(9)	Other Devices		
	2216	Description	Quantity
	<u>3316</u> 304		1
b. RE	MOTE SITE(S):		
(1)	Computer(s)		
		Model	Quantity
(2)	Other Remote Devices  200 User Terminal with Model 33 TTY	Description ith 222-2, 224-2	Quantity 1
	DWARE PROBLEMS CURRING HARDWARE PROBLEM	AS:	
	Device	No. of Occurrences	Nature of Failure
	841 Disk Drives	(Or Rate of Occurrences) 2 Per Month	Unmatched label file entries
	405 Card Reader	3 Per Month	Premature end of file
			on input
	405 Card Reader	1 Per Day	Job not scheduled after
			deck is fed through the
			reader (1 ready msg. typ
b. In y	our opinion, CDC's response to you	ır hardware request(s) has been:	
•			Fair Poor
		ner hardware problems	r dii

(1) None  (2) (3) (4) (4) (4) (4) (5) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		VARE SYSTEMS					•	_
Standardization of Messages  *DEF (Label Processing)  *Machine Accounting  *DUILities  *Accessing residual data from release  *COS(s) (Quote Special Software)  None  *(1)  *(2)  *(3)  *(4)  *(4)  *(4)  *(5)  *(5)  *(6)  *(1)  *(7)  *(8)  *(9)  *(1)  *(1)  *(1)  *(1)  *(1)  *(1)  *(1)  *(2)  *(3)  *(4)  *(4)  *(4)  *(4)  *(5)  *(5)  *(1)  *(1)  *(1)  *(2)  *(3)  *(4)  *(4)  *(4)  *(4)  *(4)  *(4)  *(5)  *(5)  *(1)  *(1)  *(1)  *(2)  *(1)  *(1)  *(2)  *(1)  *(2)  *(1)  *(1)  *(2)  *(1)  *(2)  *(1)  *(2)  *(1)  *(2)  *(2)  *(3)  *(4)	a. Curr	ent Operating System MASTER	Latest Upo	date		PSR No.	22'	7+
#DEF (Label Processing)  COBOL Label Handling  Mass Storage Security (To prevent accessing residual data from release acce	b. Loc	I Modifications (Add additional description	if desired, as					
COBOL Label Handling			es 				ions)	
Mass Storage Security (To prevent accessing residual data from release  c. QSS(s) (Quote Special Software)   None						romB		
c. QSS(s) (Quote Special Software) (1) None (2)			nrevent.			al data	from	
(1) None  (2)		impo poorage pecarity (10	PICVCIIO	ассевын	ig restat	iai dava	110111	16169260
(1) (2) (3) (4) (4) (4) (4) (4) (5) (6) (6) (6) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	c. QSS							
(3) (4)  d. Compiler and Library Routines:  COBOL  USASI COBOL  SORTS  FORTRANS  RESPOND  1	(1)	None	<del></del>					
d. Compiler and Library Routines:  COBOL  USASI COBOL  SORTS  FORTRANS  RESPOND  CUrrent Problems and Comments:  COFFWARE PROBLEMS  Recurring Software Problems:  (1) Operating System:  Mass Storage Label File (Duplicate entries), FXEC  110 (Lost interrupt)'S  (2) Compilers and System Routines:  Excellent  Very Good  Good  K Fair  Poor  Solution to the problem X Poor	(2)							
d. Compiler and Library Routines:    COBOL	(3)			**				
COBOL   Local/Selected PSR's   USASI COBOL   !! !! !!   !!   SORTS	(4)	NAME OF THE OWNER O						<del></del>
COBOL USASI	d. Com	piler and Library Routines	1:	indated thro	unh PSR Sun	amary or Lo	cal Mod	ifications:
USASI COBOL  SORTS  FORTRANS  II II II  RESPOND  II II II  RESPOND  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), EXEC 110 (Lost interrupt)'S  (2) Compilers and System Routines:  Excellent Very Good Good X Fair Poor Solution to the problem X Poor		CODOT						inications.
EXCEPTION II II II  RESPOND II  RESPOND II II  RESPOND II II  RESPOND II  RESPOND II II  RESPOND II  RESPOND II  RESPOND II II  RESPOND II  RESP					•			
e. Current Problems and Comments:  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), EXEC 110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent Very Good Good X Fair Poor Solution to the problem X Poor				ft	11	11		
e. Current Problems and Comments:  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), EXEC  110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent Very Good Good Fair Poor  Solution to the problem X Poor				11	11	11		
SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), EXEC 110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: Excellent Very Good Good Fair Poor Solution to the problemX Poor		RESPOND	***	. 11	11	11		
SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), EXEC 110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: Excellent Very Good Good Fair Poor Solution to the problemX Poor								
SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), EXEC 110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: Excellent Very Good Good Fair Poor Solution to the problem _X Poor								
SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), EXEC 110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodGoodX_FairPoor Solution to the problem _X_Poor								
a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), FXEC  110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent Very Good Good X Fair Poor  Solution to the problem X Poor								
a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), FXEC  110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent Very Good Good X Fair Poor  Solution to the problem X Poor	e. Curr	ent Problems and Comments:						
a. Recurring Software Problems:  (1) Operating System: Mass Storage Label File (Duplicate entries), FXEC  110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent Very Good Good X Fair Poor  Solution to the problem X Poor	e. Curr	ent Problems and Comments:						
(1) Operating System: Mass Storage Label File (Duplicate entries), EXEC 110 (Lost interrupt)'S  (2) Compilers and System Routines:	e. Curr	ent Problems and Comments:						
110 (Lost interrupt)'S  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: Excellent Very Good Good Fair Poor Solution to the problem X _ Poor								
b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodGoodX FairPoor Solution to the problem X Poor	SOFT	WARE PROBLEMS						
b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodGoodFairPoor Solution to the problemX Poor	SOFT! a. Reci	NARE PROBLEMS  Irring Software Problems:  Operating System: Mass Storage				• •		
ExcellentVery GoodGoodX FairPoor Solution to the problem X Poor	SOFT\ a. Recu (1)	NARE PROBLEMS  Irring Software Problems:  Operating System: <u>Mass Storage</u> 110 (Lost interrupt)'S						
ExcellentVery GoodGoodX FairPoor Solution to the problem X Poor	SOFT\ a. Recu (1)	NARE PROBLEMS  Irring Software Problems:  Operating System: <u>Mass Storage</u> 110 (Lost interrupt)'S						
Solution to the problem X Poor	SOFT\ a. Recu (1)	NARE PROBLEMS  Irring Software Problems:  Operating System: <u>Mass Storage</u> 110 (Lost interrupt)'S						
	SOFT\(a. Recu (1) (2)	NARE PROBLEMS  Irring Software Problems:  Operating System: <u>Mass Storage</u> 110 (Lost interrupt) S  Compilers and System Routines:						
	SOFT\(a. Recu (1) (2)	WARE PROBLEMS  Irring Software Problems:  Operating System: Mass Storage  110 (Lost interrupt)'S  Compilers and System Routines:  our opinion, CDC's response to your software  Excellent Very Good	re request(s)	has been:				

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



1.	CONT	RIBUTING ORGANIZA	TION: BOOTH	NEWS.	IMPECS INC., CO.	MUTER-RESERVEN DI 48104
	Anl	V ARBAR			M TAKE A	48104
	77-0	City			State	
2.	FOC	IS CONTACT: Esc	Name	<u> </u>	PROGRAMMENTO	SUPERVISOR
3.	DATE	:: 2 <b>2</b> 10 <b>8</b> 10 <b>9</b> Yr. Mo. Day	4. FOCUS IN	ISTALLA	ATION CODE: FLX	
5.	OBJE	CTIVES OF INSTALLA	TION: CORPOR	PATE	COMPUTING F	ACTLITY
	For	e on-LILE +	Process ING	OF	PRODUCTION	AND BUSTNESS
		M SUBMITTER				
	000	11/ 50011-1102				
						Urrius OF USER
						0110 1 4 1079
6.	HARE	WARE (include vendor	symbol on non-CD	C Equip	ment):	AUG 14 1972
	a. CEN	ITRAL SITE:				GROUP LIAISON
	(1)	Mainframe(s)				BROOF LINISON
		Model	(	Quantity		Core (K)
		3300	- -	2	961	K (SHAPED)
		CIP 2100		3	4 7	(SHAPED)
				· · · · · · · · · · · · · · · · · · ·		
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
					607	_3
				<del></del>	601	3
				<del></del>		
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		841	9		40500.	1
		2301 - NOC-	1		6002 (MOHAWK)	1
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		Model	Quantity		Model	Quantity
		505	2			and the second s
		4320-C (MOHANK)			gapaganagana qara sisiyasi maadoo madaa ahibaada ahibaada ahibaada ahibaada ahiba	
		- JOU C GIVENAUE)			-	

	QSE(s) (Quote Special Equipment)  Description	•
		Quantity 7
	COMMUNICATIONS UNITY (SUPPORTS UP TO 48 2,400 BAND LINES)	
	- 100 ONDE TENES	
(9)	Other Devices	
	Description	Quantity
	415 CARD PUNCH	1
	210 CRT UNITS	4
	SPECIAL INTERFACE THAT CONNECTS CIP 21	es I
	HIS CARD PUNCH  210 CLT UNITS  SPECIAL INTERFACE THAT CONNECTS CIP 21.  TO 3306 DATA CHANNEL	
b. REN	MOTE SITE(S):	
(1)	Computer(s)	
	Model	Quantity
	CEP 2100 4-12 K EACH	10
		<b>5</b> , 6
(2)	Other Remote Devices	•
	Description	Quantity
	Description 4820-C (MOHAWK 300 LPM PRINTER)  7301-(DDC IM BYTE DISK)  VLTCUMES MULTIPLEXING UNIT	<del>S</del>
	7301-(DUC IM BYTE DISK)	
	VLTRUNES MILLTEPLEXTK INTE	18
HARD	WARE PROBLEMS	
	URRING HARDWARE PROBLEMS:	
		Al a compa
	Device No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
	- The second region of the second region region of the second region of the second region region region of the second region reg	
	<del></del>	
b. In vo	ur opinion, CDC's response to your hardware request(s) has been:	

<u>۲</u> ر	Cus -	o INSTALLATION REPORT Installation Code: 1 220 Page 3 of							
8.	a. Curre	SOFTWARE SYSTEMS  a. Current Operating System MASTEL 3.0 Latest Update PSR No							
	b. Local	Modifications (Add additional description if desired, as appendix)  PLAL   TIME EXEC AND THSKS  MULTI - PROCESSING SOFTWARE							
		(Quote Special Software)							
		Updated through PSR Summary or Local Modifications:  WE BO NUT AGGESSIVELY  TUSTALL PSR CHANGES							
	e. Curre	nt Problems and Comments:							
9.	SOFTW	ARE PROBLEMS							
	a. Recur	rring Software Problems:							
	(1)	Operating System:							
	(2)	Compilers and System Routines:							
		ur opinion, CDC's response to your software request(s) has been:ExcellentPoor							
	c. Syster	m Stability:							
	Mean	time between hardware/software failures TWO DAKS est time period between hardware/software failures TWO WEEKS							
	Longe	est time period between hardware/software failures TWO WEEKS							

PERATIONS			
Schedule:	From	То	Day of Week
	0500	0600	Day of Week TUES - FRI
Preventive Maintenance	0400	0600	MON
		000	
		· · · · · · · · · · · · · · · · · · ·	
Systems Work	1700	2000	MON - THURS
Oystems Work			SUN (WETHILY ALL O
		<del></del>	the second secon
Special Time Allotment		<del></del>	
openial rime rinotheric			
Production	0600	1700	mon - THURS
	2000	2400	., //
	0600	2400	FLI - SAT
Debugs	-		
	(SAME AS	S SYSTEMS	welk)
			•
	***************************************		
Job Scheduling: Describe your job sch	eduling algorithm		MAST D SCISE
Job Scheduling: Describe your job scho OVR TOBS AFE NO WE In POSE AN OI	eduling algorithm	CUNVENTI EN VILUNME	WIT ON MASTEL WHICH
Job Scheduling: Describe your job scho OUR TOBS AFE NO WE In POSE AN OI USES MUNTI-TAS	eduling algorithm  OF FN THE  SEPTING  KING BUT	CUNVENTS ENVILONME ONLY ON	WASTER SENSE WIT ON MASTER WHICH WE JOB, ALTHOUGH WE
OUR TOBS ARE NO WE IMPOSE AN OI USES MULTI-TAS	OF FOR THE PERMITTING KING BUT	CUNVENTS ENVILONME - ONLY ON TASES THEN	WI ON MASTER SENSE WE TOB, ALTHOUGH WE
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTI-TAS PROCESS MULTIP	OF FOR THE PERMITTING KING BUT	CONVENTS ENVILONME ONLY ON TAGES THEM	ENAL MASTEL SENSE WIT ON MASTEL WHICH WE TOB, ALTHOUGH WE OVE COMMUNICATEDS
OUR TOBS ARE NO WE IMPOSE AN OI USES MULTITAS PROCESS MULTIFICATION	OF FOR THE PERMITTING KING BUT	CUNVENTS ENVILLENME ONLY ON TAGES FROM	ENAL MASTER SENSE SUT ON MASTER WHICH SE JOB, ALTHOUGH WE OVE COMMUNICATIONS
OVR TOBS ARE NO WE IMPOSE AN OI USES MULTI-TAS PROCESS MULTIFIE NETWORK Accounting Method:	OF FOR THE PERMITTING KING BUT	CONVENTS ENVILONME - ONLY ON TAGES FROM	ENAL MASTEL SENSE WIT ON MASTEL WHICH WE TOB, ALTHOUGH WE OVE COMMUNICATEDS
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTITAS PROCESS MULTIFA NETWORK Accounting Method: Charges based on:	OF FOR THE PERMITTING KING BUT	CUNVENTS ENVILONME ONLY ON TAGES THEM	WASTER SENSE WI ON MASTER WHICH UE TOB, ALTHOUGH WE ONE COMMUNICATEDS
OUR TOBS ARE NO WE IMPOSE AN OI USES MULTI-TAS PROCESS MULTIPE NETWORK Ecounting Method:	OF FOR THE PERMITTING KING BUT	CUNVENTO ENVILONME ONLY ON TAGES FROM	ENAL MASTEL SENSE ST ON MASTEL WHICH SE JOB, ALTHOUGH WE ONE COMMINICATIONS
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTITAS PROCESS MULTIFA NETWORK counting Method: Charges based on: Billing algorithm:	THE THE SUT	AGES Plan	OVE COMMINICATIONS
OVE TOBS ARE NO WE IMPOSE AN OF USES MULTITAS PROCESS MULTIFA NETWORK Accounting Method: Charges based on: Billing algorithm:	THE THE SUT	AGES Plan	OVE COMMINICATIONS
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTITAS PROCESS MULTIFA NETWORK Accounting Method: Charges based on: Billing algorithm:	THE THE SUT	AGES Plan	OVE COMMINICATIONS
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTITAS ARCOUNTING Method: Charges based on: Billing algorithm:	THE THE SUT	AGES Plan	OVE COMMINICATIONS
OVR TOBS ARE NO WE IMPOSE AN OF USES MULTITAS ARCOUNTING Method: Charges based on: Billing algorithm:	THE THE SUT	AGES Plan	OVE COMMINICATIONS
OVR TOBS ARE NOWE IN POSE AN OF USES MULTITUDES ACCOUNTING Method: Charges based on: Billing algorithm: ECIAL PROBLEMS: Describe any future.	Special problems to	that have not been a	accounted for by the above categories:
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTITARS Accounting Method: Charges based on: Billing algorithm: PECIAL PROBLEMS: Describe any future	Special problems to	that have not been a	accounted for by the above categories:
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTITURES NETWORK Accounting Method: Charges based on: Billing algorithm: ECIAL PROBLEMS: Describe any future	Special problems to	that have not been a	accounted for by the above categories:
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTITATS ACCOUNTING Method: Charges based on: Billing algorithm: PECIAL PROBLEMS: Describe any future	Special problems to	that have not been a	accounted for by the above categories:
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTITATS ACCOUNTING Method: Charges based on: Billing algorithm: PECIAL PROBLEMS: Describe any future	Special problems to	that have not been a	accounted for by the above categories:
OUR TOBS ARE NO WE IMPOSE AN OF USES MULTITUDES Accounting Method: Charges based on: Billing algorithm: ECIAL PROBLEMS: Describe any future	Special problems to	that have not been a	accounted for by the above categories:



CON	TRIBUTING ORGANIZA	ATION: Intrar	Corpo	ration Installation Name	
Mi	nneapolis City				435 State
	US CONTACT:			\$	State
		Name			Title
DATE	E: 1972 / 8 / 7 Yr. Mo. Day	4. FOCUS IN	<b>NSTALL</b>	ATION CODE: IN	TN
	CTIVES OF INSTALLA				
<del></del>	· · · · · · · · · · · · · · · · · · ·				
					UITIGE OF USER
HARI	DWARE (include vendor	symbol on non-CD	C Equip	ment):	AUG 14 1972
	NTRAL SITE:	•			
(1)	Mainframe(s)				GROUP LIAISON
	Model	9	Quantity		Core (K)
	160-A		2		32K
(2)	Console(s)  Model  160-A	Quantity 2	(3)	Tape Transport(s)  Model  603  601	Quantity 4 2
(4)	Disk(s) <u>Model</u>	Quantity	(5)	Card Reader(s)  Model  167-1  1609	Quantity 1 1
(6)	Line Printer(s)  Model  1612	Quantity	(7)	Data Cell(s)  Model	Quantity



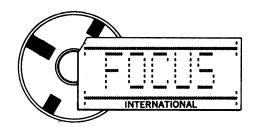
	DWARE (include vendor	symbol on non-CE	C Equip	oment):	UITIVE OF USER
(1)	Mainframe(s)				
	Model 1704		Quantity		Cofe K
(0)					
(2)	Console(s)  Model	Quantity	(3)	Tape Transport(s) <u>Model</u>	Quantity
(4)	Disk(s)		(5)	Card Reader(s)	
	Model 853	Quantity		<u>Model</u>	Quantity
				,	

	(8)	QSE(s) (Quote Special Equipmen	Description		Qu	antity_
	(9)	Other Devices	Description		<u>Ωυ</u>	antity
b		OTE SITE(S):				
	(1)	Computer(s)	<u>Model</u>		Qu	uantity
	(2)	Other Remote Devices  CDC Supy I	Description  I Supervisory	Remotes	<u>a</u>	uantity /O
		WARE PROBLEMS  URRING HARDWARE PROBLEM  Device  853 Disk + 1738  Controlled	No. of Occurrences (Or Rate of Occurrences)  4 FAILES/YR		Nature of F CRASh,	FAILRE

FC	CUS -	· 8 INSTALLATION REPORT	Installation Code:	Page 3 of
8.	SOFT	WARE SYSTEMS		
	a. Curr	rent Operating System $2.X$	Latest Update SEpt. '70	PSR No.
	b. Loca	al Modifications (Add additional descript POWER FAIL RESTA DISK DOWN Modi	fications	
	c. QSS (1) (2) (3) (4)			
	d. Com	piler and Library Routines:  FTN 1.1 A  MACRO 2.0  COSY 1.0		mmary or Local Modifications:
	e. Curr	ent Problems and Comments:		
•	COETI			
9.		WARE PROBLEMS		
	(1)	urring Software Problems: Operating System: NonE		
	(2)	Compilers and System Routines: C	USY 1.0 drups	or Adds
	b. In yo	our opinion, CDC's response to your soft	tware request(s) has been:	Poor
	c. Syste	em Stability:		
		n time between hardware/software failur	es / month	
		gest time period between hardware, softw		

-	OCUS - 8 INSTALLATION REPORT	Installation	Code:	Page 4 of
	ODEDATIONS			
).	OPERATIONS	_		
	a. Schedule:	From	То	Day of Week
	Preventive Maintenance			
	-			
	• • • • • • • • • • • • • • • • • • •			
	Systems Work			
	·		+	
	Special Time Allotment			
				<del></del>
	· -			
	Production			
	· roddetton			
	_			
	Debugs			
	-	***		
	-			
	b. Job Scheduling: Describe your job schedu	ling algorithm		
				1
	c. Accounting Method:			
	Charges based on:			
	Billing algorithm:			
	SPECIAL PROBLEMS: Describe any spe	cial problems th	at have not been	accounted for by the above categories:
		· · · · · · · · · · · · · · · · · · ·		
			·	
,	ELITUDE DI ANIC. D			
•	FUTURE PLANS: Describe any future in	nplementations	to your current co	onfiguration:
	a. Hardware: Additional Su	perusury	KEmotE	Equipment on or
	b. Software:			

153



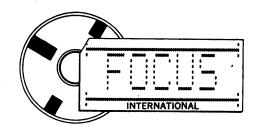
1.	CONT	CAR BOROUGH	on: K	AZMA	R CONS	CULTANTS	LID
	50	CARBOROUGH		ON7	Installation Nam CAN	JADA	
2.	FOC	US CONTACT: $M_{\ell}$	T, BRA	AE		Tielo	
3.	DATE	:7218110 Yr. Mo. Day	4. FOCUS	INSTALLA	ATION CODE:	KCL	<del></del>
<b>5</b> .	OBJE	CTIVES OF INSTALLATION	ON: 5 T.	RUCTO	ARAL ENG	INEERING	DESIGN
	<del> </del>						
						Uttice of User	
_						AUG 14 1972	
ъ.		DWARE (include vendor syn ITRAL SITE: Mainframe(s)	nbol on non-C	DC Equip	ment):	GROUP LIAISON	
	1-1	Model	•	Quantity		Core (K)	
		RPC 4000		1		8	
	<b>/</b> 21						
	(2)	Console(s)  Model	Quantity	(3)	Tape Transport(s)  Model	Quantity	
						-	West, was detailed
							an-annon-material
	(4)	Disk(s)		(5)	Card Reader(s)		
		Model	Quantity		Model	Quantity	
				<del></del>			
	(6)	11 - <b>0</b> - 11		<i>(</i> =1)			
	(6)	Line Printer(s)  Model	Quantity	(7)	Data Cell(s)  Model	Quantity	
					***************************************		

b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_\_ Excellent \_\_\_\_\_ Very Good \_\_\_\_\_ Fair \_\_\_\_ Poor

FO	CUS -	8 INSTALLATIO	N REPORT	Installation Code:	Page 3 of
-		WARE SYSTEMS ent Operating System	ACT 4	Latest Update	PSR No.
١	o. Loca	Il Modifications (Add ad	ditional descriptio	n if desired, as appendix)	····
•	c. QSS (1)				
	(2) (3) (4)		***		
(	d. Com	piler and Library Routin	nes :		R Summary or Local Modifications
•	e. Curr	ent Problems and Comm			
<b>)</b> . (	SOFT	WARE PROBLEMS			
•	1. Recu (1)	urring Software Problem Operating System:			
	(2)	Compilers and System	Routines:		
ı	b. In y	our opinion, CDC's respo		•	
		Excellent _	Very Good	Good Fai	rPoor
(	-	em Stability:			
	Mea	n time between hardwar	e/software failures	3	
	Lone	gest time period between	hardware/softwa	re failures	

	a. Schedule:	From	То	Day of Week
	Preventive Maintenance			
		**************************************		
		***************************************		
	Systems Work			
	Special Time Allotment			
	Special Ville Ville Union			
	Production			
	Debugs	<del></del>		
	b. Job Scheduling: Describe your job sch	eduling algorithm	came associated a proposition of the control of the	
	b. Job Scheduling: Describe your job sch	eduling algorithm		
	b. Job Scheduling: Describe your job sch	eduling algorithm		
	b. Job Scheduling: Describe your job sch	eduling algorithm		
	c. Accounting Method: Charges based on:			
	c. Accounting Method:			
•	c. Accounting Method:  Charges based on:  Billing algorithm:			
	c. Accounting Method:  Charges based on:  Billing algorithm:			
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any	special problems	that have not beer	accounted for by the above categorie
•	c. Accounting Method:  Charges based on:  Billing algorithm:	special problems	that have not beer	accounted for by the above categoric
•	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any	special problems	that have not beer	accounted for by the above categoric
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any	special problems	that have not beer	accounted for by the above categoric
-	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any FUTURE PLANS: Describe any future. A Hardware:	special problems	that have not beer	accounted for by the above categorie
1.	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any FUTURE PLANS: Describe any future. A Hardware:	special problems	that have not beer	accounted for by the above categoric



1.	CON	TRIBUTING ORGAN	IZATION: Korea	Instit		Technology
	Р	.0. Box 131, Chec	ng Ruang Sagul		Installation Name Korea	
		City	ing rigaring, Secur			tate
2.	FOC	US CONTACT: Dr	Name		Manager of	EDP Dept.
3.	DATE	E: 69 / 9 / 15 Yr. Mo. Day	4. FOCUS I	NSTALL	ATION CODE:	
5.	OBJE	CTIVES OF INSTAL	LATION: Develo	pment o	f Computerizing	to both
		cientific and Bus				
	aı	nd KIST. Supplyi	ng trained Comp	uter Sp	ecialists to Kor	ea EDP field.
						OFFICE OF USER
6.	HARI	DWARE (include vend	or symbol on non C	DC Eauin		AUG 22 1972
٠.		JTRAL SITE:	or symbol on hon-c	DC Equip	ment):	HOU AA IOIL
	(1)	Mainframe(s)				<b>GROUP LIAISON</b>
		Model		Quantity		Core (K)
		3300		1	9	8K Words
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
		3301	1		604	6
					608	2
					-	
	(4)	Disk(s)		(5)	Card Reader(s)	
		<u>Model</u>	Quantity		Model	Quantity
		841	4	Mindagoga	405	1
		854	2			
				-		
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		<u>Model</u>	Quantity		Model	Quantity
		512	2			
		_				

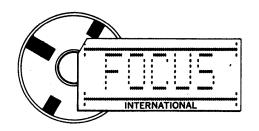
Device	No. of Occurrences	Nature of Failure
3311(Multi)	(Or Rate of Occurrences) 4-6 times year	System Halt Eo4
3312(BDP)	2-4 times year	Deep-End Illegal Eo4
415	2-5 Month	Ready Drop

	And the second s				
b. In yo	our opinion, CDC's res	ponse to your hardware	request(s) has been	ı:	
	Excellent	Very Good	Good	Fair	Poor

Longest time period between hardware software failures 14 days

a. Sche		From	То	Day of Week
	Preventive Maintenance	0700	0900	5
	•			
				As Required
	Systems Work			AS Medalled
		***************************************	-	
	Special Time Allotment	4-7	<del></del>	
		N-20-1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	-	
	Production	0900	2400	7
		_0001	0700	7
	Debugs			
	·			
		,		
h Joh	Scheduling: Describe your job s	scheduling algorithm		
b. Job	Scheduling: Describe your job s 0900-2100 FIF0 2100- Next 0700 E			roduction Run.
b. Job	0900-2100 FIF0			roduction Run.
	0900-2100 FIF0 2100- Next 0700 E	Block Time All	ocation to P	roduction Run.
	0900-2100 FIF0 2100- Next 0700 E  counting Method: Charges based on: KIST	Block Time All	ocation to P	roduction Run.
	0900-2100 FIF0 2100- Next 0700 E  counting Method: Charges based on: KIST	Block Time All	ocation to P	
c. Accc	0900–2100 FIF0 2100- Next 0700 E  counting Method: Charges based on: KIST  Billing algorithm:	Block Time All	ocation to P	
c. Accc	0900–2100 FIF0 2100- Next 0700 E  counting Method: Charges based on: KIST  Billing algorithm:	Block Time All	ocation to P	
c. Accc	0900–2100 FIF0 2100- Next 0700 E  counting Method: Charges based on: KIST  Billing algorithm:	Block Time All	ocation to P	
c. Accc	0900–2100 FIF0 2100- Next 0700 E  counting Method: Charges based on: KIST  Billing algorithm:	Block Time All	ocation to P	
c. Acco	0900–2100 FIF0 2100- Next 0700 E  counting Method: Charges based on: KIST  Billing algorithm:	Computer User	Rate	accounted for by the above categori
c. Accc	0900-2100 FIF0 2100- Next 0700 E  Dounting Method: Charges based on: KIST Billing algorithm: AL PROBLEMS: Describe a	Computer User	Rate that have not been	accounted for by the above categori
c. Acco	0900-2100 FIFO 2100- Next 0700 E  Dunting Method: Charges based on: KIST Billing algorithm: AL PROBLEMS: Describe a	Computer User	Rate that have not been	accounted for by the above categori

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



	TRIBUTING ORGANIZA	TION: KONIN	KLÜKEI	SHELL LABOR Installation Name	ATORIUM
	AMSTER	DAM		Installation Name	NETHERLANDS
FOCI	AMSTERA City US CONTACT: \(\sigma\cdot\sigma\cdot\sigma\cdot\)	M. THÜSSE	N	S	tate
	E: 72 / 08 / 10			ATION CODE:	Title KSLA
OBJE	CTIVES OF INSTALLAT		A 4111	wood of Whe	
	DATA ACQUISIT	OPMENT PI	LOT PL	ANTS	PENLENI
	PROCESS DEVEL	AND A	N ANI	LYTICAL LA	BORATORY
HARI	DWARE (include vendor sy	rmhol on non-Cf	OC Fauin	ment):	Urfice of Use
	ITRAL SITE:	Amboi on non-ce	o Equip	ment).	AUG 14 187
(1)	Mainframe(s)				GROUP LIAISON
	1704 /5/8		Quantity 1		Core (K) 32
	1706	***************************************	1		
(2)	Console(s)		(3)	Tape Transport(s)	
	<u>Model</u>	Quantity		Model	Quantity
	1711	1	· · ·	1732/609	2
(4)	Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		Model	Quantity
	1738 /853	1			
	1751 E	1		1720/430	
(6)	Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity

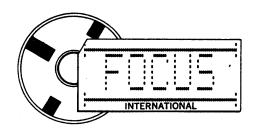
b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_\_Excellent \_\_\_\_\_Very Good \_\_\_\_\_Fair \_\_\_\_Poor

FO —	CUS - 8	3 INSTALLATION REPORT	Installation Code:	<i>K5LA</i> Po	ge <u>3</u> of <u>4</u>
					***************************************
В.		ARE SYSTEMS			
	a. Curren	nt Operating System	Latest Update	PSR No.	54
	b. Local I	Modifications (Add additional description	on if desired, as appendix)		
	-	SHELL REFERENCE SYSTE	N I		
	· <u>-</u>				
	- Oss/e)	(Quote Special Software)			
	(1)	(Coote Special Software)			
	(2)	7-11-1			
	(3) _				
	(4) _		· · · · · · · · · · · · · · · · · · ·		
	d. Compi	ler and Library Routines:	Updated thro	ugh PSR Summary or Lo	cal Modifications:
	-	MACRO ASSEMBLER			
	-	FORTRAN 2.0A			
	e. Curren	ot Problems and Comments:  NON 374134K	PS SOFTWARE FR PLYERS, RTHS-1	ROM LA TOLLA	
9.	SOFTWA	ARE PROBLEMS			
<b>J</b> .		ring Software Problems:			
		Operating System:			
	(2)	Compilers and System Routines:			
		r opinion, CDC's response to your softw	·	Fair Poo	r
	c. System	n Stability:			
	Mean t	time between hardware/software failures	204h	Inot counting 10 days	Della meter
		inno between naraware, sertivare ranare,	· — — ~ ~ /		BULLIN . TE TO

	RATIONS			
a. Sc	hedule:	From	То	Day of Week
	Preventive Maintenance	10:30	11:30	THURSDAY
	Systems Work			
	Special Time Allotment			
	Production	0:00	24:00	SEVEN BAYS A WEEK
	Debugs	8:30	17:00	MONDAY- FRIDAY
	bb Scheduling: Describe your job			
c. A	ccounting Method: Charges based on:	n PFD.	ATIONAL C	
c. A	ccounting Method:  Charges based on:  Billing algorithm:	OPER DEPARI	ATYONAL C	O8TS ERHERIJ
	Charges based on:  Billing algorithm:  CIAL PROBLEMS: Describe a	SEPARA	that have not bee	D87S ERHERLY  In accounted for by the above categories  D/LEASES NON-COC  DE ANS IBM-SELECTRA
SPE	Charges based on:  Billing algorithm:  CIAL PROBLEMS: Describe a  MANNEWANCE  LOW PHENT  S POOR.  CURE PLANS: Describe any for	SEPARA  any special problems  OF CD  WCH AS	that have not bee  C PURCHASE  TELETY  ns to your current	D /LEASES NON-CBC PE AND IBH-SELECTRA  configuration:
SPE	Charges based on:  Billing algorithm:  CIAL PROBLEMS: Describe a  MHWENANCE  LOWPHENT,  /5 POOR.	SEPARA  any special problems  OF CD  FUCH AS  uture implementation  TAPE BY SO  F 1600 - EQ	that have not bee  C PURCHASE  TELETY  Instrument  TELEND DISK  DUPPLENT	

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



72/ 08 / 07 Yr. Mo. Day	ATION: Biophys	NSTALL,	Sr. Sys	State tems Analyst Title LDSH ng, research, teach
72/ 08 / 07 Yr. Mo. Day	Name 4. FOCUS IN	NSTALL,	Sr. Sys ATION CODE: ad Bioengineeri	tems Analyst Title LDSH ng, research, teach
72/ 08 / 07 Yr. Mo. Day  TIVES OF INSTALLA	Name 4. FOCUS IN ATION: Biophy:	sics ar	ATION CODE:	Title LDSH ng, research, teach
Yr. Mo. Day TIVES OF INSTALLA	4. FOCUS IN	sics ar	nd Bioengineeri	LDSH ng, research, teach
TIVES OF INSTALLA				····
nd clinical servi	ces.			
		· · · · · · · · · · · · · · · · · · ·		
				UIFICE OF USER
				AUG 1 1 1972
	symbol on non-CD	C Equip	ment):	MOSIAL CHOCO
				GROUP LIAISON
Model	•			Core (K)
3300		1		32K
3200		1		32K
2	· · · · · · · · · · · · · · · · · · ·	/0\	<b>-</b>	
	0	(3)		•
	Quantity			Quantity
	1		_3228/607	3
3200	1			
		-		
Disk(s)		(5)	Card Reader(s)	
Model	Quantity		Model	Quantity
3234/854	6		3248/405	1
_ine Printer(s)		(7)	Data Cell(s)	
Model	Quantity			Quantity
	1		***************************************	
	Mainframe(s)  Model 3300 3200  Console(s)  Model 3300 3200  Disk(s)  Model 3234/854	### RAL SITE:    Mainframe(s)	### RAL SITE:    Mainframe(s)	Model         Quantity           3300         1           3200         1           Console(s)         (3) Tape Transport(s)           Model         Quantity         Model           3300         1         3228/607           3200         1         3228/607           Disk(s)         (5) Card Reader(s)           Model         Quantity         Model           3234/854         6         3248/405

	3316	10-20/day	See a	ddendum.
	854 Disk	1-3/Month	seem	us-seek problems to predominate.
	1612 Printer	1-2 / day	•	positioning runawa
	Device	No. of Occurrences (Or Rate of Occurrences)		Nature of Failure
	WARE PROBLEMS URRING HARDWARE PROBLEMS			
	Infoton terminals			8
,,	Textronic based ter	Description Tminals		Quantity 45
(2)	Other Remote Devices			
	PDP-8S	Model		Quantity 2
(1)	Computer(s)			
h RFM	IOTE SITE(S):			
	REDCOR A/D and D/A	Controllers		
	3316 Communications REDCOR A/D and D/A			8TU's
(9)	Other Devices	Description		Quantity
(0)				
	10 KHz Real-Time Cl	<del></del>		2
a. (8)	QSE(s) (Quote Special Equipment	Quantity		

FOCUS - 8 INSTALLATION REPORT	Installation Code: LDSH	Page 3 of 5
B. SOFTWARE SYSTEMS a. Current Operating System MEDLAB	Latest Update5.1	PSR No. N.A.
b. Local Modifications (Add additional descript	tion if desired, as appendix)	
c. QSS(s) (Quote Special Software)  (1) None  (2) (3) (4)		
d. Compiler and Library Routines :  FORTRAN/MEDLAB BAP/MEDLAB		ummary or Local Modifications
e. Current Problems and Comments:		
. SOFTWARE PROBLEMS		
a. Recurring Software Problems:  (1) Operating System:		
(2) Compilers and System Routines:		
b. In your opinion, CDC's response to your soft		Poor
c. System Stability:  Mean time between hardware/software failur  Longest time period between hardware/softw	es4.1 Hrs. (24 hr. day	

10.	OPERATIONS			
	a. Schedule: Preventive Maintenance	From 4 pm	To 12 am	Day of Week Sun
٠	Systems Work	11 pm	6 am	On demand
	Special Time Allotment			None
	Production	12 am	12 am	Daily, except for PM and systems.
	Debugs			On-line
	FCFS, round robin, interrupt lockout.	Real-time, t	ime shared v	vith two priority
	c. Accounting Method: Charges based on: Time	and materia	ls	
	Billing algorithm: Estir			
11.	SPECIAL PROBLEMS: Describe any s	pecial problems th	at have not been a	accounted for by the above categories:
12.	FUTURE PLANS: Describe any future a. Hardware:3170 (64K) to reg			onfiguration:
	3316 capabilitie	<b>\$</b> s.		
	b. Software: Extensive revision	on of MEDLAB	system and	support software.
13.	ADDITIONAL COMMENTS: For Ad	ditional Commen	ts and/or System (	Organization Chart(s), append

ADDENDUM: 3316 Problems.

From installation to approximately 3/72, the 3316 communications controller caused serious main frame problems. Basically the faults were with respect to noise on the memory access busses causing problems when main control referenced memory. Problems resolved by some very capable work by our C.E. and regional Tech. Support. The CEN diagnostic had too many bugs and no (apparent) design criteria to help isolate the problems incurred in memory accessing conflicts.

Currently the 3316 fails about once every third or fourth day with an addressing error.



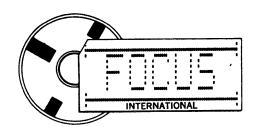
CONT	RIBUTING ORGANIZ	ATION: Wester	rn Ura	anium Project,	Lucius Pitkin, In
P. 0.		Junction		Installation Nam Colorado	81501
	City				State
FOCL	S CONTACT: David	L E. Primm		Director, D	ata Processing Di
DATE	: 72 / 8 / 7	4. FOCUS INS	STALL	ATION CODE:	LPI
<b>D</b> / 11. L	Yr. Mo. Day				
OBJE	CTIVES OF INSTALLA	TION: CONTRA	ACTOR	TO AEC	
					UFFICE UF USER
					AUG 9 1972
					GROUP LIAISON
	WARE (include vendor	symbol on non-CDC	Equip	ement):	
a. CEN	TRAL SITE:				
(1)	Mainframe(s)				
	Model	Qi	uantity		Core (K)
	3100		1		32
	***************************************				
(2)	Console(s)		(3)	Tape Transport(s)	
(-/	Model	Quantity	107	Model	Quantity
	3192	1		604	4
			-		
			-		
			-		
(4)	Disk(s)		(5)	Card Reader(s)	
,	Model	Quantity		Model	Quantity
	<del>85</del> 4	3		405	1
			-		
			<del>-</del>		
			-		
(6)	Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity
	501	1	-		
			_		

	- 8 INSTALLATION REPO	ORT Installation Code:	LPI	Page2
40)				<del></del>
a. (8)	QSE(s) (Quote Special Equip			
•		Description		Quantity
			<del></del> . <del></del>	
(9)	Other Devices			
		Description		Quantity
	415	Card Punch		1
	3691	Paper Tape Reader/Punch		1
b. REN	MOTE SITE(S):			
(1)	Computer(s)			
	•	Model		Quantity
(2)	Other Remote Devices			
		Description		Quantity
HARD	WARE PROBLEMS		-	
	CURRING HARDWARE PROBL	FMS:		
	Device	No. of Occurrences	Nature	of Failure
	405 Card Reader	(Or Rate of Occurrences) Once Per Day	Drops	Ready
	<del></del>			
		-		
	oninian CDC's response to	your hardware request(s) has been:		
h in u-				

ocus -	8 INSTALLATION REPORT	Installation Code:	LPI Page 3 of
SOFTV	VARE SYSTEMS		
a. Curre	ent Operating SystemMSOS	Latest Update V4.	2 PSR No. 228+
b. Loca	Modifications (Add additional descripti   Job Accounting		
(1) (2)	s) (Quote Special Software)		
(4)			
d. Com	piler and Library Routines : FORTRAN	228÷	h PSR Summary or Local Modification
	COBOL	228+	
	COMPASS	228+	
	FORTRACE		
	SHORT		
	LISA	228+	
	REGINA		
	GPSS		
e. Curr	ent Problems and Comments:		
SOFT	NARE PROBLEMS		
a. Recu	ırring Software Problems:		
(1)	Operating System:		
(2)	Compilers and System Routines:		
b. In yo	our opinion, CDC's response to your soft		v
	Excellent Very Good	Good	FairPoor
c. Svete	em Stability:		
•	n time between hardware/software failur	es 8 hours	
	roct time period between hardware softw		

	edule:	From	To	Day of Week
	Preventive Maintenance	0700	0800	Monday thru Friday
			-	
				44-4
		***		<del></del>
*	Systems Work			* These four categories occ
				between the hours of 0800
				and 1630 on Monday thru Friday. No special time
	Consist Time Alternation		-	scheduled for any categor
*	Special Time Allotment			scheduled for any cavegor
		***************************************		
		The state of the s		
*	Production			. ,
*	Debugs			
				****
			***************************************	
b. Job	Scheduling: Describe your job sche	eduling algorithm		
b. Job	Scheduling: Describe your job sche First in, first out	eduling algorithm except for p	riority jobs	s authorized by the Director.
b. Job	Scheduling: Describe your job sche First in, first out	eduling algorithm except for p	riority jobs	s authorized by the Director.
	First in, first out	except for p		
	First in, first out o	except for p	uter is cons	s authorized by the Director.
	First in, first out o	except for places the company for all	uter is cons users.	sidered as an overhead item
	First in, first out o	except for places the company for all	uter is cons users.	sidered as an overhead item
c. Aco	ounting Method: Nonbillab: Charges based on: Billing algorithm: This site commercial	le- The comp for all is solely s	uter is consusers. upported by not authori:	
c. Aco	ounting Method: Nonbillab: Charges based on: Billing algorithm: This site commercial	le- The comp for all is solely s	uter is consusers. upported by not authori:	sidered as an overhead item  the Federal Government and zed.
c. Aco	ounting Method: Nonbillab: Charges based on: Billing algorithm: This site commercial	le- The comp for all is solely s	uter is consusers. upported by not authori:	sidered as an overhead item  the Federal Government and zed.
c. Aco	ounting Method: Nonbillab: Charges based on: Billing algorithm: This site commercial	le- The comp for all is solely s	uter is consusers. upported by not authori:	sidered as an overhead item  the Federal Government and zed.
c. Acc	ounting Method: Nonbillab: Charges based on: Billing algorithm: This site commercial IAL PROBLEMS: Describe any	le- The comp for all is solely s l sales are special problems	uter is consusers.  supported by not authoristhat have not been	sidered as an overhead item  the Federal Government and zed. n accounted for by the above categories:
c. Acc	ounting Method: Nonbillab: Charges based on: Billing algorithm: This site commercia. IAL PROBLEMS: Describe any	le- The comp for all is solely s l sales are special problems	uter is consusers.  supported by not authoristhat have not been	sidered as an overhead item  the Federal Government and zed. n accounted for by the above categories:
c. Acc	ounting Method: Nonbillab: Charges based on: Billing algorithm: This site commercial IAL PROBLEMS: Describe any	le- The comp for all is solely s l sales are special problems	uter is consusers.  supported by not authoristhat have not been	the Federal Government and zed.

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



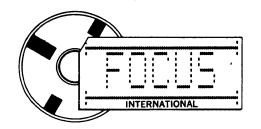
	ŧ		•		
RIBUTING ORGANIZ	ATION: Law	nar L	Iniversity		
aumont			TEXAS	, つうつ10 State	
^ .	a Blount	TH	*	tate	
			ATION CODE.	Title LUCC	
Yr. Mo. Day	-	4	i	•	
			0 11	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	MISTROTIC	u B	) tactuit	y and	
aceurs.					
			U	FRICE OF USER	
WARE (include vendo	r symbol on non-C	DC Equip	ment):	JG 3 0 1972	
TRAL SITE:	i symbol on non-o	- C Equip		OUP LIAISON	
Mainframe(s)			<b></b>	minosti	
Model		Quantity		Core (K)	
<u> </u>				65	
Console(s)		(3)	Tape Transport(s)		
Model	Quantity •		Model (C)	Quantity	
			_604		
Disk(s)		(5)	Card Reader(s)	O andib.	
Model	<u>Quantity</u>		U Nodel	Quantity \	
0					
Line Printer(s)		(7)	Data Cell(s)	Oversieve	
Line Printer(s)  Model	Quantity	(7)	Data Cell(s)  Model	Quantity	
	Quantity	(7)		Quantity	
	Console(s)  S CONTACT: GUY City  S CONTACT: GUY City  City  S CONTACT: GUY City  Console Console(s)  Model  330	Console(s)  Contact: Green A. Blownt Name  TO 08/25 4. FOCUS I  Trom Mo. Day  A. FOCUS I  Prove the Comministration  WARE (include vendor symbol on non-Contral SITE:  Mainframe(s)  Model  3300  Disk(s)	Console(s)  City  S CONTACT: Guy A. Blount, It  Name  4. FOCUS INSTALLATION: Provide  Has administration: Provide  Has administration:  WARE (include vendor symbol on non-CDC Equip  TRAL SITE:  Mainframe(s)  Model  Ouantity  Ouantity  Ouantity  Disk(s)  Disk(s)  Ountity  Ouantity  Ouantity	Installation Name  S CONTACT: Gray A. Blownt, It  Name  17208/25  4. FOCUS INSTALLATION CODE:  TIVES OF INSTALLATION: Provide Compute  the administration factult  adents.  WARE (include vendor symbol on non-CDC Equipment):  TRAL SITE:  Mainframe(s)  Model  330  Quantity  Console(s)  Model  Quantity  Model  Guantity  Model  Guan	

<del></del>	- 8 INSTALLATION REPO	ORT Installation Code:	Page 2 c
a. (8)	QSE(s) (Quote Special Equip	ment)	
	1.	Description	Quantity
	Vone,	· .	
	-		
(9)	Other Devices	Description	<b>O</b>
		Description	Quantity
b. REf	MOTE SITE(S):		
(1)	Computer(s)		
	None_	Model	Quantity
(2)	Other Remote Devices		
(2)	Other Memote Devices	Description	Quantity
HAR	DWARE PROBLEMS		
a. REC	CURRING HARDWARE PROBL		AL
	<u>Device</u>	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
		-	
		- -	
		-	

FC	CUS -	8 INSTALLATION REPORT Installation Code: LUCC Page 3 of
8.	SOFTV	VARE SYSTEMS ent Operating System MASTER 3.2 Latest Update PSR No Z64+
	b. Loca	Modifications (Add additional description if desired, as appendix)  Account no. Checking.
		Suppress MAPS (need \$MAP=4 to get one)
	c. QSS( (1) (2) (3)	(s) (Quote Special Software)
	(4)	
	d. Com	Updated through PSR Summary or Local Modifications:  CBL  CBL  FTN  CWP  CMP
	e. Curr	ent Problems and Comments:  Some problems with RLDR
9.	SOFT	WARE PROBLEMS
	a. Recu (1)	Operating System:
	(2)	Compilers and System Routines:
	b. In ye	our opinion, CDC's response to your software requestle has been:Excellent Very Good Good Fair Poor
	Mea	em Stability:  In time between hardware/software failures about 5 10 hour days  gest time period between hardware/software failures about 5 10 hour days

OPERATIONS			
a. Schedule: Preventive Maintenance	0500 0500	0900 0900	Day of Week Tixesday Wednes day
Systems Work	2000	0800	As required
Special Time Allotment			
Production	0800	2000	Monday - Friday
Debugs	0800	7000	Monday - Friday
b. Job Scheduling: Describe your job scheduling:			
c. Accounting Method:  Charges based on:	I, CPU	,6010,	PEQ
SPECIAL PROBLEMS: Describe any s	pecial problems	that have not been	accounted for by the above categor
FUTURE PLANS: Describe any future  a. Hardware:	· .		configuration:
- USE EILE			

178



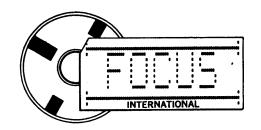
CONT	FRIBUTING ORGANIZ	University	ersity		
				Louisiana	
FOC	US CONTACT: Mr.			-	tate
	E: 72 / 08 / 08			ATION CODE:	Title LUNO
FOCUS DATE: OBJEC HARDN a. CENT (1)	CTIVES OF INSTALL	Educ	ationai	/ Administrative	
***					
					uttice of User
HARI	DWARE (include vendo	r symbol on non Cf	no Equip		AUG 14 19/2
	JWANE (Include Velido JTRAL SITE:	r symbol on non-cr	o Equip	ment):	
	Mainframe(s)				GROUP LIAISON
	Model		Quantity		Core (K)
	3300		1		32
(2)	Console(s)		(3)	Tape Transport(s)	
	Model	Quantity		Model	Quantity
	3304	1		608	3
			ALC T 11 ALC		
(4)	Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		Model	Quantity
	854	2		405	1
(6)	Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity
	501	1	<del></del>		englan skupplerigi om it die it Abrillian i i station mittelligie station die et al.

FOCUS -	- 8 INSTALLATION RE	PORT Installation Code:	Page <u>2</u> of
6. a. (8)	QSE(s) (Quote Special Equ	uipment)	
		Description	Quantity
			***************************************
(9)	Other Devices	Description	
		Description	Quantity
* .			
b. REM	OTE SITE(S):		
(1)	Computer(s)		
	000 tim	Model	Quantity
	200 UT		1
(2)	Other Remote Devices	Description	Quantity
	WARE PROBLEMS URRING HARDWARE PROB	BLEMS:	
	Device	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
	608	High-6-10 Weekly	Parity Error-Compatibility
	3302	1 - 10 Monthly	Memory Parity
	501	15 - Semi-Yearly	Character Drop
	405	19 - Yearly	Jam & mis-read
b. In yo	ur opinion, CDC's response to	your hardware request(s) has been:	
	Excellent	Very Good Good	Poor

Installation Code: LUNO 8. SOFTWARE SYSTEMS a. Current Operating System MSOS Latest Update Current PSR No. Current b. Local Modifications (Add additional description if desired, as appendix) Accounting System - MSOS c. QSS(s) (Quote Special Software) (1) (2) (3) \_\_\_\_ (4) d. Compiler and Library Routines: Updated through PSR Summary or Local Modifications: e. Current Problems and Comments: Better than last year 9. SOFTWARE PROBLEMS a. Recurring Software Problems: (1) Operating System: Compilers and System Routines: (2) b. In your opinion, CDC's response to your software request(s) has been: \_\_\_\_Excellent \_\_\_\_Very Good \_\_\_\_Good \_X\_Fair \_\_\_\_Poor c. System Stability: Longest time period between hardware/software failures 21 Days

Page 3 of

FOCUS - 8 INSTALLATION REPORT

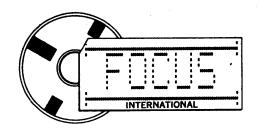


	St. Louis			Mis	State
	City	0 a' a D AA		Cata	State
OCL	S CONTACT: Cal	Name N. Mari	for	34500	Title (
DATE	: 721 08 107	4. FOCUS IN	ISTALLA	ATION CODE:	MAC
FOCUS CONTACT: Catherine R. Mayo Syste  Name  DATE: 721 08 107  Vr. Mo. Day  OBJECTIVES OF INSTALLATION: Lervice bureau  HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  8092	aerospa ce				
	The second se				
					UtriCE OF USER
					AUG 1 0 1972
		symbol on non-CD	C Equip	ment):	GROUP LIAISON
	Model	9	Quantity		Core (K)
	8092		<u> </u>		
(2)			(3)	Tape Transport(s)	Outratitus
(2)	Model	Quantity	(3)	Model	Quantity
(2)	Model	Quantity /	(3)	Model	Quantity /
(2)	Model	Quantity /	(3)	Model	Quantity /
	Teletype	Quantity /		Model 609	Quantity /
	Model Teletype  Disk(s)			Model 609  Card Reader(s)	
	Model Teletype  Disk(s)			Model 609  Card Reader(s)	Quantity
	Model Teletype  Disk(s)			Model 609  Card Reader(s)	
	Model Teletype  Disk(s)			Model 609  Card Reader(s)	
(4)	Model Teletrype  Disk(s)  Model		(5)	Model 609  Card Reader(s)  Model	
(4)	Model Teletape  Disk(s)  Model  Line Printer(s)	Quantity	(5)	Model 609  Card Reader(s)  Model  Data Cell(s)	

	Description	Quantity
(9)	Other Devices	
	Description	Quantity
	915 aptical Page Reac	
	MOTE SITE(S):	
(1)	Computer(s)	
	Model	Quantity
	:	
(2)	Other Remote Devices	
	Description	Quantity
	-	
	WARE PROBLEMS	
a. KEC	CURRING HARDWARE PROBLEMS:	
	Device No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
		· · · · · · · · · · · · · · · · · · ·
		·
		· <del></del>

\_\_\_ Good \_\_\_Very Good \_\_\_\_ Fair Poor Excellent

FC	DCUS - 8 INSTALLATION REPORT	Installation Code:	MAC	Page 4 of
10.	OPERATIONS			
	a. Schedule:	From To		
			M,A <u>or</u>	Day of Week  Yon + Thus
	•			
	Systems Work			request
	Special Time Allotment			
	- Production _	3 shifts	a	va 90 hrs/week
	- - Debugs -	U		
	· - -			
	b. Job Scheduling: Describe your job schedul  department		oched	uling
	c. Accounting Method:  Charges based on: wo, of - Billing algorithm: under	lines sca	nned	
1.	SPECIAL PROBLEMS: Describe any spec		t been account	ed for by the above categories:
2.	FUTURE PLANS: Describe any future in a. Hardware:			
	b. Software:			
3.	ADDITIONAL COMMENTS: For Addi	tional Comments and/or 9	vetem Organiz	ation Chart(s), append



•	CONT	RIBUTING ORGAN	17ATION:	Muc	- EC	=	Corr
١.		o NW 36 tif				Installation Name	9
		City	′ .			-corion	State
2.	FOCL	IS CONTACT: E	Nam	Le ( 7/2	<u> </u>	JAJy srem	Title ANALYST
3.	DATE	: <u>721 8 1 9</u> Yr. Mo. Day			ISTALLA	TION CODE:	MEC
5.		Yr. Mo. Day CTIVES OF INSTAL					
•				ENTIFIC	- D	ATA Poice	TSNS
	On	LING M	ANAGE	MENT	EN	FORMATION	Sy som s
6.	HARD	WARE (include vend	dor symbol	on non-CD	C Equip	ment):	Uttice of User
	a. CEN	TRAL SITE:					AUG 11 1972
	(1)	Mainframe(s)					O -OBOLIO LIAICON
		32/5			Quantity /		Coregroup LIAISON  32 x words
	(2)	Console(s)  Model  320/ 3/92	<u>o</u>	uantity /	(3)	Tape Transport(s)  Model  608	Quantity 2
	(4)	Disk(s)  Model  S  F	<u></u>	Suantity S	(5) 	Card Reader(s)  Model  40 5	Quantity
	(6)	Line Printer(s)  Model  5		uantity	(7) 	Data Cell(s)  Model	Quantity

b. In you	ır opinion, CDC's resp	ponse to your hardware	request(s) has been	:	
-	Excellent	Very Good	Good	Fair	Poo

OCUS	- 8 INSTALLATION REPORT	Installation Code:	Page 3 of
	WARE SYSTEMS rent Operating System	PSR No.	
b. L	TWARE SYSTEMS  arrent Operating System		
<b>c. Q</b> (1 (2	CASH		
(4 d. C	ompiler and Library Routines:	Updated through PSR S	ummary or Local Modifications
e. C	urrent Problems and Comments:		
. SOF	TWARE PROBLEMS		
	ecurring Software Problems:		
(1	-		
(2	Compilers and System Routines:		
b. In		ware requestle has been:	
	Excellent Very Good	Good Fair	Poor
	ystem Stability:		
	lean time between hardware/software failure ongest time period between hardware/softw		<u> </u>

			<del></del>	<del></del>					
	<del>de antidoria de la composición de la composició</del>	<del></del>			<del></del>	<del>- ii</del>	<del></del>	<del></del>	
	c. Accounting Method:	ges based on:							
	Charges based on:								
	Billing algorithm:								
11.	SPECIAL PROBLEMS:	Describe any special	problems t	hat have not	been acco	unted for	by the abo	ve categori	es:

12. FUTURE PLANS: Describe any future implementations to your current configuration:

b. Job Scheduling: Describe your job scheduling algorithm

a. Hardware:

b. Software: OPDER ENSON SYSTEM (ON LINE)

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



1.		RIBUTING ORGANIZA				Installation Name	Mfg. co.
		Appleton				W15CUN	SIN tate
2		S CONTACT: MYE					
<b>د.</b>			_				,
3.	DATE	: 72 / 8 / 7 Yr. Mo. Day	4. FC	CUS INS	IALLA	TION CODE:	MEMC
5.	OBJEC	TIVES OF INSTALLA	TION:	nanus	lack	uring	
				·			
6	HARD	WARE (include vendor	symbol on	non-CDC	Equip	ment):	
υ.		TRAL SITE:	Symbol on	11011 000	- <b>-</b>		
	(1)	Mainframe(s)					
	, , ,	Model		Qua	antity		Core (K)
		3/00			/	<u> </u>	32
			***				
	(2)	Console(s)			(3)	Tape Transport(s)	
		<u>Model</u>	Qua	ntity		Model	Quantity
		3/0/		<u> </u>		601	
	(4)	Disk(s)			(5)	Card Reader(s)	
		Model	Qua	ntity		Model	Quantity
		_854_		<u></u>		405	
	(6)	Line Printer(s)			(7)	Data Cell(s)	0
		Model	Qua	ntity		Model	Quantity
		50/				make any order of the state of	
							,
							·

Poor

b. In your opinion, CDC's response to your hardware request(s) has been:

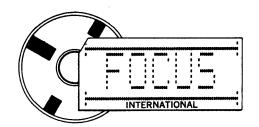
\_\_\_\_Excellent

Installation Code:

FOCUS - 8 INSTALLATION REPORT

Page 3 of

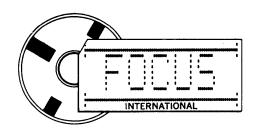
13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



1.	CONT	RIBUTING ORGANIZ	outer Center Installation Nan			
	Mn	ols.			Minnes	· · -
	-	City				State
2.	FOC	JS CONTACT: Dr.	Thomas Hoffman		Directo	or
3.		:: <u>72/ 9 / 5</u> Yr. Mo. Day			ATION CODE:	Title MINN
5.		•		de remo	ote access to a	CDC 6600 computer
		to provide local 1				
	inter	eractive capabilit				
						A
						OFFICE OF USER
6.	HARE	DWARE (include vendo	r symbol on non-C[	OC Equip	ment):	SEP 1 1 1972
	a. CEN	ITRAL SITE:				ODOLO LILIOON
	(1)	Mainframe(s)				GROUP LIAISON
		Model		Quantity		Core (K)
		3210		1		32K
	(2)	Console(s)  Model  Disk(s)  Model  854	Quantity Quantity 4	(3)	Tape Transport(s)  Model  601  Card Reader(s)  Model  405	Quantity 2 Quantity 1
	(6)	Line Printer(s)  Model  501	Quantity 1	(7)	Data Cell(s)  Model	Quantity

	- 8 INSTALLATION REP	ORT Installation Code:	MINN Page 2	2_°
(0)	005/11/00/10/11/00			
a. (8)	QSE(s) (Quote Special Equip			
	ODG 011 D: 1 /n .:		Quantity	
	CDC ZII DISPIAY/Entr	ry Stations and Controlle		
(9)	Other Devices			
		Description	Quantity	
b. REN	MOTE SITE(S):			
(1)	Computer(s)			
		Model	Quantity	
(2)	Other Remote Devices			
		Description	Quantity	
6. a. (8) QSE(s) (Quote Special Equipment)  Description Quant  QDC 211 Display/Entry Stations and Controller  (9) Other Devices  Description Quant  (1) Computer(s)  Model Quant  (2) Other Remote Devices  Description Quant  Annual Controller  Quant  Outlier  Model Quant  (2) Other Remote Devices  Description Quant  (3) Other Remote Devices  Description Quant  Outlier  No. of Occurrences (Or Rate of Occurrences) (Or Rate of Occurrences)  Nature of Failur  Column's fail	·			
		FMS:		
		No. of Occurrences	Nature of Failure	
	501	no statistics	Column's fail	
	854	no statistics	fails to seek addres	s c

198

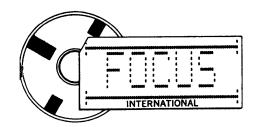


1. CO	NTRIBUTING ORGANIZ	ATION: Mi	chigan	State Universi	ty
	East Lansing			Installation Name Michigan	, •
	City				tate
2. FO	CUS CONTACT:	Richard R. Moor	re	Superviso	r Systems Programming
3. DA	TE: 72/8 / 7	Name 4. FOCUS IN	NSTALLA	ATION CODE:	Title MSU
6. OB	JECTIVES OF INSTALLA		the r	esearch computi	ng and instructional
	omputing needs of the	e university.			
					AUG 11 1972
	**************************************				AUG 1 1 102
i. HA	RDWARE (include vendor	symbol on non-CD	C Fauin	ment):	- 1 13/5
	ENTRAL SITE:	symbol on hon oc	o Equip	inorty i	GROUP LIAISON
	1) Mainframe(s)				- <b>4</b>
•	Model		Quantity		Core (K)
	3600	,	1		-
		<del></del>		<del></del>	64K
	6500 PDP-11/20	/11/15	$\frac{1}{1;1}$		64K 16K; 4K
	TDI 11/20,	/11/13	<u> </u>		10K, 4K
(:	2) Console(s)		(3)	Tape Transport(s)	
-	Model	Quantity		Model	Quantity
	3601	1		606	10
	6612	1		607	4
	· · · · · · · · · · · · · · · · · · ·				
(4	1) Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		Model	Quantity
	6638	1	<del></del>	405	3
	821-2	1		· .	
					· · · · · · · · · · · · · · · · · · ·
(6	3) Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity
	501	2		AND COMMON CONTROL COMMON CONTROL CONT	A STATE OF THE PARTY OF THE PAR
	512	2		***	
	·				

	8 INSTALLATION REPORT Installation Code:	Page 2
a. (8)	QSE(s) (Quote Special Equipment)	
	Description	Quantity
	Chronolog calander clock (6500)	1
(9)	Other Devices	
	Description	Quantity
h DEM	OTE SITE(S):	
	Computer(s)	
( ) I-		
	<u>Model</u>	Quantity
		**************************************
(0)		
(2)	Other Remote Devices	
	Description	Quantity
	200 UF (for 6500)	4
		<del></del>
	VARE PROBLEMS	
a. RECL	RRING HARDWARE PROBLEMS:	
	Device No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
). În you	r opinion, CDC's response to your hardware request(s) has been:	
	Excellent Very Good Good F	air Poor

OCUS - 8	INSTALLATION REP	ORT Installation (	Code:	Page 3 of	-
	ARE SYSTEMS 3600 at Operating SystemDrum	SCOPE Latest Undate	Modified	PSR No.	
b. Local	Modifications (Add additional	description if desired, as app	pendix)		
c OSS(s	) (Quote Special Software)				
(1)					
(2)					
(3) (4)					
d. Comp	iler and Library Routines : FOR	•	ated through PSR Sumr	nary or Local Modificatio	ns:
	FORTRAN				
	OMPASS				
			<u> </u>		
e. Curre	nt Problems and Comments:				
. SOFTV	VARE PROBLEMS				
	rring Software Problems:				
(1)	Operating System:				
(2)	Compilers and System Routi	nes:			
	000/		r hoop:		
b. In yo	ur opinion, CDC's response to			Poor X not	obs
c. Svste				<del></del>	
Mear	time between hardware/softw	ware failures 8 ho	ours (software o	rash)	
c. Syste	Excellentem Stability:	Very Good Goodware failures 8 ho	ours (software c	erash)	t

	- 8 INSTALLATION REPOR	T Installatio	on Code:	Page 4 of
00	7600			
	RATIONS 3600			
a. Sch	edule:	From	То	Day of Week
	Preventive Maintenance	0800	0900	TWTF
		0600	1000	M
			***	
	Systems Work			
	Oystems Work			
			<del></del>	
			<del></del>	
	Special Time Allotment			
		-		
			2400	
	Production	0900	2400	TWTF
		0001	0600	MTWTF
		1000	2400	Monday
	Debugs	***************************************		
c. Acc	ounting Method:			
	Charges based on:			
	Charges based on:			
	Billing algorithm:			
SPECI		pecial problems t	hat have not been ac	counted for by the above categori
FUTU	AL PROBLEMS: Describe any space.  RE PLANS: Describe any future	implementations		ifiguration:



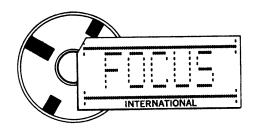
1.	CONT	RIBUTING ORGANI	ZATION: M	otor Vehi	cle Adminis	tration
		Glen Burn	ie.			
		Glen Burn City	<del></del>			yland State
2.	FOCL	JS CONTACT: Ja	ck Burke		Data Pro	ocessing Manager Title
3.	DATE			US INSTALL	ATION CODE:	MVAM
5.	OBJE	Yr. Mo. Day CTIVES OF INSTALL	ATION: Reg	istration	of Vehicle	s; License and
	ID	Issuance; Driv	er Record	s; Commur	nications St	ate-Wide with
		or Vehicle Bra				
						Uttice of User
6.	HARD	OWARE (include vende	or symbol on m	on-CDC Faui	pment):	AUG 14 1972
-•	a. CEN	ITRAL SITE:	er eyinadi diri	च्याच्याचार	•	GROUP LIAISON
	(1)	Mainframe(s)		<b>0</b>		Cara IVI
		Model		Quantity	<del>-</del>	Core (K) 196
		3300		22		170
	(2)	Console(s)  Model  3301	Quanti 2	(3) ity	Tape Transport(s)  Model 607	Quantity 6
	(4)	Disk(s)		(5)		
	( <del>-7</del> /	Model	Quant	,-,	Model	Quantity
		821 <b>–</b> 2	3	and a second	405	1
		821 <u>-2</u> 841 <u>-</u> 4				
	(6)	Line Printer(s)		(7)	) Data Cell(s)	
	-	Model	Quant	ity	Model	Quantity
		512	2			

FOCUS -	- 8 INSTALLATION REPO	₹T	Installation Code:_	MVAM	Page 2 of
					·
6. a. (8)	QSE(s) (Quote Special Equipm				
	0.71.1.1.2.44	Description	<del></del>		Quantity
	Switchable Memor				
	Periph	eral Be	etween System	S	
(9)	Other Devices				
		Description	<u>on</u>		Quantity
	Univac 1004/1005	2 tapes	- Reader-Pu	nch	1
	PDP 1105 - Front				1
h REA	MOTE SITE(S):				
(1)	Computer(s)				
\· <i>,</i>	Obhiputer (3)	Model			•
	360-40 - State P				Quantity 1
	Journal - Beace I	21166			
(2)	Other Remote Devices				
(2)	Other Remote Devices	Danasinais	_		
	Bunker-Ramo CRT	Description )	<u>n</u>		Quantity
	Teletype RO's, K.		Dedetar	<del></del>	<u> </u>
	Terminit - Centre		Printers		21
	- Contra	<u> </u>			
'. HARD	WARE PROBLEMS				
a. REC	URRING HARDWARE PROBLEM	/IS:			
	Device		. of Occurrences		Nature of Failure
	3316-Comm Cont	Appro	x Two a Day	Illeg	al Address
	821-2	Spor	adic	Degen	erating Addresse:
				and	Data
		***************************************			
		****			
b. In yo	our opinion, CDC's response to you	r hardware r	equest(s) has been:		
	ExcellentVe	ry Good	X Good	Fair	Poor
	V	. ,			

1	0.	0	D	F	D	۸	T	1	٨	ıc
	v.	v	г	_	n	м		U	ı١	10

a. Sci	hedule:	From	То	Day of Week
	Preventive Maintenance	6 AM	10 AM	Wed & Friday
	One computer at	6 AM	<u>8 AM</u>	Mon
	a time	20 hrs	per month	1-821 - usually on weekend
	Systems Work			Software updates are
				fitted in as produc-
				tion allows
	Consist Time Attended			
	Special Time Allotment			Communication tests
				usually on Sunday
	Production			24 hrs a day 7 days
	· · · · · · · · · · · · · · · · · · ·			24 hrs a day 7 days a week
	Communications	- the second art and a principle and a second		24 hrs a day 7 days
				a week
	Debugs	5 AM	4:30 PM	Fitted in as produc-
		Mon to	Friday	tion allows.
b. Job	Scheduling: Describe your job sch			obs within applications
b. Job	Use schedule boar that will fit in	d approach	n showing j unt of core	e avail - File usage
b. Job	Use schedule boar	d approach	n showing j unt of core	obs within applications avail - File usage
	Use schedule boar that will fit in	d approach	n showing j unt of core	e avail - File usage
	Use schedule boar that will fit in tape usage, etc.	d approach	n showing j unt of core	e avail - File usage
	Use schedule boar that will fit in tape usage, etc.  counting Method: Charges based on: CPU & C	d approach total amou	n showing junt of core	e avail - File usage
c. Acc	Use schedule boar that will fit in tape usage, etc.  counting Method: Charges based on: CPU & C Billing algorithm:	d approach total amou	n showing junt of core	e avail - File usage
c. Acc	Use schedule boar that will fit in tape usage, etc.  counting Method: Charges based on: CPU & C Billing algorithm:  IAL PROBLEMS: Describe any	total amou	n showing junt of core	accounted for by the above categories:
c. Acc	Use schedule boar that will fit in tape usage, etc.  counting Method: Charges based on: CPU & C Billing algorithm: IAL PROBLEMS: Describe any Pooling of input	total amount total	n showing just of core  that have not been	accounted for by the above categories:
c. Acc	Use schedule boar that will fit in tape usage, etc.  counting Method: Charges based on: CPU & C Billing algorithm: IAL PROBLEMS: Describe any Pooling of input 6 607 tape units need	total amount total	n showing just of core  that have not been  Mohawk tap	accounted for by the above categories:  the devices to be run on the alignment because
c. Acc	Use schedule boar that will fit in tape usage, etc.  counting Method: Charges based on: CPU & C Billing algorithm: IAL PROBLEMS: Describe any Pooling of input	total amount total	n showing just of core  that have not been  Mohawk tap	accounted for by the above categories:  the devices to be run on the alignment because
c. Acc	Use schedule boar that will fit in tape usage, etc.  counting Method: Charges based on: CPU & C Billing algorithm: IAL PROBLEMS: Describe any Pooling of input 6 607 tape units need	total amount total	n showing junt of core that have not been Mohawk tap s engineeri	accounted for by the above categories:  the devices to be run on ng alignment because rewing of tapes.
c. Acc	that will fit in tape usage, etc.  counting Method: Charges based on: CPU & C Billing algorithm:  IAL PROBLEMS: Describe any Pooling of input 607 tape units need of inter-block gas  URE PLANS: Describe any future dware: Expansion to 26	total amount to the special problems data from cessitates problems to the special problems to th	that have not been Mohawk tap s engineeri aces and sc as to your current of	accounted for by the above categories: we devices to be run on ng alignment because rewing of tapes.
c. Acc	that will fit in tape usage, etc.  counting Method: Charges based on: CPU & C Billing algorithm:  IAL PROBLEMS: Describe any Pooling of input of 607 tape units need of inter-block gas  JRE PLANS: Describe any future.	total amount to the special problems data from cessitates problems to the special problems to th	that have not been Mohawk tap s engineeri aces and sc as to your current of	accounted for by the above categories:  the devices to be run on ng alignment because rewing of tapes.

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

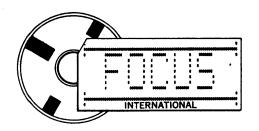


1. CONTRIBUTING ORGANIZATION: NATIONAL ASTRONOMY \$ 10NSAHERE CONTRIBUTIONS OF THE Installation Name  Dox 955 ARCIGO DEPT. HEAD  City State  2. FOCUS CONTACT: ELLIUTT A. MAYO COMPUTED DEPT. HEAD  Name  3. DATE: 72-1 8 1 0 4. FOCUS INSTALLATION CODE: NATC  OBJECTIVES OF INSTALLATION:  PADIO - RADRE ASTRONOMY \$ 10NCSPHERIC DATA  THEN \$ \$ ANALYS.S   OFFICE OF USER  AUG 14 1973  a. CENTRAL SITE:  (1) Mainframe(s)  Model  3 3 C c	1	CONT	RIBUTING ORGANI	ZATION: NATION	AL AS	TRONOMY & 101	NOSHERE CENTER
2. FOCUS CONTACT: ELLIOTT A. DIAYO COMPUTER DEPT. HEAD  Name  3. DATE: 721 8 1 0 Y. Mo. Day  4. FOCUS INSTALLATION CODE: NATC.  5. OBJECTIVES OF INSTALLATION:  PADIO - 2ADAR ASTRONOMY & 10NCSPHERIC DATA  TAKING & ANALYSIS  6. HARDWARE (include vendor symbol on non-CDC Equipment): AUG 14 1973  a. CENTRAL SITE:  (1) Mainframe(s)  Model  Ouantity  Model  3300  Quantity  Model  Ouantity  Model  Guantity  Model  SSY  AUG 14 1973  Gre (K)  32   (2) Console(s)  Model  Quantity  Model  Guantity  Model  Guantity  Model  SSY  AUG 14 1973  Gre (K)  32   (4) Disk(s)  Model  Quantity  Model  Quantity  Model  Quantity  Model  Guantity  Model  Quantity	••						
3. DATE: 71 8 1 0 4. FOCUS INSTALLATION CODE: NATC  5. OBJECTIVES OF INSTALLATION:  PHOIO - RADAR ASTRONOMY & IONCSPHERIC DATA  THUMS & ANRLYS'S  6. HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  3300  (2) Console(s)  Model  3300  (3) Tape Transport(s)  Model  3300  (4) Disk(s)  Model  Quantity  Model  SSY  Quantity  Model  Model  Quantity  Model  SSY  Quantity  Model  Model  Quantity  Model  SSY  Quantity  Model  Model  Quantity		Bo	X 995 AREC	1BC		State	
3. DATE: 71 8 1 0 4. FOCUS INSTALLATION CODE: NATC  5. OBJECTIVES OF INSTALLATION:  PHOIO - RADAR ASTRONOMY & IONCSPHERIC DATA  THUMS & ANRLYS'S  6. HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  3300  (2) Console(s)  Model  3300  (3) Tape Transport(s)  Model  3300  (4) Disk(s)  Model  Quantity  Model  SSY  Quantity  Model  Model  Quantity  Model  SSY  Quantity  Model  Model  Quantity  Model  SSY  Quantity  Model  Model  Quantity	2.						
OBJECTIVES OF INSTALLATION:  PRO10 - RADAR ASTRONOMY & 10NOSPHERIC DATA  TAILING & ANALYSIS  HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  3300  (2) Console(s)  Model  Quantity  Model  320/  (4) Disk(s)  Model  Quantity  Model  Quantity  Model  SYM  Model  Quantity  Model  SYM  Model  Quantity  Model  Model  Quantity  Model  SYM  Model  Quantity  Model  Model  Quantity  Model  Model  Quantity  Model  Model  Quantity	•	DATE		Name  A FOCIS IN	΄ ΔΙΙΔΤΖΙΙΔ	TION CODE: $\mathcal{N}$	AIC
PROJO - RADAR ASTRONOMY & JONESPHERIC DATA  THEN 9 & ANALYS S  6. HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  3 3 0 0  Quantity  Model  3 2 0 /   (2) Console(s)  Model  Quantity  Model  3 2 0 /   (4) Disk(s)  Model  Quantity  Model  Quantity  Model  SSY  Quantity  Model  Quantity  Model  Quantity  Model  Quantity  Model  SSY  Quantity  Model  Quantity	3.	DATE	Yr. Mo. Day	_ <b>4.</b> 1000311	1317LL	11011 CO <u>DE. 70</u>	
UTFILE OF USER  5. HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  3300  (2) Console(s)  Model  Quantity  Model  320/  (4) Disk(s)  Model  Quantity	5.	OBJEC	TIVES OF INSTALL	ATION:			
6. HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  3300  (2) Console(s)  Model  3300  (3) Tape Transport(s)  Model  3300  (4) Disk(s)  Model  Quantity  Model  SSY  (5) Card Reader(s)  Model  SSY  (6) Line Printer(s)  Model  Quantity							
6. HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE: (1) Mainframe(s)  Model  33000  (2) Console(s)  Model  320/  (4) Disk(s)  Model  Quantity  Model  Quantity  Model  SSY  Quantity  Model  Quantity  Model  Quantity  Model  SSY  Quantity  Model  Quantity		TAIS	LING & ANA	124515			
6. HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE: (1) Mainframe(s)  Model  33000  (2) Console(s)  Model  320/  (4) Disk(s)  Model  Quantity  Model  Quantity  Model  SSY  Quantity  Model  Quantity  Model  Quantity  Model  SSY  Quantity  Model  Quantity							UITICE OF IISER
Amount   A	6.	HARD	WARE (include vende	or symbol on non-CD	C Equip	ment):	
Model  3 3 c c  (2) Console(s)  Model  3 3 c c  (3) Tape Transport(s)  Model  3 3 c c  (4) Disk(s)  Model  Sylvarian  (5) Card Reader(s)  Model  Sylvarian  (6) Line Printer(s)  Model  Quantity  Quantity  (7) Data Cell(s)  Model  Quantity		a. CEN	TRAL SITE:				
(2) Console(s)  Model  320/    Model   Quantity   Model   Guantity		(1)	Mainframe(s)				
(2) Console(s)  Model  3.2 Cl  /  Disk(s)  Model  Quantity  /  (5) Card Reader(s)  Model  SSY  Quantity  Model  Quantity			Model		Quantity		
Model    Model   Quantity   Model   Quantity			<u> 3306</u>				36
Model    Model   Quantity   Model   Quantity							
(4) Disk(s)  Model  SSY  (5) Card Reader(s)  Model  Model  SSY  (7) Data Cell(s)  Model  Quantity  Model  Quantity  Model  Quantity  Model  Quantity  Model  Quantity		(2)	Console(s)		(3)		Quantity
(4) Disk(s)  Model SSY  Quantity Model SSY  (7) Data Cell(s)  Model Quantity Model Quantity  Model Quantity  Model Quantity  Model Quantity				***************************************			
Model Quantity Model Quantity  S 5 4 2 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			330/				
Model Quantity Model Quantity  S 5 4 2 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
Model SSY Data Cell(s) Model Quantity Model Quantity  (6) Line Printer(s) Model Quantity Model Quantity Model Quantity		(4)	Disk(s)		(5)	Card Reader(s)	
(6) Line Printer(s)  Model  Quantity  Model  Quantity  Quantity		• • •	Model	Quantity		<u>Model</u>	Quantity
Model Quantity Model Quantity				2		405	
Model Quantity Model Quantity							
Model Quantity Model Quantity							
Model		(6)	Line Printer(s)		(7)	Data Cell(s)	
50/ /				Quantity		Model	Quantity
			501				
					-		

	QSE(s) (Quote Special Equipment)			
	<u>D</u>	escription		Quantity
(0)				
(9)	Other Devices			
		escription		Quantity
	CALCOM SES PLOT			
	CDC 415 CARD PU.	NCH 2000 0 /24/5		
	Coc sell PAPER /	THE REMARKY FUNC	7	
b. REN	MOTE SITE(S):			
(1)	Computer(s)			
		Model		Quantity
		With the second		Contity
(2)	Other Remote Devices			
	De	escription		Quantity
HARD	WARE PROBLEMS			
	URRING HARDWARE PROBLEMS:			
	Device	No. of Occurrences		Nature of Failure
	·	(Or Rate of Occurrences)	-	National Control of the Control of t
	04			
	(PARD READER		ComPARI	EPRIL FEED FA
	CARD PUNCH		Ert (	. FA
				THIC

). Locai	Modifications (Add additional description	if desired, as appendix)
	ACCOUNTING SYSTEM	1
	,	
a. QSS(	s) (Quote Special Software)	
(1)		
(2)		
(3)		
(4)		
,		
d. Com	piler and Library Routines:	Updated through PSR Summary or Local Modification
		- LOCAC
	FLOATF	
e. Curr	ent Problems and Comments:	
	WARE PROBLEMS	
a. Recu	urring Software Problems:	
(1)	Operating System:	
(2)	Compilers and System Routines:	
h Inv	our opinion, CDC's response to your software ExcellentVery Good	are request(s) has been:
D y		Good Fair Poor

OPERATIONS			
a. Schedule:	From	To	Day of Week
Preventive Maintenance	8:00 Am	AS REGID	MON OR TUES
	******		
Systems Work	AS NO	EEDED	
		-	
Special Time Allotment	AS	NEEDED	· ·
Production	24 Hm	JRS/DAY	7 D445/WK
riodddion,			
			~
Debugs	45	_NEED EL	2
		•	
b. Job Scheduling: Describe your job	PRIORIT	I, NO PLOTTIN	G (2) SMIN MT/PLO.
TIME STARING-	PRIORIT	I, NO PLOTTIN	G (2) SMIN MT/PLO.
TIME STHEING- BATCH SCHEP! (D &  (3) 15 MIN TOBS (D)  (D) PLOTTING > 5 MIN  C. Accounting Method:	PRICRIT MIN. NO M SPEATEN TO SPEATEN ZA	IT, NO PLOTTIN 19N IS MIN. S CK GIQUND	G (2) S MIN MT/PLO.
TIME STHEING- BATCH SCHEP! (D &  (3) 15 MIN TOBS (D)  (D) PLOTTING > 5 MIN  C. Accounting Method:	PRICRIT MIN. NO M SPEATEN TO SPEATEN ZA	IT, NO PLOTTIN 19N IS MIN. S CK GIQUND	9 (2) 5 MIN MT/PLO.
TIME STHEP! OF BATCH SCHEP! OF 3, 15 MIN TOBS DO DPLOTTING > 5 MIN	PRICRIT MIN. NO M SPEATEN TO SPEATEN ZA	IT, NO PLOTTIN 19N IS MIN. S CK GIQUND	G (2) S MIN MT/PLO.
C. Accounting Method:  Charges based on:  Milling algorithm:	PRICRIT	IT, NO PLOTTIN 19N IS MIN. I CK GIQUND	G (2) S MIN MT/PLO.
TIME STHEING- BATCH SCHEP! (D & 3: 15 MIN 7035 (D) CO PLOTTING > 5 MIN  C. Accounting Method: Charges based on:	PRICRIT	IT, NO PLOTTIN 19N IS MIN. I CK GIQUND	G (2) S MIN MT/PLO.
C. Accounting Method:  Charges based on:  Milling algorithm:	PRICRIT	IT, NO PLOTTIN 19N IS MIN. I CK GIQUND	G (2) S MIN MT/PLO.
C. Accounting Method:  Charges based on:  Milling algorithm:	PRICRIT	IT, NO PLOTTIN 19N IS MIN. I CK GIQUND	G (2) S MIN MT/PLO.
C. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any s	PRICEIT  MIN. LIC M  FREATEN TO  RUN ZA  A  pecial problems t	HE, NO PLOTEIN  HAN IS MIN. I  THE GREUNIO  that have not been ac	S MIN MT/PCO.
C. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any s	PRICRITA  MIN. LIC M  SREATEN TO  RUN BA  Pecial problems to	HAN IS MIN. I	counted for by the above categories
C. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any s  FUTURE PLANS: Describe any future  a. Hardware: TERMINACS — C	PRICEIT  MIN. LO M  SPEATEN TI  SPEATEN TO  A  Pecial problems to  implementations	to your current con	S D S MIN MT/PCO.
C. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any s  FUTURE PLANS: Describe any future  a. Hardware: TERMINACS — C	PRICEIT  MIN. LIC M  SPEATEN TO  ROW BA  A  pecial problems to  implementations  SWNECT  TE ANS	to your current con	counted for by the above categories

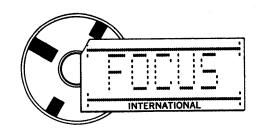


1.	CONT	TRIBUTING ORGANIZATION: NORTHERN ALBERTA INSTITUTE OF TECHNOLOG							
		EDMONTON City		AL	BERTH, C	ANADA			
2.	FOCU	S CONTACT: ELLE	V SHILLAB	EER	SYSTEMS	ANALYST			
3.	DATE	721 081 09 Yr. Mo. Day	4. FOCUS INS	TALLA	TION CODE:	NAIT			
5.	OBJECTIVES OF INSTALLATION: I. MEET COMPUTING NEEDS OF NAIT COMPUTE								
	SYSTEMS PROGRAM PLUS ALL OTHERS TAKING COMPUTING COLIRSES								
	3. SUPPORT DATA PROCESSING IN SOME COLLEGES AND HIGH								
		PPORT DATA PRO 100LS IN ALB		N 50	ME COLLEGE	S AND ALFA			
	_34	MOSTZ ZW WED	EKIA			OFFICE OF USER			
6.		WARE (include vendor sy	mbol on non-CDC	Equip	ment):	AUG 1 5 1972			
		TRAL SITE:				GROUP LIAISON			
	(1)	Mainframe(s)  Model	Ou	antity		Core (K)			
		3170		1		80			
	(2)	Console(s)		(3)	Tape Transport(s)				
		Model	Quantity		Model	Quantity			
		_3301	1		604_	2			
				•					
				-					
	(4)	Disk(s)		(5)	Card Reader(s)				
		Model	Quantity		Model	Quantity			
		854	8	-	405				
		-		_					
				-					
	(6)	Line Printer(s)		(7)	Data Cell(s)				
	,,,,	Model	Quantity	,	Model	Quantity			
		5/2		-					
				-					

		Quantity						
			Andrew Control of the					
(9)	Other Devices							
	221/	Description	Quantity					
		IZCATIONS CONTROLL						
	364-1, 361-5	, 361-1, 201-A DAT	TA SET / GACH					
	A5R-33's							
REN	NOTE SITE(S):							
(1)	Computer(s)							
	•	Model	Quantity					
(2)	Other Remote Devices							
	<b>A</b>	Description	Quantity					
	200 USER	TERMINAL ER (OLLEGE)						
	(RED DEI							
ARD	WARE PROBLEMS							
REC	URRING HARDWARE PROBL	EMS:						
	Device	No. of Occurrences	Nature of Failure					
	CORE	(Or Rate of Occurrences)	THE CARE DARKE EDD					
		ONCE A DAY	IN CORE PARITY ERR					
	HARD WARE	2-4 A NAV	FALL HORNWARE (A)					
	MAKUWAKE	3-1 11 041	EO4- HARDWARE CAUS					
	DISK	5-6 A DAY	RECOVERABLE PARITY					
			A ECOVERNOLL TIME					

FC	CUS -	8 INSTALLATION REPORT Installation Code: NAIT Page 3 of 4							
8.		TARE SYSTEMS  Int Operating System MASTER Latest Update V3.2 PSR No. 235							
	b. Local Modifications (Add additional description if desired, as appendix)  LITILITY PACKAGE								
		AIM IS TO KEEP MASTER AS FREE OF LOCAL MODS AS POSSIBLE (EASIER TO WAGRADE)							
	c. QSS((1) (2) (3)	(Quote Special Software)  INTERACTIVE BASIC - PARIS / FRANCE  BATCH BASIC - CAL STATE  SSP PACKAGE - SIR GEORGE WILLIAMS							
	(4)	CALCOMP PLOT ROUTINES - FOCUS  SACTIVEF - ELECTRONIC ANALYSIS  NASAP							
	d. Com	Updated through PSR Summary or Local Modifications:  ### April 1988   PSR Summary or Local Modifications:  ### April 235    ### CBL							
		PERT/TIME  RESPOND/EXPORT/IMPORT  MCS-TI							
	e. Curre	ent Problems and Comments:							
q	SOFTI	PODR UTILITIES; NEED MORE SUPPORTED APPLICATION  PACKAGES (LINEAR PROGRAMMING); MANUALS BEHIND  SOFTWARE (LISA/ANSI COBOL), COC AS A CORPORATION NOT  WARE PROBLEMS RESPONSIVE ENOUGH TO SOFTWARE PROBLEMS.							
٥.		rring Software Problems:							
	(1)	Operating System: SEQUENCING OF JOBS NOT SATISFACTORY, EO4							
	(2)	ERRORS CAUSED BY 200 LIT DATA SET  (2) Compilers and System Routines: LISA / ANSI COBOL BUGS, POOR ANSI  TAPE LABEL HANDLING, MSSORT CAN'T HANDLE UNIVERSAL  RECORDS, ACCOUNTING RECORDS (*SAT) NOT READABLE BY LICBLE							
	b. In yo	ur opinion, CDC's response to your software request(s) has been:ExcellentVery GoodFairPoor							
	c. Syste Mear Long	time between hardware/software failures 12 days 2 days est time period between hardware/software failures 5 days 5 days							

10.	OPERATIONS								
	a. Schedule:	From	То	Day of Week					
	Preventive Maintenance	Jam	9am	MON/WED/FRI					
			Sam	THE /THUR					
			<del></del>						
	Systems Work	NOT	SCHEDU	, ED					
	Dystems Work		SCHEDO						
		<del></del>							
	Special Time Allotment	_		(TIME PERIODS					
		REQUIRE	D 34	COURSE					
		•							
	Production	USUAL	LY IN	EVENING					
			-						
				/2 = =					
	Debugs	<u>DBR</u> FN	6 <u>DH9</u>	(9am - 5pm)					
	b. Job Scheduling: Describe your job sched		05.00.4						
				POND TO COURSE NEEDS					
	- PRODUCTION GENER			ME IN DAY SHIFT					
		SDENI )	E31 //	ME IN DAY SAIRT					
	c. Accounting Method:								
	Charges based on: NO CHARGING								
	Billing algorithm:								
11.	SPECIAL PROBLEMS: Describe any sp	ecial problems th	at have not ha	on opposed for her short at the second					
		color problems tr	iat nave not be	en accounted for by the above categories:					
12.	FUTURE PLANS: Describe any future implementations to your current configuration:								
	a. Hardware: MORE CORE, LIPGRADE DISKS, POSSIBLY MORE								
	TAPE DRIVES								
	b. Software: MASTER V3.3 , EROS (INTERACTIVE FORTRAN)								
	ACCOUNTING PACK	HEE FOR	STUD	ENT USE ENGINEERING					
12	PACKAGES (STRESS ADDITIONAL COMMENTS: For Add	(000).							
IJ.	additional numbered pages.	iitionai Commen	ts and/or Syste /	m Organization Chart(s), append					
		any d	15547157 1 1	Tred with the CDC.					
	additional numbered pages.  Problems (The custo	214	confiet	unresponsive to					
	problems (the custo.	meis or	Their r	were staffs).					
	•								



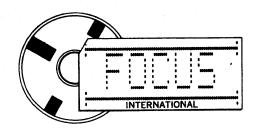
۱.	CONT	RIBUTING ORGANIZA	TION: National C	ente	er for Earthqual	ke Research
	U.S.	Geological Survey	, Menlo Park, Cal	ifor	Installation Name nia 94025	
		City			S	tate
2.	FOCU	IS CONTACT: S. W	. Stewart		Geopl	hysicist Title
3.	DATE	: 72 / 08 / 11 Yr. Mo. Day	Name 4. FOCUS INSTA	ALLA	ATION CODE:	NCER
5.	OBJE	CTIVES OF INSTALLA	TION: Processin	e te	elemetered eart	hquake data in
	real-	-time; analog-to-di	gital conversion	and	processing of	earthquake data.
						Uffice of User
:	HARD	WARE (include vendor :	symbol on non-CDC E	auip	ment):	AUG 28 1972
•		TRAL SITE:	<b>,,,,,,,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•	GROUP LIAISON
	(1)	Mainframe(s)				THE PARTY OF THE P
	•••	Model	Qua	ntity		Core (K)
		1704	2	(inc	.1 on order)	32 + 24
	(2)	Console(s)		(3)	Tape Transport(s)	
	1-7	Model	Quantity		Model	Quantity
		1711	1		608/1732	2
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		1739-1	1 (on order)		1728/430	1 (on order
				(T)	Data Cell(s)	
	(6)	Line Printer(s)	<b>0</b>	(7)	Model	Quantity
		<u>Model</u>	Quantity 1		Model	Country
		1742				

b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_\_ Excellent X\_\_\_Very Good \_\_\_\_\_ Good \_\_\_\_ Fair \_\_\_\_\_Poor

a. Schedule:		From	To	Day of Week
Preventive Main	ntenance	0800	1000	Wednesday
			-	
			-	
Systems Work				
		***		
Special Time Al	lotment			
				-
Production				
		and combination or a second processor	***************************************	
Debugs				
			Annual Control of the	
		****		
110111				
b. <b>Job S</b> cheduling: Desc Not a iob			gn-up for bloo	rks of time
			SIL UP LOL DIO	or crime.
. Accounting Method:				
Charges based or	n: One pi	roject pays a	all costs.	
Billing algorithm	າ:			
SPECIAL PROBLEMS	S: Describe any	special problems	that have not been a	ccounted for by the above categ
			That have not been a	codification by the above categ
***				
***************************************				
UTURE PLANS: D	escribe any futu	re implementation	s to your current co	nfiguration:
				ess tape controller)
				es logic level I/O.

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



CONT	RIBUTING ORGANIZ	ATION: Nort	heast	ern Universit	
	Boston			Mass.	
	City			_	tate
FOCL	is conta <u>ct:</u> R.	I. Carter		Computatio	on Center Director
DATE	: 72/ 8 / 14 Yr. Mo. Day		ISTALLA	ATION CODE: N	IEUC
		miosi Cunn	1 oo	mnuting facil	itios for
OBJE	CTIVES OF INSTALLA aculty research	NON: Supp	r rol	mputing facil	10162 101
I	acuity research	i and compute	1 161	acca coarses.	
					UFFICE OF USE
HARD	WARE (include vendor	symbol on non-CD	C Equip	ment):	AUG 21 19
	TRAL SITE:	,		·	CDOURD 118100M
(1)	Mainframe(s)				GROUP LIAISON
	Model	g	Quantity		Core (K)
	3300		1		81K
(2)	Console(s)		(3)	Tape Transport(s)	
\_,	Model	Quantity		Model	Quantity
	3291	1		604	3
(4)	Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		Model	Quantity
	841-3	1		405	2
				415	1
			(7)	Data Cell(s)	
(6)	Line Printer(s)		17,		
(6)	Line Printer(s)  Model	Quantity		Model	Quantity
(6)		Quantity 2		Model	Quantity

FO CUS	- 8 INSTALLATION REPO	RT Installation Code:	NEUC	Page <u>2</u> of <u>5</u>
6. a. (8)	QSE(s) (Quote Special Equipm	Description		Quantity
(9)	Other Devices  Calcomp 565 plott	<u>Description</u> er with lll controll	er	Quantity 1
b. REM (1)	MOTE SITE(S):  Computer(s)  None	<u>Model</u>		<u>Quantity</u>
(2)	Other Remote Devices None	Description		Quantity
	DWARE PROBLEMS DEVICE 512 405	Ms:  No. of Occurrences (Or Rate of Occurrences)  2 or 3 per month both 512's combined  2 or 3 per month both 405's combined	paper sta d errors, p faults, p incorrect	t compare errors

\_\_\_\_Good

.....Poor

b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_\_Excellent

X Very Good

	CU	IS - 8	INSTALLATION REPORT Installati	on Code: NEUC	Page 3 of 5
<b>}</b> .	SC	FTW.	ARE SYSTEMS		0.5.1
	a.	Curren	t Operating System <u>MASTER</u> Latest U	pdate 3.2	PSR No
	b.	Local	Modifications (Add additional description if desired, Support for 2 card readers,	as appendix) CRT operators c	onsole, Modifi-
			cations to task suspension,	Modification to	job scheduling
			and initialization to give jobs.	preference to s	hort student
	c.		) (Quote Special Software) None		
		(1) (2)	none		
		(3)			
		(4)			
	d.	Comp	iler and Library Routines: ANSI FORTRAN 2.1	Updated through PSR Summ 264	nary or Local Modifications:
			ANSI COBOL 2.1	251	
			MS FORTRAN 3.2	251	
	e.	Curre	nt Problems and Comments: Having trouble getting a	hold of the 3.3	release.
<b>)</b> .	SC	OFTW	ARE PROBLEMS		
	a.	Recur	ring Software Problems:		
		(1)	Operating System:		
		(2)	Compilers and System Routines:		
	b.	In yo	ur opinion, CDC's response to your software request	(s) has been:	
			ExcellentVery Good	Good X Fair	Poor
			Excellent very dood		
	c.	Syste	m Stability:		

. <b>O</b> l	PERATIONS			
a.	Schedule:	From	To	Day of Week
	Preventive Maintenance	7AM	8:30AM	Mon, Tues, Thur, F
		7AM	10AM	Wed.
	Systems Work			Weekends
	Special Time Allotment	10PM	7 A M	Weekdays
	Production	9AM	10PM	Mon, Tues, Thur, F
		10AM	<u> 10PM</u>	Wed.
		9AM	<u> 4 P M</u>	Sat.
	Debugs	<u>same as</u> p	roduction	
b	are Class S. Sys although insuffic peripherals it is	estricted t tem will in ient core i	itiate at s availabl lly class	, 500 lines and 3g Q least 1 class S job e. If a job schedul I unless user specif
c. /	Accounting Method:		•	·
		ttached		
	Billing algorithm: See a	ttached		
	billing algorithm. See a			
SPE	ECIAL PROBLEMS: Describe and	y special problems th	at have not been a	ccounted for by the above categories
FU <sup>*</sup>	ECIAL PROBLEMS: Describe and	re implementations	to your current co	nfiguration:
FU' a. H	ECIAL PROBLEMS: Describe and	re implementations	to your current co	nfiguration:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

additional numbered pages.

#### CHARGING FORMULA

The cost formula in words is - total cost for a job equals:

Cover Charge

plus Main Frame (core and time) charge

plus Background Output charge

plus All scheduled Peripheral charges

The formula as a mathematical statement then becomes:

$$C = \$.25 + K_1 K_2 R (t_{cp} + \frac{1}{2} t_{ch}) + L + P + P L + T_{t=1} r_i$$

where:

C = total cost per job

\$.25 = cover charge per job

$$K_1 = \frac{4t_{cp} + 1800}{5t_{cp} + 1500}$$
 (where  $t_{cp}$  is in seconds)

R = \$150.00/hour (basic rate for CPU Time)

 $t_{cp} = CPU time$ 

 $t_{ch}$  = Channel time

Background Output will be charged as follows:

L = printing charge at \$1.50/thousand lines

P = punching charge at \$3.00/thousand cards

PL = plotting charge at \$15.00 per hour Note: 1½" of pen travel = 1 second

Peripherals when scheduled will be charged using T as total clock time (time off - time on), and the rates  $(r_i)$  as follows:

CC 6 (revised 6/15/71)



CONTRIBUTING ORGANIZATION: National Institutes of Health  Bethesda  City  FOCUS CONTACT: Robert J. Romanoff Name  DATE: 72 / 08 / 09 Yr. Mo. Day  OBJECTIVES OF INSTALLATION: To provide NIH researchers with a ge hybrid computer facility. Major efforts are being directed towa Biomedical signals from patient monitoring and experimental labo  HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model 3100  Quantity Core (K	neral-purpos rd analysis
City  FOCUS CONTACT: Robert J. Romanoff  Name  Name  DATE: 72 / 08 / 09 Yr. Mo. Day  OBJECTIVES OF INSTALLATION: To provide NTH researchers with a ge hybrid computer facility. Major efforts are being directed towa Biomedical signals from patient monitoring and experimental labo  HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  Quantity  Core (K	neral-purpos rd analysis
DATE: 72 / 08 / 09 4. FOCUS INSTALLATION CODE: NIH  OBJECTIVES OF INSTALLATION: To provide NIH researchers with a ge hybrid computer facility. Major efforts are being directed towa Biomedical signals from patient monitoring and experimental laboration and experimental laboration.  HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model Quantity Core (K	neral-purpos rd analysis
DATE: 72 / 08 / 09	neral-purpos rd analysis
HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  Quantity  Quantity  Core (K	rd analysis
HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  Quantity  Quantity  Core (K	rd analysis
Biomedical signals from patient monitoring and experimental labo  HARDWARE (include vendor symbol on non-CDC Equipment):  a. CENTRAL SITE:  (1) Mainframe(s)  Model  2100  Quantity  Core (K	ratories.
a. CENTRAL SITE:  (1) Mainframe(s)  Model  Quantity  Core (K	
a. CENTRAL SITE:  (1) Mainframe(s)  Model  Quantity  Core (K	DIFICE OF USE
(1) Mainframe(s)  Model Quantity Core (K	
Model Quantity Core (K	AUG 14 197
21.00	GROUP LIAMON
1 16	GROUP LIAISON
(2) Console(s) (3) Tape Transport(s)	
Model Quantity Model	Quantity
3100-integrated 1 604	3
(4) Disk(s) (5) Card Reader(s)	
	Quantity
<u>853</u> <u>2</u> <u>405</u>	1
(6) Line Printer(s) (7) Data Cell(s)	
	Quantity
505 1	

\_\_\_\_ Good

\_\_\_\_\_ Fair

Poor

b. In your opinion, CDC's response to your hardware request(s) has been:

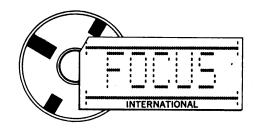
\_\_\_\_\_ Excellent

\_\_\_X\_\_\_Very Good

FC	ocus -	8 INSTALLATION REPORT	Installation Cod	e: NIH	Page 3 of 4
8.	SOFTV	VARE SYSTEMS			
	a. Curre	ent Operating SystemMSOS	Latest Update	3.0 P	SR No.
	b. Local	Modifications (Add additional description) (1) Modification to subroutines to make the reentrant.	some FORTRAN (	2) Modificati nteractive gra	
	c. QSS(s (1) (2) (3) (4)	s) (Quote Special Software)  MIMIC- Analog Simulato TEKPLOT - Graphics pack Hybrid Support Package	age for T4002 Gra	aphics Terminal	
	d. Comp	iler and Library Routines: FORTRAN/MSOS 3.1		through PSR Summar	y or Local Modifications:
	- -				
	e. Currer	nt Problems and Comments:			
9.	SOFTW	ARE PROBLEMS		· .	
	a. Recur	ring Software Problems:			
	(1)	Operating System:			
	(2)	Compilers and System Routines:			
		or opinion, CDC's response to your sof			
		Excellent Very Goo	aGood _	Fair	Poor
		n Stability:			
		time between hardware/software failu		ble	
	Longes	st time period between hardware/softw	vare failures not a	available	

additional numbered pages.

10.	OPERATIONS			
	a. Schedule:	From	αT	Day of Week
	Preventive Maintenance	0600	0800	Tuesday
		0600	0800	Thursday
		0001	_0600	Sunday
		table to the second sec		description of the second seco
	Systems Work			
	Special Time Allotment	-		
		**************************************		
	Production			
	Debugs			
		<u> </u>		
				more than 15 min. duration sheets.
	c. Accounting Method:  Charges based on: None			
	Billing algorithm:			
11.	SPECIAL PROBLEMS: Describe any s			
12.	FUTURE PLANS: Describe any future			
	a. Hardware: <u>possible addition</u>	DI OT 16K		
	b. Software: Install current	version of	MSOS, if a	dditional core is purchased
13.	ADDITIONAL COMMENTS: For Ac	dditional Comm	ents and/or Syster	n Organization Chart(s), append



1.	CONT	TRIBUTING ORGANIZAT	ION: Nava	l Air Sy	stems Command, 1	Navy Department
	Wa	ashington		. Т	Installation Nam. C. 20360	8
		City				State
2.	FOC	US CONTACT: Rudi F.			Branch I	
3.	DATE	72 / 8 - / 10 Yr. Mo. Day	Name 4. FOCUS	INSTALL	ATION CODE:	Title NLSC
5.	OBJE	CTIVES OF INSTALLATION	ON: Engi	neering/	Scientific Compu	uting, Aircraft
		sign, Analysis, and E		Operation	ns Research (Sir	mulation)
				·	· · · · · · · · · · · · · · · · · · ·	
						OFFICE OF USER
			····			AUG 28 1972
6.	HARE	DWARE (include vendor sy	mbol on non-	CDC Fauir	ment):	
	a. CEN	ITRAL SITE: Remote tem	minal to 6	700 at Na	aval Ship Resear	ch and Development
	(1)	Mainframe(s)		•		
		Model		Quantity		Core (K)
		6700		1	1 31	1,072 <sub>10</sub>
						-)~1~10
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
		Display 6612	1		657-3	6
					659-3	2
				<del></del>		
		· ·				
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		6638	1		405	2
		841-7	1			
		841-8	2			
	(6)	Line Printer(s)		(7)	Data Celi(s)	
		Model	Quantity		Model	Quantity
		512-1	4			
			· · · · · · · · · · · · · · · · · · ·		**************************************	

Good response time, but a lack of experience in locating troubles

b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_Very Good

\_\_\_\_ Excellent

\_\_X Good

\_\_\_\_Fair

	cus -	8 INSTALLATION REPORT	Installation Code:	NLSC	Page 3	_of	5
3. \$	SOFTV	VARE SYSTEMS					
ā	a. Curre	ent Operating System MSOS 2.1	Latest Update	P:	SR No.		
ı	b. Loca	Modifications (Add additional descript Pseudo-tape					
		CalComp Plotter					
	000/	- 10 · 10 · 10 · 10 · 10 · 10 · 10 · 10					
C	(1) (2)	s) (Quote Special Software)			<del></del>		<del>- 1</del>
	(3) (4)						
d	l. Comp	iler and Library Routines : FORTRAN 2.0A		ugh PSR Summary	or Local Mod	ificatio	ons:
e.	. Curre	nt Problems and Comments: Currently waiting for M	SOS 4.0 and FORTRAI	<b>v</b> 3.0			
S	OFTW	ARE PROBLEMS					
a.	Recur	ring Software Problems:					
	(1)	Operating System: Irrelevant	JO1 errors (May be	hardware ra	ther than	soft	wa.
	(2)	Compilers and System Routines:					
b.		r opinion, CDC's response to your softw					
	-	Excellent X Very Good	Good	Fair	Poor		
C.	•	n Stability:	0 -				
	Mean t	ime between hardware/software failure	<del></del>	urs n 8 hours		·	<del></del>

Preventive Maintenance 3:00 6:00 Wednesday  Systems Work 7:00 8:00 As needed  Special Time Allotment  Production 7:00 4:00 Monday-Friday  Debugs 7:00 4:00 Monday-Friday  b. Job Scheduling: Describe your job scheduling algorithm First-in, first-out  C. Accounting Method: Charges based on: Clock-time for record purposes only Billing algorithm: None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration: a. Hardware: Digigraphics b. Software: MSOS 4.0	a. Schedule:	From	To	Day of Week
Special Time Allotment  Production 7:00 4:00 Monday-Friday  Debugs 7:00 4:00 Monday-Friday  b. Job Scheduling: Describe your job scheduling algorithm First-in, first-out  c. Accounting Method: Charges based on: Clock-time for record purposes only Billing algorithm: None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration: a. Hardware: Digigraphics		200		
Special Time Allotment  Production 7:00 4:00 Monday-Friday  Debugs 7:00 4:00 Monday-Friday  b. Job Scheduling: Describe your job scheduling algorithm First-in, first-out  c. Accounting Method: Charges based on: Billing algorithm: None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration: a. Hardware: Digigraphics	0	7:00	8:00	As needed
Production  7:00 4:00 Monday-Friday  Debugs  7:00 4:00 Monday-Friday  b. Job Scheduling: Describe your job scheduling algorithm First-in, first-out  Charges based on: Billing algorithm: None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration:  a. Hardware:  Digigraphics	Systems Work			
Debugs  7:00 4:00 Monday-Friday  b. Job Scheduling: Describe your job scheduling algorithm First-in, first-out  c. Accounting Method: Charges based on: Billing algorithm: None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration: a. Hardware: Digigraphics	Special Time Allotmen	t		
b. Job Scheduling: Describe your job scheduling algorithm First-in, first-out  c. Accounting Method: Charges based on: Billing algorithm: None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration: a. Hardware: Digigraphics	Production	7:00	4:00	Monday-Friday
c. Accounting Method:  Charges based on:  Clock-time for record purposes only  Billing algorithm:  None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration:  a. Hardware:  Digigraphics	Debugs	7:00	4:00	Monday-Friday
c. Accounting Method:  Charges based on:  Clock-time for record purposes only  Billing algorithm:  None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration:  a. Hardware:  Digigraphics				
Charges based on: Clock-time for record purposes only Billing algorithm: None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration:  a. Hardware: Digigraphics				
Charges based on: Clock-time for record purposes only Billing algorithm: None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration:  a. Hardware: Digigraphics	b. Job Scheduling: Describe your First-in, fi	our job scheduling algorith		
Billing algorithm: None  SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego  FUTURE PLANS: Describe any future implementations to your current configuration:  a. Hardware: Digigraphics	b. Job Scheduling: Describe yo First-in, fi	our job scheduling algorith rst-out		
SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above catego	First-in, fi	rst-out		
a. Hardware:Digigraphics	c. Accounting Method: Charges based on: C	rst-out		
a. Hardware:Digigraphics	c. Accounting Method: Charges based on: Billing algorithm: N	rst-out  lock-time for recome	ord purposes	only
	c. Accounting Method: Charges based on: Billing algorithm: N	rst-out  lock-time for recome	ord purposes	only
h Cotamina Marca II O	c. Accounting Method: Charges based on: Billing algorithm: N SPECIAL PROBLEMS: De	rst-out lock-time for rec lone escribe any special problem	ord purposes	only en accounted for by the above catego
	c. Accounting Method: Charges based on: Billing algorithm: N SPECIAL PROBLEMS: De	rst-out  Lock-time for recommendate any future implementations.	ord purposes	only en accounted for by the above catego

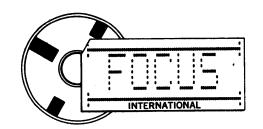
13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

FOCUS - 8 INSTALLATION REPORT Installation Code: NLSC Page 5 of 5

### \* 6. a. (9) Other Devices

	<u>Bescription</u>	Quantity
6676	Data Set Controller	1
6671	Data Set Controller	1
	Digigraphics	2
1700	Batch Terminals	4
200	User Terminals	7
ASR-33	Teletypewriter	32

All further responses refer only to the CDC 1700 at Naval Air Systems Command



JE	City  JS CONTACT: A = = = = = = = = = = = = = = = = = =	Name 4. FOCUS IN		Courter 360	<u>≥C.</u> .
JE	Yr. Mo. Day	4. FOCUS IN			$n/\alpha A \Delta$
JE	11. 11.0. 207		<b>USTALLA</b>	TION CODE:	NORT
	CTIVES OF INSTALLAT				mming support (comput
26,	rvices for Govern	ment recently	Dabar	stories	3 11 11
					OFFICE OF USER
	DWARE (include vendor s	ymbol on non-CD	JC Equip	ment):	AUG 17 1972
(1)	ITRAL SITE:  Mainframe(s)				· · · · · · · · · · · · · · · · · · ·
11/	Model		Quantity		GROUP LIAISON
	3800		2		3 x PAK
	160		1		
	OPP ZdX				64K
(2)	Console(s)		(3)	Tape Transport(s)	
	Model	Quantity		Model	Quantity
	3291/211	2		607	13
				659-2	
(4)	Disk(s) / Drums	O	(5)	Card Reader(s)	Quantity
	Model	Quantity		Model	2_
	854 disks	7		405	
	861 dams				
	Line Printer(s)		(7)	Data Cell(s)	
(6)			•••		
(6)	Model	Quantity		Model	Quantity

(8)	QSE(s) (Quote Special Ed	quipment)	
		Description	Quantity
(9)	Other Devices		
		Description	Quantity
	1: Parsin 085		
	3682 /3681	and 160 to drive 11200	
REM	IOTE SITE(S):		
(1)	Computer(s)		
		Model	Quantity
(2)	Other Remote Devices		
		Description	Quantity
	4200		
	WARE PROBLEMS		
REC	JRRING HARDWARE PRO Device	BLEMS: No. of Occurrences	Alexand Follow
	Affirmation managements.	(Or Rate of Occurrences)	Nature of Failure
	659	Unusable at loosepi	Design problem in control
	861	Several por week	mod stab bod rougher
		homes to most	drum tood som
	<u>607</u>	Lots	hard to keep in adjustment
			must use customer tests to

Installation Code:

FOCUS - 8 INSTALLATION REPORT

Page 3 of

\_\_\_\_ Good

Mean time between hardware/software failures 24 hours on software — 8 hours on hordware

Longest time period between hardware/software failures 2 weeks on software — 1 week on hardware

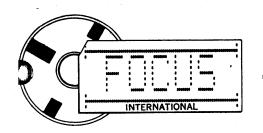
\_\_\_\_\_ Excellent \_\_\_\_\_ Very Good

c. System Stability:

\_\_\_\_\_\_\_\_Fair

additional numbered pages.

	a. Schedule:	From	То	Day of Week
	Preventive Maintenance	<u> 5am</u>	Sam	M-F
		-		
	Systems Work	A. New	led - aver	rose of about 6 Hrs pa
	·.	week	- about	4 hours of this on
		weeke	-d <u>s</u> .	
	Special Time Allotment		-	
	Production			h.) =
		10am	5 pm	M-F Sat
			<del></del>	
	Debugs			
			A	,
	use but gots	good turnes	nd (1/2 po	w) - law priority is
	avoridan (to			(2 weeks). Carbo
	c. Accounting Method:		-7 -01-10	
,	Charges based on: Primit	used ad a	man dir. 4:	1 <b>.</b>
	Billing algorithm:	7 036- 200	Xeening (	· Me
11.	SPECIAL PROBLEMS: Describe an	y special problems tl	hat have not been	accounted for by the above categories:
12.	FUTURE PLANS: Describe any futo	usa implamantatione	••••••	
		tes com um		
			es, etc.)	SIMPLEX FILE
	o. Software: Maintenance and	orles redoid i	when Hilist	- some development
Ł	Plaintenance and	, -	2 1 21	
ŧ	for additional	remotes (use	11 ~	3



1.	CONT	RIBUTING ORGANIZA	ATION: U.S.	Nava1	Research Labo	oratory
		Washington		Ι	). C. 20390	
2.	FOCL	US CONTACT: Mrs.	Doris E. (	Gossett	Sta Code 7812	
3.	DATE	: 72 / 8 / 15	Name 4. FOCUS	INSTALLA	TION CODE:	Title NRL
5.	OBJE(	Yr. Mo. Day CTIVES OF INSTALLA scientists of	TION: Provid	le a cer	ntral computer	r facility for
						UFFICE OF USER
				~		AUG 3 1 1972
6.		WARE (include vendor	symbol on non-0	CDC Equip	ment):	GROUP LIAISON
	(1)	Mainframe(s)				
		Model		Quantity 2		Core (K) 65 Each
		3800		2		4 Each
		1604		1		32
		1004				
	(2)	Console(s)		(3)	Tape Transport(s)	
		<u>Model</u> 3801	Quantity 2		$\frac{\text{Model}}{606}$	$\frac{Quantity}{11}$
		161	2		607R	4
					607P	4
	(4)	Disk(s)		(5)	609 603 Card Reader(s)	1 2
	,,,	Model 813	Quantity 1		Model 405	$\frac{Quantity}{3}$
					3142	1
					1617	1
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		Model 501	Quantity 3		Model	Quantity

FOCUS -	- 8 INSTA	ALLATION REPO	ORT Insta	ıllation Code:	NRL	Page 2 of 4
6. a. (8)	QSE(s) (C	Quote Special Equip				
			Description			Quantity
(9)	Other Devi			Dogovina	• •	
	863	Quantity 7	**************************************	Descript		Quantity
	861	3		3293 (565)		2
	$\frac{301}{211}$	1 6		165 (565) 563		3
	415	2.		3691		1
	OTE SITE(S	- :)·		3031		1
(1)	Computer(s	•				
		160	Model			Quantity 1
(2)	Other Remo	ote Devices  200 Termina	Description	ler,Reader	r,Printer)	Quantity 1
		DBLEMS RDWARE PROBLE <u>Device</u> 3(4:1 inter	No. of C	lccurrences f Occurrences) aγ	When cha one word read, so	ure of Failure  ining together a  and 255 word  metimes the first  the 255 words is hout indicating

Device No. of Occurrences (Or Rate of Occurrences)

861/863(4:1 interlace) 2/day When chaining togethe one word and 255 word read, sometimes the fleyte of the 255 word lost without indicatiand dreem parity error.

b. In your opinion, CDC's response to your hardware request(s) has been:

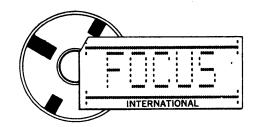
Excellent Very Good X Good Fair Poor

FC	CUS - 8	8 INSTALLATION REPORT Installation Code: NRL Page 3 of 4
8.	SOFTW a. Curren	ARE SYSTEMS  ont Operating System DRUM/DISK_SCOPER 2.1  PSR No. 49
	b. Local	Modifications (Add additional description if desired, as appendix) 609 Magnetic Tape Driver
		One driver to drive both the
		3691 and the 3293
	(1) (2)	Ouote Special Software) 813 disk package  Background plot routine to run multiple plotters  Background paper tape output program
	(3) (4)	
	d. Comp	iler and Library Routines: Updated through PSR Summary or Local Modifications: FORTRAN 5.5
		COMPASS 5.4
		COBOL 4.2
		ORALGOL 1.6
		NELIAC 1.1
		JOVIAL J4
		SORT II 2.4
	e. Curre	nt Problems and Comments:
9.	SOFTW	/ARE PROBLEMS
		ring Software Problems:
	(1)	Operating System: No major problems
	(2)	Compilers and System Routines: No major problems
	b. In yo	ur opinion, CDC's response to your software request(s) has been:
		ExcellentVery Good FairPoor
	c. System	m Stability:
	Mean	time between hardware/software failures 8 hours
	Longe	est time period between hardware software failures 96 hours

	OCUS - 8 INSTALLATION REPORT		n Code:	NRL	Page 4 of <sup>4</sup>
0.	OPERATIONS				
	a. Schedule:	From	То		Day of Week
	Preventive Maintenance	0600	0800	Monday	-Saturday
	Systems Work	Unschedu basis u		rfo <del>rmed</del> c	n a "need to"
			•		
	Special Time Allotment				
			-		
	D. J. et	0800	2400	Monday	-Friday
	Production				
	Debugs	0800	1700		-Friday
		1000	1800	Saturd	ay
		-			
	b. Job Scheduling: Describe your job sched  Job scheduling is		n of ich	run time	versus amount
	of job line printe				requirement fo
	CPU and output the	_			
	c. Accounting Method:		1		
	Charges based on: CPU time				
	Charges based on: CPU time				es out, plottin  0 + lines out/5
_	Charges based on: CPU time  Billing algorithm: x (CPU Ti  cards out/100 + plo	nts and p me/14.4 s t increme	riority. ec. + ca nts/9000	rds in/50 + paper	0 + lines out/5
	Charges based on:  CPU time  Billing algorithm: x (CPU TI  cards out/100 + plo  SPECIAL PROBLEMS: Describe any sp  6000) where x range	nts and p me/14.4 s t increme coll problems to s from ap	riority. ec. + ca nts/9000 ather note proximat	rds in/50 + paper ensessanted for ely \$.40	0 + lines out/5 tape characters by the above categories to \$1.00 for ru
	Charges based on: CPU time	nts and p me/14.4 s t increme coll problems to s from ap	riority. ec. + ca nts/9000 ather note proximat	rds in/50 + paper ensessanted for ely \$.40	0 + lines out/5 tape characters to \$1.00 for ru
-	Charges based on:  CPU time  Billing algorithm: x (CPU TI  cards out/100 + plo  SPECIAL PROBLEMS: Describe any sp  6000) where x range	nts and p me/14.4 S t increme ccial problems to s from ap h 7. Eac	riority. ec. + ca nts/9000 ethor not be proximat h fracti	rds in/50 + paper ensounted for ely \$.40 on above	0 + lines out/5 tape characters to \$1.00 for ru is rounded up
	Charges based on: CPU time  Billing algorithm: x(CPU Ti cards out/100 + plo SPECIAL PROBLEMS: Describe any sp 6000) where x range priorities 0 throug	nts and pme/14.4 s t increme ccial problems to s from ap h 7. Eac e number	riority. ec. + ca nts/9000 ather not be proximat h fracti before t	rds in/50 + paper ely \$.40 on above he additi	0 + lines out/5 tape characters to \$1.00 for ru is rounded up

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

b. Software:



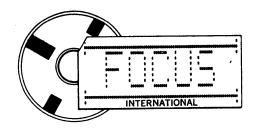
CONT	RIBUTING ORGANIZA	ATION: NORGE	S STAT		
	OSLO City			Installation Name NORWA	Y late
FOC	JS CONTA <u>CT:Kåre</u>	Marthinsen			ons.
DATE	:: 72/09 /05 Yr. Mo. Day	Name 4. FOCUS IN	NSTALL#	ATION CODE: N	Title SB
	Yr. Mo. Day CTIVES OF INSTALLA	TION: To inan	assa t	he computing	canasity and
get	a system which	we could exp	and to	meet the ful	ture needs.
					UTTICE OF USER
HARE	DWARE (include vendor	symbol on non-CD	C Equip	ment):	SEP 1 1 1972
a. CEN	ITRAL SITE:				
(1)	Mainframe(s)				GROUP LIAISON
	Model		Quantity		Core (K)
	AC 105		1		32
		<del></del>			
(2)	Console(s)	•	(3)	Tape Transport(s)	Overstitu
	Model	Quantity		Model	Quantity
	3301A05	1		608	4
				0.10.44	
(4)	Disk(s)	Oversity	(5)	Card Reader(s)	Quantity
	Model 0.5.h	Quantity 4		<u>Model</u> 405	Quantity
	854	4		405	
(6)	Line Printer(s)		(7)	Data Cell(s)	
	<u>Model</u>	Quantity		<u>Model</u>	Quantity
	512				
	The second secon				

DCUS - 8 INSTALLATION REPORT	Installation Code	: <u>NSB</u> Page 2 of 4
. a. (8) QSE(s) (Quote Special Equipment)	-	
• • • • • • • • • • • • • • • • • • • •	escription	Quantity
		<u>country</u>
(9) Other Devices	•	
De	escription	Quantity
b. REMOTE SITE(S):		
(1) Computer(s)		
<u> 1</u>	Model	Quantity
(0)		
(2) Other Remote Devices De	scription	Quantity
		Quantity
HARDWARE PROBLEMS		
a. RECURRING HARDWARE PROBLEMS:  Device	No. of Occurrence	News of 5 11
	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
405 Card Reader	7	Slipped card
512 Line Printer	1	Missed column
		Does not stop by end-of-
3312 BDP	Several	Different errors
3302 Memory	6	Parity errors.

a. Curi	WARE SYSTEMS rent Operating System <u>MSOS 4, 2</u> Latest \( \)	Jpdate ±254	PSR No.
	al Modifications (Add additional description if desired,		
b. Loc	Postbox		
	Changed autoload-routine		
	Expanded accounting-rec.		
- 000	S(s) (Quote Special Software)		
(1)	Sty (Quote Special Surtware)		
(2)			
(3)			
(4)			
	. The second of	Undeed should BCD	Summary or Local Modifications:
d. Cor	mpiler and Library Routines :  UCBL	· · · · · · · · · · · · · · · · · · ·	summary or Local islocifications.
	MS-FTN and COMPASS		
	Error recovery		
	The rest is mainly at level		
	. 0. 11 10		
e. Cu	rrent Problems and Comments:		
e. Cu	rrent Problems and Comments:  MS-Sort gets "OUT OF SEQUENC	E" when trying	g to utilize ennan
e. Cu	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL (	E" when trying which we get	g to utilize ennan around).
	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL (	E" when trying which we get	g to utilize ennan around).
SOF	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL ( TWARE PROBLEMS	E" when trying which we get	g to utilize ennan
SOF	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL ( TWARE PROBLEMS curring Software Problems:	which we get	around).
SOF	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL ( TWARE PROBLEMS curring Software Problems:	which we get	around).
SOF <sup>-</sup> a. Re (1)	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL ( TWARE PROBLEMS curring Software Problems: Operating System: Error recovery ve	which we get	consistent
SOF	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL ( TWARE PROBLEMS curring Software Problems: Operating System: Error recovery ve	which we get	consistent
SOF <sup>-</sup> a. Re (1)	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL ( TWARE PROBLEMS curring Software Problems: Operating System: Error recovery ve	which we get	consistent
SOF <sup>-</sup> a. Re (1)	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL ( TWARE PROBLEMS curring Software Problems: Operating System: Error recovery ve	which we get	consistent
SOF <sup>-</sup> a. Re (1)	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL ( TWARE PROBLEMS curring Software Problems: Operating System: Error recovery ve  Compilers and System Routines: We have ha	which we get and income to the wear which we get and income to the which we get and income the which we get and income the wear and income the wea	consistent in UCBL/UCBL-SORT
SOF <sup>7</sup> a. Re (1) (2) b. In	MS-Sort gets "OUT OF SEQUENCE BDP. Minor problems in UCBL ( TWARE PROBLEMS curring Software Problems: Operating System: Error recovery ve Compilers and System Routines: We have ha	which we get and income to the wear which we get and income the which we get and income the which we get and income the wear and income the which we get and income the wear and income th	consistent in UCBL/UCBL-SORT

OPERATIONS .			
Schedule:	From	То	Day of Week
Preventive Maintenance		9	4 days
	_7		1 day
Systems Work	1 hour		Mo-Fri
		-	
Special Time Allotment	<del></del>		
Special Fillie Anotherit			
			W- T
Production	_9 (11)	24	Mo-Fri
Debugs			
	-		
Job Scheduling: Describe your job :	scheduling algorithm	am tests i	mixed by the job-schedul
. Job Scheduling: Describe your job : Planned production	scheduling algorithm  on and progra	am tests i	mixed by the job-schedul
Job Scheduling: Describe your job planned production	scheduling algorithm  on and progra	am tests i	mixed by the job-schedul
Job Scheduling: Describe your job	scheduling algorithm  on and progra	am tests i	mixed by the job-schedul
Planned production	scheduling algorithm  On and progra	am tests i	mixed by the job-schedul
Planned production	on and progra		
Planned production	on and progra		mixed by the job-schedul
Planned production  Accounting Method:  Charges based on: No charges bac	on and progra		
Planned production  Accounting Method:  Charges based on: No charges bar	on and progra	at have not been	
Planned production  Accounting Method:  Charges based on: No charges bar	arging any special problems the	at have not been Lems (ILL	accounted for by the above categories:
Planned production  Accounting Method:  Charges based on: No charges bar	arging any special problems the ardware problems aused CDC to	at have not been Lems (ILL exchange	accounted for by the above categories: . INSTR., ILL.WRITE etc.
Planned production  Accounting Method:  Charges based on: No char Billing algorithm:  PECIAL PROBLEMS: Describe a  Generally many ha  These problems ca  frame, Memory mode	arging any special problems the ardware problems aused CDC to dules and dark	at have not been Lems (ILL exchange tachannel	accounted for by the above categories: . INSTR., ILL.WRITE etc. our BDP-unit, Main-
Charges based on: No charges balling algorithm:  PECIAL PROBLEMS: Describe any function of the problems of the proble	arging any special problems the ardware problems and dataset continues and dataset ture implementations	at have not been lems (ILL exchange tachannel	accounted for by the above categories: . INSTR., ILL.WRITE etc. our BDP-unit, Main- s.
Planned production  Accounting Method:  Charges based on: No charges and all and 32K of the second of the s	arging  ary special problems the ardware problems and data and data at the implementations of core will	at have not been lems (ILL exchange tachannel	accounted for by the above categories: . INSTR., ILL.WRITE etc. our BDP-unit, Main-

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



1.	CONT	RIBUTING ORGANIZA	ATION: Northro	op Serv	rices, Inc.	
	GSFC	Code 320.1, Greent	pelt	<u>MD</u>	20771	ate
_					EDP Manage	
2.	FOCU	S CONTACT: C. A.	Name		EDE Panage	Title
3.	DATE	: <u>72 / 08 /17</u> Yr. Mo. Day	4. FOCUS IN	ISTALLA	TION CODE: N	ISI
5.						ng, operation, and
						nd analysis system.
	This	system is the foca	al point for the	e real-	time collection	n, analysis, and dis
	play	of hardline and te	elemetry data f	rom spa	cecraft and fa	cilities during
	envir	conmental testing.				
_	11400		aumbal on non CD	C Equip	ment):	
6.		WARE (include vendor	Symbol on hon-co	C Equip	ment,	
		TRAL SITE:				
	(1)	Mainframe(s)	,	Quantity		Core (K)
		<u>Model</u> 3100	2	1		32K
				<del></del> 1		65K
		3300 160A		1		32K
		10011				
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
		- Annual Control of the Control of t			604	8
				-		
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		<u>Model</u>	Quantity
		853	2		405	3
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		Model	Quantity		Model	Quantity
		512	1			and the state of t
		505	1			
		3254	1			

a. (8)	QSE(s) (Quote Special Equi	pment) Description	Quantity
(9)	Other Devices		
		Description	Quantity
	CALCOMP Plotter, 3		1
	EAI Plotter, 3500		1
b. REM	MOTE SITE(S):		
(1)	Computer(s)		
		Model	Quantity
(2)	Other Remote Devices		
	anmi 011	Description	Quantity
	CRT's, 211		4
	Typewriter, 218		1
	WARE PROBLEMS URRING HARDWARE PROBL	.EMS:	
	Device	No. of Occurrences	Nature of Failure
	3100	Or Rate of Occurrences)  2 OR 3/WK FOR  3 MO FIXED	INTERNAL PARITY TYPE LOAD LIGHT ON
	512	CONTINUOUS	PAPER STACKING
	512	2 OR 3/WK - FIXED	PAPER OUT SWITCHES
		2/WK	SLIPPING CDS ON POWER UP W
	405		FCO PB 1737B
	505	CONTINUOUS	PHASING
	505	CONTINUOUS	INTENSITY ON INDIVIDUAL COI

#### (CONTINUED)

#### 7. HARDWARE PROBLEMS

<u>Device</u>	No. of Occurrences	Nature of Failure
505	1 OR 2/MO	DROP COLUMNS
3254	CONTINUOUS	TOO NOISY
3254	2/WK FOR 2 MO - FIXED	PAPER OUT SWITCHES
3192	CONTINUOUS 3 MO	PLATEN SLIPS LATERALLY
3192	2:or 3/WK	CARRIAGE RETURN
211	1/MO	OR PULL LOOSE
211	INTERMITTENT	HIGH WOLTAGE POWER SUPPLY PROBLEMS

FC	CUS -	8 INSTALLATION REPORT	Installation Code:	NSI Page 3 of
8.		WARE SYSTEMS rent Operating System RTS 2.0	Latest Update	PSR No. *
		-		
	b. Loc	al Modifications (Add additional descript <u>Numerous additions to fit</u>	ion if desired, as appendix) local requirements	- disk drives, CRT drives
		compiler modifications, e		
	c. QSS (1) (2) (3)	(s) (Quote Special Software)		
	(4)			
	d. Com	npiler and Library Routines: COMPASS		gh PSR Summary or Local Modifications:
		FORTRAN		
		COBOL	_	
		RG		
	e. Curr	rent Problems and Comments:  *We implement only those particular installation	PSR's which are dir	
•	COET	WARE BRODLEMS		
<b>J</b> .		WARE PROBLEMS urring Software Problems:		
	(1)	Operating System:		
	(2)	Compilers and System Routines: <u>CO</u>	BOL	
	b. In y	our opinion, CDC's response to your soft	ware request(s) has been:	
	c Suc+	em Stability:		
		em Stability: n time between hardware/software failur	oe.	
		gest time period between hardware/softw		
	-0.1	and the policy between name and the		

10.	OPERATION	S			
	a. Schedule:		From	То	Day of Week
	Preven	tive Maintenance	6 A.M.	8 A.M.	Tues through Fri.
	System	s Work	As requir	ed	
	Special	Time Allotment			
	Produc	ition		me if in sup	pport of a test; otherwise, priority.
	Debug	s		st <u>atus unl</u> es	ss a priority production run
		ing: Describe your job sch		100	
					peration
			lopment jobs		
				tion jobs	
11.	Billing	s based on:algorithm:			n accounted for by the above categories:
12.					configuration: wo 854's to the 3100 for
		MSOS			
	b. Software:	Switching to MSO	S on the 310	)U	
13.	ADDITIONA	L COMMENTS: For	Additional Comm	ents and/or Syster	n Organization Chart(s), append

additional numbered pages.



CON	TRIBUTING ORGANIZ	ATION: The	Nether.	lands Ship Mo	del Basin
	Wageningen, P.(			Installation Name The Netherl	9
	City				State
FOC	US CONTACT: W.Ve	erschuur Name		Ir	
DATE	72/ 09 / 01 Yr. Mo. Day		INSTALL	ATION CODE:	Title N.S.M.B.
	CTIVES OF INSTALLA	ATION:			
Com	puting aid for	research-a	nd desi	ignpurposes i	n connection
wit_	h naval archite	ecture			and the state of the
					OFFICE OF USER
	DWARE (include vendor	symbol on non-(	CDC Equip	oment):	S€P 1 1 1972
	ITRAL SITE:				GROUP LIAISON
(1)	Mainframe(s)		_		
	Model		Quantity		Core (K)
	3304		<u> </u>		32
(2)	Console(s)  Model  3301	Quantity 1	(3)	Tape Transport(s)  Model 608	Quantity 2
(4)	Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		<u>Model</u>	Quantity
	<u>Model</u> 853	Quantity 2		<u>Model</u> 405	Quantity 1
(6)			(7)		Quantity 1
(6)	<u>853</u>		(7)	405	Quantity  Quantity
(6)	853 Line Printer(s)	2	(7)	405 Data Cell(s)	1

a. (8) QSE(s) (Quote Special Equipment)  Description Philips—Ampex—recorder,MT, connected as an alternate to tape—reader controller  (9) Other Devices  Description Paper tape equipment, model 3691 Incremental plotter, Calcomp,model 3293  b. REMOTE SITE(S): (1) Computer(s)  Model CDC—1700  Model CDC—1700  Ouantit  Description Quantit  Ouantit  Ouantit	
Description Quantity Philips-Ampex-recorder, MT, connected as an alternate to tape-reader controller  (9) Other Devices  Description Quantity Paper tape equipment, model 3691 1 Incremental plotter, Calcomp, model 3293 1  b. REMOTE SITE(S): (1) Computer(s)  Model Quantity CDC-1700 1  (2) Other Remote Devices  Description Quantity Outhority  Amount of Pailure Model Quantity Outhority  No. of Occurrences Nature of Failure	
Philips-Ampex-recorder, MT, connected as an alternate to tape-reader controller  (9) Other Devices  Description Quantity Paper tape equipment, model 3691 1 Incremental plotter, Calcomp, model 3293 1  b. REMOTE SITE(S): (1) Computer(s)  Model Quantity CDC-1700 1  (2) Other Remote Devices  Description Quantity  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS: Device No. of Occurrences Nature of Failure	
(9) Other Devices    Description   Quantity	<u>y</u> _
(9) Other Devices  Description Quantity Paper tape equipment, model 3691 Incremental plotter, Calcomp, model 3293 1  b. REMOTE SITE(S): (1) Computer(s)  Model CDC-1700  Ouantity CDC-1700  Description Quantity  HARDWARE PROBLEMS a. RECURRING HARDWARE PROBLEMS: Device No. of Occurrences Nature of Failure	
Description  Paper tape equipment, model 3691  Incremental plotter, Calcomp, model 3293  Description  Model  CDC-1700  Description  Ouantit  CDC-1700  Description  Description  Ouantit  Ouantit  Ouantit  Ouantit  Description  Ouantit  No. of Occurrences  Nature of Failure	
Description Quantity Paper tape equipment, model 3691 Incremental plotter, Calcomp, model 3293  b. REMOTE SITE(S): (1) Computer(s)  Model CDC-1700  Ouantity CDC-1700  Description Quantity Quantity Quantity Quantity Quantity Quantity No. of Occurrences Nature of Failure	
Paper tape equipment, model 3691 Incremental plotter, Calcomp, model 3293  b. REMOTE SITE(S): (1) Computer(s)  Model CDC-1700  Ouantit CDC-1700  Description  Quantit  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS: Device No. of Occurrences  Nature of Failure	ty
Incremental plotter, Calcomp, model 3293  b. REMOTE SITE(S): (1) Computer(s)  Model  CDC-1700  Description  Quantit  Description  Quantit  ARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device  No. of Occurrences  Nature of Failure	<del></del> .
b. REMOTE SITE(S):  (1) Computer(s)  Model  CDC=1700  1  (2) Other Remote Devices  Description  Quantit  ARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device  No. of Occurrences  Nature of Failure	
(1) Computer(s)  Model  CDC-1700  1  (2) Other Remote Devices  Description  Quantit  Quantit  Quantit  ARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device  No. of Occurrences  Nature of Failure	
CDC-1700  1  (2) Other Remote Devices  Description  Quantit  Quantit  Quantit  ARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device  No. of Occurrences  Nature of Failure	
CDC-1700  CDC-1700  Quantit  CDC-1700  Quantit  Description  Quantit  Quantit  ARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device  No. of Occurrences  Nature of Failure	
(2) Other Remote Devices  Description Quanti  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences Nature of Failure	ty
(2) Other Remote Devices  Description Quanti  HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences Nature of Failure	
HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences Nature of Failure	
HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences Nature of Failure	-
HARDWARE PROBLEMS  a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences Nature of Failure	
a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences Nature of Failure	ty
a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences Nature of Failure	
a. RECURRING HARDWARE PROBLEMS:  Device No. of Occurrences Nature of Failure	
Device No. of Occurrences Nature of Failure	
	9

CUS -	8 INSTALLATIO	ON REPORT	Installation Code:	NSMB	Pag	e o or
	VARE SYSTEMS ent Operating System	MSOS 4.2	Latest Update 22	jun 72	PSR No	254
b. Local	l Modifications (Add a	additional description	on if desired, as appendix	:)		
c. QSS(	s) (Quote Special So					Maria - 100
(2)					- <del> </del>	1.
(3) (4)						
d. Com	piler and Library Rou			nrough PSR Sun .nd Local		
	Algol			nd nocar	MOUTITE	Sacrons
	Оощразь					
						· · · · · · · · · · · · · · · · · · ·
e. Curre	ent Problems and Com	nments:				
			The second secon	<del></del>		
	VARE PROBLEMS					
a. Recu (1)	rring Software Proble Operating System:					
, ,			-			
(2)	Compilers and Syste	m Routines:				
b. In yo	our opinion, CDC's res	sponse to your soft	ware request(s) has been:			
	Excellent	Very Good	<u>X</u> Good _	Fair	Poor	
c. Syste	em Stability:					
7 - 60	· · · · · · · · · · · · · · · · · · ·					

NSMB

OPE	171110110			
a. Sch	nedule:	From	To	Day of Week MO thru fri
	Preventive Maintenance	08.30	09.30	MO thru fri
	Systems Work			incidently
	Special Time Allotment	Upon re	servation	
		in good	time	
	Production	0700	0100	MO thru fri
	Dahura		<u></u>	incidently
	Debugs	******		
	- · · · · · ·			
	•			
b. Jo	b Scheduling: Describe your job			
b. Jo				
b. Jo	b Scheduling: Describe your job			
b. Jo	b Scheduling: Describe your job			
	b Scheduling: Describe your job s Sequential	Batch		
	b Scheduling: Describe your job s Sequential counting Method: Charges based on: For	Batch	me and numb	er of printer-lines
c. Ac	b Scheduling: Describe your job s  Sequential  counting Method: Charges based on: Billing algorithm:	Batch eground time	me and numb	er of printer-lines
c. Ac	b Scheduling: Describe your job s  Sequential  counting Method: Charges based on: Billing algorithm:	Batch eground time	me and numb	er of printer-lines
c. Ac	b Scheduling: Describe your job s  Sequential  counting Method: Charges based on: Billing algorithm:	Batch eground time	me and numb	er of printer-lines
c. Ac	b Scheduling: Describe your job s  Sequential  counting Method: Charges based on: Billing algorithm:	Batch eground time	me and numb	er of printer-lines
c. Ac	b Scheduling: Describe your job s  Sequential  counting Method: Charges based on: Billing algorithm:	Batch eground time	me and numb	er of printer-lines
c. Ac	b Scheduling: Describe your job s  Sequential  counting Method: Charges based on: Billing algorithm:	Batch reground tin	me and numb	er of printer—lines
c. Ad SPEC	Sequential  Counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe a	Batch  reground ting  any special problems  uture implementation	me and numb that have not been	er of printer—lines
c. Ad SPEC	Sequential  Counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe a	Batch  reground ting  any special problems  uture implementation	me and numb that have not been	er of printer—lines accounted for by the above categori

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append



CON	TRIBUTING ORGANIZA	ATION: Naval Ship	Research & Devel	opment Center
Ве	thesda,		Installation Na Mary Land	me 20034
FOC	City US CONTACT: Antho		Analyst	State
DATE	72 / 8 / 8 Yr. Mo. Day	Name 4. FOCUS INST.	ALLATION CODE:	Title NSRC
	CTIVES OF INSTALLA		RMINAL)	*****
	eractive Graphics F ote to CDC 6700	rocessing		
				UTTICE OF USER
HARE	DWARE (include vendor	symbol on non-CDC E	quipment):	AUG 21 197
	MORKANIX X MOREN NSRDC T	erminal		GROUP LIAISON
(1)	Mainframe(s)			
	<u>Model</u> 1774	Quan I	tity	<u>Core (K)</u> 32
(2)	Console(s)  Model	Quantity	(3) Tape Transport(s)  Model	Quantity
(4)	Disk (s)		(5) Card Reader(s)	
	Model 853	Quantity 2	<u>Model</u> 405	Quantity 
<i>(</i> 2)				
(6)	Line Printer(s)  Model	Quantity	(7) Data Cell(s)	<b>A</b>
	512		<u>Model</u> I 777	Quantity
			1111	<u> </u>

FOCUS -	8 INSTALLATION REPORT Installation Code: NSRC	Page <u>2</u> of
6. a. (8)	QSE(s) (Quote Special Equipment)  Description	Quantitu
	5777 Card Punch Controller	Quantity
(9)	Other Devices	
(0)	Description 415 Card Punch 274-Digigraphic Console	Quantity
	1711 Teletype 10165 Alphamumeric Keyboard  1747 Comm. Term. 10166 Function Keyboard  1744 Digigraphic 1583 Typewriter Controller OTE SITE(S):	
b. REM	OTE SITE(S):	
(1)	Computer(s)	
	Model	Quantity
(2)	Other Remote Devices  Description	Quantity
	WARE PROBLEMS  JRRING HARDWARE PROBLEMS:	
	Device No. of Occurrences	Nature of Failure
	NONE (Or Rate of Occurrences)	

\_\_\_\_Good

\_\_\_\_\_Poor

b. In your opinion, CDC's response to your hardware request(s) has been:

X\_\_\_Very Good

\_\_\_\_\_ Excellent

Curre	NARE SYSTEMS ent Operating System MSOS 2.1	Latest Update	PSR No.
Loca	I Modifications (Add additional description if	desired, as appendix)	
	Automatic Defining of IMPORT'		
	data streams when IMPORT is		
	loaded		
QSS	(s) (Quote Special Software)		
(1)			
(2)			
(3)			
(4)			
(-1)			
Com	piler and Library Routines:	Updated through i	PSR Summary or Local Modificati
	FORTRAN 2.0		
	MACRO - Assembler 2.0		
C	rent Problems and Comments:		
Curi	NONE		
	WARE BROD! EMS		
OFT	WARE PRUBLEMS		
	WARE PROBLEMS		
Rec	urring Software Problems:		
Rec			
Rec (1)	Operating System: NONE		
Rec	urring Software Problems:		
. Rec (1)	Operating System: NONE		
Rec (1)	Operating System: NONE  Compilers and System Routines: NONE		
Rec (1)	Operating System: NONE  Compilers and System Routines: NONE  Your opinion, CDC's response to your software	request(s) has been:	
Rec (1)	Operating System: NONE  Compilers and System Routines: NONE	request(s) has been:	
(1)	Operating System: NONE  Compilers and System Routines: NONE  Your opinion, CDC's response to your software	request(s) has been:	

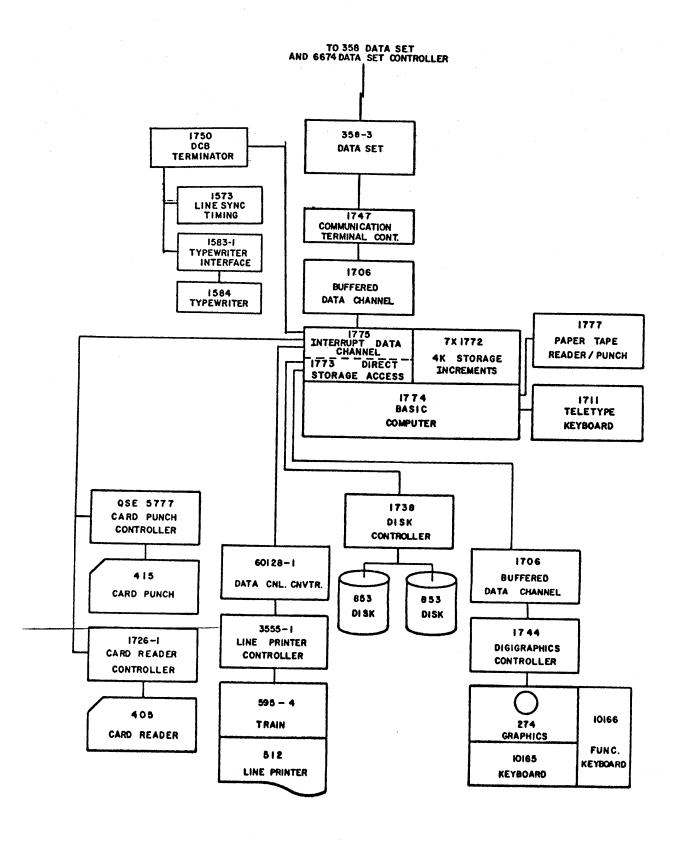
Installation Code: NSRC

FOCUS - 8 INSTALLATION REPORT

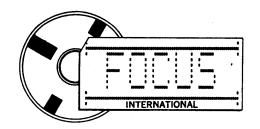
Page 3 of 4

_		
	ode.	NSF

	ERATIONS			
a. S	chedule:	From	To	Day of Week
	Preventive Maintenance	600		when needed
	Systems Work	1600		when needed
	Special Time Allotment	NONE		
	Production			
		730	1600	Mon - Fri
	Debugs			
<b>b</b> . Ј	lob Scheduling: Describe your job so	heduling algorithm	(6700) 55000	saina are scheduled on
b. J	Interactive Graphics a first come first s is performed when ti	and remote serve basis.	Any locator	ssing are scheduled on system checkout work
	Interactive Graphics a first come first s is performed when ti	and remote serve basis.	Any locator	
	Interactive Graphics a first come first s is performed when ti	erve basis. me becomes a	Any loca <b>≵</b> or vailable.	
	Interactive Graphics a first come first s is performed when ti  Accounting Method: Charges based on: No char	erve basis. me becomes a	Any loca <b>¢</b> or vailable. local jobs.	system checkout work
c. <i>A</i>	Interactive Graphics a first come first s is performed when ti	erve basis. me becomes a ges on 1700 by the 6700	Any locator vailable. local jobs. accounting r	system checkout work
c. <i>A</i>	Interactive Graphics a first come first s is performed when ti  Accounting Method: Charges based on: No char Billing algorithm: Handled  ECIAL PROBLEMS: Describe an	erve basis. me becomes a ges on 1700 by the 6700	Any locator vailable. local jobs. accounting r	system checkout work
c. <i>A</i>	Interactive Graphics a first come first s is performed when ti  Accounting Method: Charges based on: No char Billing algorithm: Handled  ECIAL PROBLEMS: Describe an	erve basis. me becomes a ges on 1700 by the 6700	Any locator vailable. local jobs. accounting r	system checkout work
c. A	Interactive Graphics a first come first s is performed when ti  Accounting Method: Charges based on: No char Billing algorithm: Handled  ECIAL PROBLEMS: Describe an NONE  TURE PLANS: Describe any fut	ges on 1700 by the 6700 by special problems	Any locator vailable.  local jobs. accounting rethat have not beer	system checkout work outines. n accounted for by the above categor
c. A	Interactive Graphics a first come first s is performed when ti  Accounting Method: Charges based on: No char Billing algorithm: Handled  ECIAL PROBLEMS: Describe an NONE	ges on 1700 by the 6700 by special problems	Any locator vailable.  local jobs. accounting rethat have not beer	system checkout work outines. n accounted for by the above categor
c. A	Interactive Graphics a first come first s is performed when ti  Accounting Method: Charges based on: No char Billing algorithm: Handled  ECIAL PROBLEMS: Describe an NONE  TURE PLANS: Describe any fut	and remote serve basis.  me becomes a ges on 1700 by the 6700 by special problems	Any locator vailable.  local jobs. accounting rethat have not been as to your current	system checkout work  outines.  n accounted for by the above categor  configuration:



**NSRDC Terminal** 



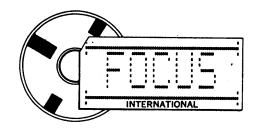
	US CONTACT: Ms				11(16
	E: 72 / 08 / 09 Yr. Mo. Day				/
OBJE	CTIVES OF INSTALLA	TION: Pro	cesse	ng applica	ations
	social s	ell the fu	ld of	Education	
					Utrice of User
			***************************************		AUG 14 1972
	DWARE (include vendor NTRAL SITE:	symbol on non-CD	C Equip	ment):	GROUP LIAISON
(1)	Mainframe(s)				- LINIOUN
,,,	Model		Quantity		Core (K)
	3300				131-K
(2)	Console(s)  Model  3 3 0/	Quantity /	(3)	Tape Transport(s) <u>Model</u>	Quantity /O
(4)	Disk(s)  Model  821	Quantity 4	(5)	Card Reader(s)  Model 405	Quantity /
(6)	854 Line Printer(s)	<u>#</u>	(7)	Data Cell(s)	
	Model 572	Quantity 2		Model	Quantity

b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_\_Excellent \_\_\_\_\_Very Good \_\_\_\_\_ Good \_\_\_\_ Fair \_\_\_\_\_Poor

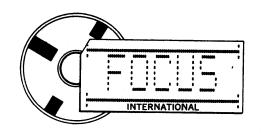
OCUS - 8	INSTALLATION REPORT	Installation Code: NYED Page 3 of
s. SOFTW	ARE SYSTEMS	
a. Curren	t Operating System MASTER	Latest Update 3.0 PSR No. 208+
<u>-</u> 	Tape Copy	System Monitoring Routine  Improved Console Messages LISA Disk 1140, 2011, miles
c. QSS(s)	(Quote Special Software) RESPOND	
d. Compile	er and Library Routines: USASI COBOL	Updated through PSR Summary or Local Modifications:
	USASI FORTRAD	
-	MS FORTRAN	
<del></del>	COMPASS	
	META MARS	208+
	LISA	<u>235</u>
e. Current	Problems and Comments:  Poor quality of  of responses me	PSR coding and timeliness
SOFTWA	RE PROBLEMS	
a. Recurrin	ng Software Problems:	
(1) Op		
(2) Co	ompilers and System Routines:	
	opinion, CDC's response to your softw Excellent Very Good	
c. System S	Stability:	
, o to iii c		
	ne between hardware/software failures	

OPERATIONS			
a. Schedule:	From	To	Day of Week
Preventive Maintenance	539 pm	63 PM	2 days
Systems Work	730An	9094	5 days
Special Time Allotment			
ON-LINE Production	9%1	5°m	Sdays
	9847	60%m	5clay
Debugs			
b. Job Scheduling: Describe your job s			
b. Job Scheduling: Describe your job so			
c. Accounting Method:			
c. Accounting Method: Charges based on: Billing algorithm:			
c. Accounting Method: Charges based on: Billing algorithm:			
c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe a	ny special problems	that have not been a	occounted for by the above categories
c. Accounting Method: Charges based on: Billing algorithm:	ny special problems	that have not been a	occounted for by the above categories



1.	CON	TRIBUTING ORGAN	ZATION: OKE	EGON	STATE UNIT	VERSITY
		CORVALI City	_\ s			
2.	FOC	US CONTACT: 701				
3.	DATI	E: 72/ 8 / 17 Yr. Mo. Day	Name 4. FOCUS IN		ATION CODE:	Title 27343
5.		er Instructiona				
						Utrice OF USER
<b>3</b> .	HARI	DWARE (include vende	or symbol on non-CD	C Equip	amant).	AUG 25 1972
		STRAL SITE:	or symbol on hon-CD	C Equip	ment):	
	(1)	Mainframe(s)				GROUP LIAISON
		Model	9	Quantity		Core (K)
		3300		1		98
	(2)	Console(s)		(3)	Tana Tananana(a)	
		Model	Quantity	13/	Tape Transport(s)  Model	Quantity
		3301	1		404	4
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		854	<u> </u>		405	
	(6)	Line Printer(s)		 (7)	Data Cell(s)	
		Model	Quantity	,	Model	Quantity
		512		<del></del>		
				<del></del>		

10.	OPERATIONS							
	a. Schedule:	From	То	Day of Week				
	Preventive Maintenance	0330	0730	Friday				
	Systems Work	0100	07 2 8	MON - THURS				
	Systems Work	0)00	0330	Friday				
		1830	5730	SAT - MON				
	Special Time Allotment							
		and the second second						
	Production	0780	2300	Man - Fri				
	Froduction	0730	1700	SAT				
	Debugs							
			-					
	First Com							
	c. Accounting Method:							
	Charges based on: CPU	lging bons c	ud Ver					
	Billing algorithm:							
11.	SPECIAL PROBLEMS: Describe a	ny special problem	s that have not beer	n accounted for by the above categories:				
12.	FUTURE PLANS: Describe any fu	iture implementatio	ons to your current	configuration:				
	a. Hardware: Wash							
	b. Software: Name							
13.	ADDITIONAL COMMENTS: FO	or Additional Comr	ments and/or Syster	n Organization Chart(s), append				



ON: SERV.  EWFANE  Abol on non-CE	NSTALL ICE EERIM	ATION CODE: TECHNICAL C AND LIC	PA State AMMER / ANALYST Title / PCCK  PROFRAM MING
Name  4. FOCUS II  N: SERV.  EWFAVI  abol on non-CE	NSTALL  ICE  EERIN  OC Equip  Quantity	ATION CODE: TECHNICAL TECHNICAL THE AND LIP	AMMER ANALYST Title PECK PROFRAM MING-BRARY APPLICATE UITICE OF USER AUG 17 1972 GROUP LIAISON Core (K)
A. FOCUS II	CE Equip	TECHNICAL  (F AND LID  oment):	PROFRAM MING-BRARY APPLICATE  UITICE OF USER  AUG 17 1972  GROUP LIAISON  Core (K)
DN: SERV.	CE Equip	TECHNICAL  (F AND LID  oment):	PROFRAM MING-BRARY APPLICATE  UITICE OF USER  AUG 17 1972  GROUP LIAISON  Core (K)
bol on non-CE	OC Equip	oment):	UITICE OF USER AUG 17 1972  GROUP LIAISON  Core (K)
	Quantity		AUG 17 1972  GROUP LIAISON  Core (K)
	Quantity		AUG 17 1972  GROUP LIAISON  Core (K)
		Tape Transport(s)	GROUP LIAISON  Core (K)
		Tape Transport(s)	Core (K)
		Tape Transport(s)	
Quantity	(3)	Tape Transport(s)	
Quantity	(3)	Tape Transport(s)	
Quantity			
		<u>Model</u>	Quantity
	(5)	Card Reader(s)	
Quantity		Model	Quantity
	(7)	Data Cell(s)	
Quantity		Model	Quantity
		(7)	(7) Data Cell(s)

OCUS - 8 INSTALLA	TION REPOR	RT Installation Code:	Page 2 c
a. (8) QSE(s) (Quote	Special Equipm	ent)  Description	Quantity
·			
(9) Other Devices			
		Description	Quantity
ASR 3.	3 TERM	INAL	
OCT S	OO TERM	TINAL	,
PDP-8			/
b. REMOTE SITE(S):			
(1) Computer(s)			
(1) Computer(s)		Model:	Quantity
		Wilder	Contity
,	<del></del>		
(2) Other Remote C	Devices		
		Description	Quantity
HARDWARE PROBL	_EMS		
a. RECURRING HARD	WARE PROBLE	MS:	
<u>De</u>	evice	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
Black and the second se			
منطقة <del>، (2 قدر عاملة علي علي علي علي بين بين بين عليه ال</del>			
*			

\_\_\_\_ Good

\_\_\_\_\_ Excellent

\_\_\_\_Very Good

\_\_\_\_Fair

Poor

Mean time between hardware/software failures

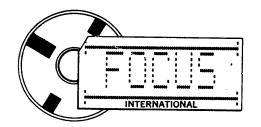
Longest time period between hardware/software failures

12.	. FUTURE PLANS: Describe any future implementations to your current configuration:  a. Hardware:				
	b. Software:				

11. SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above categories:

Billing algorithm:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



1.	CON	CONTRIBUTING ORGANIZATION: Regneanlegget Blindern-Kjeller				
		2007 Kjeller	<del></del>	<del></del>	Installation Na NOTW	me
	-	City				State
2.	FOC	US CONTACT: Mr	S A Øvergaard		Direct	
3.	DAT	E: 72 / 08/ 14 Yr. Mo. Day	Name 4. FOCUS IN	ISTALL	ATION CODE:	Title RBK
5.	OBJE	CTIVES OF INSTALL	ATION:			
		Providing com	puting service	es fo	r five gover	nmental
		institutions.				
						ULTICE OF USER
6.	HARI	DWARE (include vendo	or symbol on non-CD0	C Equip	oment):	AUG 18 1972
	a. CEI	NTRAL SITE:				GROUP LIAISON
	(1)	Mainframe(s)				
		Model	<u>0</u>	uantity		Core (K)
		CYBER mod 74				128
		3600	1			32
		8090	1			8
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
		DD60	1		659	2
		3601	1	_	606	8
	r					
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		841	8	_	405	2
				_		
	(6)	Line Printer(s)				
	(0)		•	(7)	Data Cell(s)	_
		<u>Model</u>	Quantity		Model	Quantity
		512 505	1	-		
			1	-	***	
		1612	<u> </u>			

CYBER: SCOPE 3.4	OCUS -	- 8 INSTALLATION REPOR	T Installation Code:	RBK	Page 3 of 4
c. QSS(s) (Quote Special Software)  (1)  (2)  (3)  (4)  d. Compiler and Library Routines: Updated through PSR Summary or Local Modification Algol Cobol Fortran Simula Gargoyle Sort  e. Current Problems and Comments:  (2) Compilers and System Routines:  (2) Compilers and System Routines:  (2) Compilers and System Routines:  (3) Lin your opinion, CDC's response to your software request(s) has been: Excellent X Very Good Good Fair Poor  c. System Stability:		WARE SYSTEMS 3600 : CYBER:	DS 2.1 SCOPE 3.4 Latest Update		PSR No.
c. QSS(s) (Quote Special Software)  (1) (2) (3) (4)  d. Compiler and Library Routines:  Lipdated through PSR Summary or Local Modification Algol Cobol Fortran Simula Gargoyle Sort  e. Current Problems and Comments:  (2) Compilers and System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent X Very Good Good Fair Poor  c. System Stability:	b. Loc	al Modifications (Add additional des	cription if desired, as appendix	)	
c. QSS(s) (Quote Special Software)  (1)  (2)  (3)  (4)  d. Compiler and Library Routines:  Algol Cobol Fortran Simula Gargoyle Sort  e. Current Problems and Comments:  (1) Operating System:  (2) Compilers and System Routines:  (2) Compilers and System Routines:  Excellent X_Very Good Good Fair Poor  C. System Stability:					
c. QSS(s) (Quote Special Software)  (1)  (2)  (3)  (4)  d. Compiler and Library Routines: Updated through PSR Summary or Local Modification Algol Cobol Fortran Simula Gargoyle Sort  e. Current Problems and Comments:  (1) Operating Software Problems: (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  — ExcellentX_ Very Good Good Fair Poor  c. System Stability:					
(2) (3) (4)  d. Compiler and Library Routines:  Algol Cobol Fortran Simula Gargoyle Sort  e. Current Problems and Comments:  (1) Operating System:  (2) Compilers and System Routines:  (2) Compilers and System Routines:  (3) Lagorian System Routines:  (4)  (5) Lagorian System Routines:  (6) Compilers and System Routines:  (7) Compilers and System Routines:  (8) Lagorian System Routines:  (9) Compilers Agorian System Routines:  (1) Compilers Agorian System Routines:  (2) Compilers Agorian System Routines:  (3) Compilers Agorian System Routines:  (4) Compilers Agorian System Routines:  (5) Lagorian System Routines:  (6) Compilers Agorian System Routines:  (7) Compilers Agorian System Routines:  (8) Lagorian System Routines:  (9) Compilers Agorian System Routines:  (10) Compilers Agorian System Routines:  (11) Compilers Agorian System Routines:  (12) Compilers Agorian System Routines:  (13) Compilers Agorian System Routines:  (14) Compilers Agorian System Routines:  (15) Compilers Agorian System Routines:  (16) Compilers Agorian System Routines:  (17) Compilers Agorian System Routines:  (18) Compilers Agorian System Routines:  (19) Compilers Agorian System Routines:  (20) Compilers Agorian System Routines:  (21) Compilers Agorian System Routines:  (22) Compilers Agorian System Routines:  (33) Compilers Agorian System Routines:  (44) Compilers Agorian System Routines:  (55) Compilers Agorian System Routines:  (65) Compilers Agorian System Routines:  (76) Compilers Agorian System Routines:  (77) Compilers Agorian System Routines:  (87) Compilers Agorian System Routines:  (88) Compilers Agorian System Routines:  (88) Compilers Agorian System Routines:  (98) Compilers Agorian System Routines:  (98		G(s) (Quote Special Software)			
(3) (4)  d. Compiler and Library Routines:  Algol Cobol Fortran Simula Gargoyle Sort  e. Current Problems and Comments:  (1) Operating System:  (2) Compilers and System Routines:  ——ExcellentX_Very GoodGoodFairPoor  c. System Stability:					
d. Compiler and Library Routines:  Algol Cobol Fortran Simula Gargoyle Sort  e. Current Problems and Comments:  (1) Operating System:  (2) Compilers and System Routines:	(3)				
Algol Cobol Fortran Simula Gargoyle Sort  e. Current Problems and Comments:  1. SOFTWARE PROBLEMS a. Recurring Software Problems: (1) Operating System: (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: Excellent X Very Good Good Fair Poor  c. System Stability:	(4)				
Fortran Simula Gargoyle Sort  e. Current Problems and Comments:  5. SOFTWARE PROBLEMS a. Recurring Software Problems: (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:ExcellentX_Very GoodGoodFairPoor  c. System Stability:	d. Con	Algol			ry or Local Modifications:
Gargoyle Sort  e. Current Problems and Comments:  SOFTWARE PROBLEMS  a. Recurring Software Problems: (1) Operating System:  (2) Compilers and System Routines:  ———————————————————————————————————		Fortran Simula			
e. Current Problems and Comments:    SOFTWARE PROBLEMS     Recurring Software Problems:   (1) Operating System:		Gargoyle Sort			
b. In your opinion, CDC's response to your software request(s) has been:  Excellent X Very Good Good Fair Poor  C. System Stability:	e. Curi	rent Problems and Comments:			
a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent X Very Good Good Fair Poor  c. System Stability:	COET				·
(2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent X Very Good Fair Poor  c. System Stability:					
b. In your opinion, CDC's response to your software request(s) has been: ExcellentXVery GoodGoodFairPoor  c. System Stability:		Operating System:			
b. In your opinion, CDC's response to your software request(s) has been: ExcellentXVery GoodGoodFairPoor  c. System Stability:	(2)	Compilers and System Routines:			
Excellent X Very Good Good Fair Poor  c. System Stability:	b. In v				
	J y			Fair	Poor
	c. Syst	em Stability:			
		•	ailures		

RBK

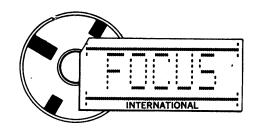
10.

11.

12.

	From	То	Day of Week
Schedule:	0700	0830	Tuesday thru Friday
Preventive Maintenance	0700	1100	Monday
		4-4	
		*** ****	
Systems Work			
Systems Work			
Special Time Allotment			
			M
Production	1100		Monday
	0830		Tuesday thru Frida
Debugs			
Job Schedulina: Describe your job sc	heduling algorithm		
Job Scheduling: Describe your job sc	heduling algorithm	<u> </u>	
Job Scheduling: Describe your job sc	heduling algorithm		
Job Scheduling: Describe your job sc	heduling algorithm		
Job Scheduling: Describe your job sc	heduling algorithm		
Job Scheduling: Describe your job sc	heduling algorithm		
	heduling algorithm		
Accounting Method:			
Accounting Method: Charges based on:			
Accounting Method:			
Accounting Method: Charges based on:			
Accounting Method: Charges based on: Billing algorithm:			
Accounting Method: Charges based on: Billing algorithm:			
Accounting Method: Charges based on: Billing algorithm:			
Accounting Method: Charges based on: Billing algorithm: PECIAL PROBLEMS: Describe an	ıy special problems	that have not bee	en accounted for by the above categor
Accounting Method: Charges based on: Billing algorithm:	ıy special problems	that have not bee	en accounted for by the above categor
Accounting Method: Charges based on: Billing algorithm: PECIAL PROBLEMS: Describe an	ry special problems	that have not bee	en accounted for by the above categor

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



CUN	TRIBUTING ORGANIZ	ATION:	esearcl	n, Development a	and Laboratory Auto		
Bethesda				Maryland			
	City US CONTACT: Dal	e Allen			State		
roc	OS CONTACT: Dat	Name		Computer	Specialist Title		
DAT	E: <u>72 / 08 / 16</u>	4. FOCUS II	NSTALL	ATION CODE:	RDLA		
OBJE	Yr. Mo. Day  CTIVES OF INSTALLA	ATION: Real T	ime Cli	nical Laborator	v System		
					, cycem		
					UFFICE OF USER		
					AUG 21 1972		
HARI	DWARE (include vendor	symbol on non-CE	OC Equip	oment):			
	NTRAL SITE:		• •		GROUP LIAISON		
(1)	Mainframe(s)						
	32 <del>00</del>		Quantity 1	Core (K) 32K 8K			
	PDP8-L		2				
(2)	0						
(2)	Console(s)		(3)	Tape Transport(s)			
	<u>Model</u> 3201	Quantity 1		<u>Model</u> 604	Quantity 4		
	3291	1					
	3291			PI	2		
(4)	Disk (s)	•	(5)	Card Reader(s)			
	Model	Quantity		Model	Quantity		
	854	3		405	1		
(6)	Line Printer(s)		(7)	Data Cell(s)			
	Model	Quantity		Model	Quantity		

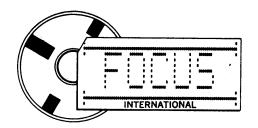
, 000	8 INSTALLATION REPORT	Installation Code:	RDLA	Page 2 o
a. (8)	QSE(s) (Quote Special Equipment)			
d. (0)		ription		Quantity
(9)	Other Devices			
	Desc	ription		Quantity
	3287/88 A/D Interface			1
	212 CRT Display			
b. REM	MOTE SITE(S):			
(1)	Computer(s)			
	<u>M</u>	odel		Quantity
(2)	Other Remote Devices			
		ription		Quantity
HARD	DWARE PROBLEMS			
a. REC	CURRING HARDWARE PROBLEMS:			No. of Fallows
	<u>Device</u>	No. of Occurrences (Or Rate of Occurrences)	<u>-</u>	Nature of Failure

FC	ocus -	- 8 INSTALLATION REPORT	Installation Code:	RDLA	Page 3 of					
8.		WARE SYSTEMS rent Operating SystemMSOS 4.2	Latest Update Sur	n #225	PSR No.					
	b. Loc	al Modifications (Add additional description  Modified version of RIO	if desired, as appendix							
	(2) (3) (4)	(s) (Quote Special Software)								
	d. Con	ppiler and Library Routines : FORTRAN	Sum #2	25	mary or Local Modifications:					
		COMPASS	Sum #2	25						
		MSSORT	Sum #2	25						
		COBOL		25						
		UTILITY etc.	Sum #2	25						
	e. Curr	ent Problems and Comments:  Routines such as CIO and PF that require operator respondenting this time, causing 1	onse. Real time	backgroun						
9.	SOFT	WARE PROBLEMS	.oou data condit	201101						
	a. Reci	urring Software Problems:								
	(1)	Operating System: See "e" abo	ve	-						
	(2)	(2) Compilers and System Routines: Fortran Data statement will not accept Holler: constants delineated by quotes.								
	b. In y	our opinion, CDC's response to your softwa		X Enir	Poor					
				I GII	1 001					
		em Stability:								
		n time between hardware/software failures			<del></del>					
	Lon	gest time period between hardware 'software	failures Unknow	n	MATERIA PROPERTY AND A CONTROL OF MATERIA AND A CONTROL OF A CONTROL O					

10. OPERATIONS

	dule: Preventive Maintenance	From 0530	То <b>0730</b>	Day of Week  Monday - Friday
	Freventive Maintenance			
	Systems Work			
	•			
	Special Time Allotment			
	Production	7 30 a.m.	12:00 p.m.	Monday - Friday
		as req	uired	Saturday - Sunday
	Debugs	<del>as r</del> ec	u <del>ired</del>	— Saturday - Sunday
. Job	Scheduling: Describe your job sch System is used for re		rations 7:30 a	ı.m 5:00 p.m. daily
. Job	System is used for re	al-time oper l-time runs	5:00 p.m	12:00 p.m. daily.
	System is used for re Production or non rea Available Saturday an	al-time oper l-time runs	5:00 p.m	12:00 p.m. daily.
	System is used for re Production or non rea Available Saturday an	al-time oper l-time runs d Sunday for	5:00 p.m 3	
	System is used for re Production or non rea Available Saturday an	al-time oper l-time runs d Sunday for	5:00 p.m 3	12:00 p.m. daily. or debug run.
. Acco	System is used for re Production or non rea Available Saturday an  ounting Method: Charges based on: N/A	al-time oper l-time runs d Sunday for	5:00 p.m 3	12:00 p.m. daily. or debug run.
. Acco	System is used for re Production or non rea Available Saturday an  ounting Method: Charges based on: Billing algorithm: N/A	al-time oper l-time runs d Sunday for	5:00 p.m 3	12:00 p.m. daily. or debug run.
. Acco	System is used for re Production or non rea Available Saturday an  ounting Method: Charges based on: Billing algorithm: N/A	al-time oper l-time runs d Sunday for	5:00 p.m 3	12:00 p.m. daily. or debug run. ccounted for by the above catego
. Acco	Production or non rea Available Saturday an  bunting Method: Charges based on: Billing algorithm: N/A  AL PROBLEMS: Describe any	al-time oper l-time runs d Sunday for special problems re implementation of two PDP-	5:00 p.m I production of	12:00 p.m. daily. or debug run. ccounted for by the above catego

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append



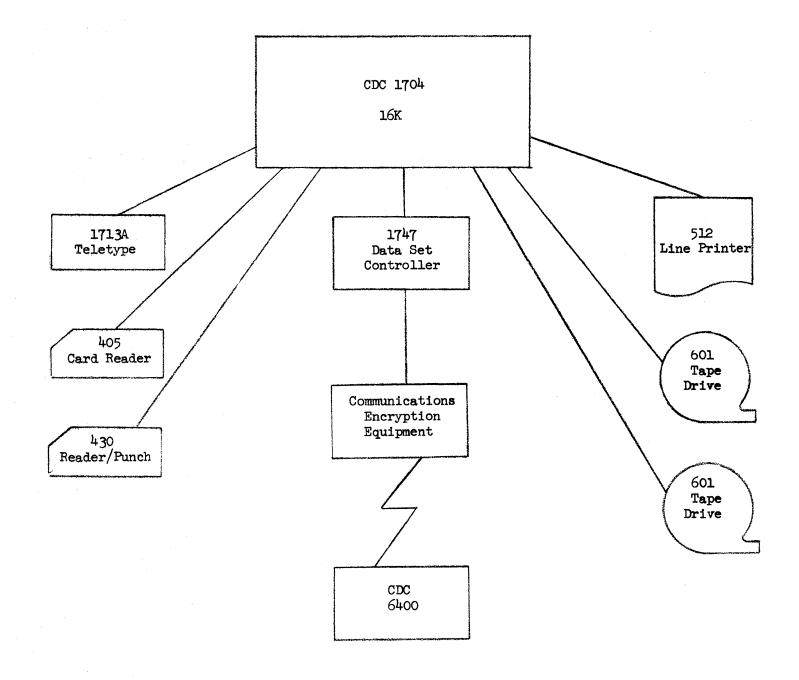
1.	CON	TRIBUTING ORGANI	ZATION: Reynol	Reynolds Electrical & Engineering Co., Inc.				
	<u>.</u>	.Las Vegas City		Installation Name Nevada				
_		City				State		
2.	FOC	US CONTACT: T.	J. Ward Name		<u>Information</u>	Systems Dept. Manage		
3.	DAT	E: 72/ 08 / 15 Yr. Mo. Day	4. FOCUS II	NSTALL	A = 1 = 1	REEC		
5.		CTIVES OF INSTALL	ATION: Busine	ss and	scientific data	processing		
	nece	essary to REECo's	function as a p	rime co	ontractor to the	AEC.		
						Utrice OF USER		
6.	HARI	DWARE (include vendo	or symbol on non-CE	OC Equip	oment):	AUG 3 0 19/2		
		NTRAL SITE:	,	• •		ODOLO HAIOON		
	(1)	Mainframe(s)				GROUP LIAISON		
		Model 1704		Quantity 1		Core (K) 16		
						10		
			***************************************					
	(2)	Console(s)		(3)	Tape Transport(s)			
		Model	Quantity		Model	Quantity		
		1713A	1	<del></del>	601	2		
	(4)	Disk(s)		(5)	Card Reader(s)			
		Model	Quantity		Model	Quantity		
					405	1		
				<del></del>	430	1		
	(6)	Line Printer(s)						
	. 107	Model	Orramaiare	(7)	Data Cell(s)			
		512	Quantity 1	-	Model	Quantity		
			ministratus — province — principal — princ	·				
		- Adams of the second state of the second stat	and the second second second second					

•	. (8)	QSE(s) (Quote Special Equipment)		
		De	scription	Quantity
		6524-1700 Signal Level (	Converter	1
	(9)	Other Devices		
	(5)		scription	Quantity
b		1747 Data Set Controller	1	
		Communications Encryptic	1	
		DC-216A Data Channel Ada	1	
	<b></b>			
		MOTE SITE(S):		
	(1)	Computer(s)	Model	Quantity
		<u>;</u>	Y OCCU	Quantity
	(2)	Other Remote Devices		
		<u>De</u>	Quantity	
	HARD	WARE PROBLEMS		
	. REC	CURRING HARDWARE PROBLEMS:		
		Device	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
		601	Frequent	Tape runaways
				Loss of vacuum
		512	Frequent	Static problems
		Age de la constante de la cons		

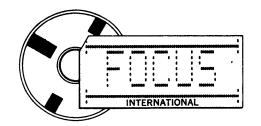
OCUS ·	- 8 INSTALLATIO	N REPORT	Installation Code:_	REEC	Page 3 of 4
SOFT	WARE SYSTEMS				
	rent Operating System	RJEMS	Latest Update		PSR No
					white control and control and the first of t
b. Loc			tion if desired, as appendix)	ha 1	
			C supplied system r the past two yea		
	Serences our po	TAULUM OVE	i die pasc two yea	15.	
	S(s) (Quote Special Soft				
(1) (2)					
(3)			stem		
(4)					
d. Con	npiler and Library Routir	ies :	Updated thro	ough PSR Sun	nmary or Local Modificatio
			· · · · · · · · · · · · · · · · · · ·		
			-		
e. Cur	rent Problems and Comm	ants.			
SOFT	WARE PROBLEMS		*		
	urring Software Problems	s:			
(1)					
(2)	Compilers and System	Routines:			
b. In y			tware request(s) has been:	r.:	0
	Excellent	very Good	dGood	Fair	Poor
	tem Stability:				
			es $1\frac{1}{2}$ days		
Lon	igest time period between	i hardware 'softw	vare failures <u>3 days</u>		renderen en e

CUS - 8 INSTALLATION REPORT	[nstallatio	on Code:	REEC Page 4 of
OPERATIONS			
a. Schedule:	From	То	Day of Week
Preventive Maintenance	0400	0800	Monday
Systems Work			As requested
Special Time Allotment			As requested
•	<del></del>		
Production	1700	0600	Monday-Saturday
Debugs	0800	1700	Monday-Friday
			**************************************
b. Job Scheduling: Describe your job schedu	lling algorithm		
b. Job Scheduling: Describe your job schedu	iling algorithm		
	lling algorithm		
c. Accounting Method:	iling algorithm		
	iling algorithm		
c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any sp	ecial problems	that have not be	een accounted for by the above categor CDC 6400 owned by the AEV
c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any sp Our 1700 is used mainl:	ecial problems y as a ter	minal to a	een accounted for by the above categor CDC 6400 owned by the AE specialized software used
c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any sp Our 1700 is used mainl:	ecial problems y as a ter ms occur d mplementation	minal to a ue to the	CDC 6400 owned by the AE specialized software used nt configuration:
c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any sp Our 1700 is used mainl; so many special proble  FUTURE PLANS: Describe any future in	ecial problems y as a ter ms occur d mplementation	minal to a ue to the sto your curren	CDC 6400 owned by the AE specialized software used nt configuration:

283



REYNOLDS ELECTRICAL & ENGINEERING CO., INC., 1700 COMPUTER SYSTEM



CONT	CONTRIBUTING ORGANIZATION: SANDIA LABORATORIES					
	IVERMORE			Installation Name	me	
	City			<u> </u>	tate	
FOCL	JS CONTA <u>CT: G.A</u>	L. WILLIAMS	5	System	PROGRAMMER	
DATE	: 721 8 1 14 Yr. Mo. Day	_ <b>4.</b> FOCUS	INSTALLA	ATION CODE:	CLL	
OBJE	CTIVES OF INSTALL	ATION:				
HARD	WARE (include vendo	or symbol on non-	I on non-CDC Equipment):		UTTICE OF USER	
a. CEN	TRAL SITE:				AUG 17 1972	
(1)	Mainframe(s)			·		
	Model		Quantity		GROUP-LAAISON	
	6600				131	
	3600				64	
(2)	Console(s)  Model  6612	Quantity 2	(3)	Tape Transport(s)  Model  20	Quantity Gコフ	
	3607		<del></del>			
(4)	Disk(s)		(5)	Card Reader(s)		
	Model	Quantity		Model	Quantity	
	6638	/		405	3	
	841	7				
	814					
(6)	Line Printer(s)		(7)	Data Cell(s)		
	Model	Quantity		Model	Quantity	
	5/2					
	501	3				
	IBM 1403	2				

b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_\_ Excellent \_\_\_\_\_\_ Very Good \_\_\_\_\_ Good \_\_\_\_ Fair \_\_\_\_\_ Poor

Longest time period between hardware 'software failures

10.	OF	ER	Δ	TIC	NS

Preventive Maintenance	3690	From 5:30 Am =	To 1:30	Day of Week
rreventive maintenance		5:30 AM -	7:30	M-F M-W-F
	· -			
Systems Work	3400	AS NEEDED		
	6600	7:30-AM	8:30	m- F
		<del></del>		
· · · · · · · · · · · · · · · · · · ·			<del></del>	
Special Time Allotment				
				****
Production				
	3600	7:30	2400	M-F
<b>&gt;</b>		8130		
	6600	8:30	4	M-5+
Debugs				
b. Job Scheduling: Describe you 3630 — 1 <sup>st</sup> Comp	r job sche	duling algorithm	erm s	hip swing all make
b. Job Scheduling: Describe you  3600 - 1st comp	Red W	Le 10 min.	prime s	hijt swing allfroku
3600 - 1st comp 6600 - Bosel on	Sud W	i and FL		
3600 - 1 st comp  6600 - Bosel on  Charges based on: Cf	Sud W	i and FL		
3600 - 1st comp 6600 - Bosel on	Sud W	i and FL		Lift swing all grodu + IO) 4600)
3600 - 1 St comp  6600 - Bosco m  6 Accounting Method:  Charges based on: C f  Billing algorithm:	Red Time	i and FL	4 + Z(PPU	+ 70) (6,0)
3600 - 1 St comp  6600 - Bosel on  Charges based on: Cf  Billing algorithm:	Red Time	i and FL	4 + Z(PPU	
3600 - 1 St comp  6600 - Bosco m  6 Accounting Method:  Charges based on: C f  Billing algorithm:	Red Time	i and FL	4 + Z(PPU	+ 70) (6,0)
3600 - 1 St comp  6600 - Bosel on  Charges based on: Cf  Billing algorithm:	Red Time	i and FL	4 + Z(PPU	+ 70) (6,0)
3600 - 1 St comp  6600 - 1 St comp  6. Accounting Method:  Charges based on:  Billing algorithm:  SPECIAL PROBLEMS: Desc	Lend Time	is and FL  20) (CP)  pecial problems that	$4 + \frac{1}{2}(PPU)$ It have not been	+ IO) (())
3600 - 1 St comp  4600 - 1 St	Red To	in and FL  pecial problems that	t have not beer	+ IO) (())
3600 - 1 St comp  6600 - Bosel on  Charges based on: Cf  Billing algorithm:	Lend To Tem  Ou (30  cribe any s  any future	in and FL  pecial problems that	t have not beer	+ IO) (())

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



1.	CONTRIBUTING ORGANIZATION: System Develo				Develop	relopment Corporation		
	Santa Monica City				California State			
2.	FOCL	=:-,	. Micha	aelson		Group	Head	
3.		: 72 / 8 / 21 Yr. Mo. Day	Na: 4.		ISTALLA	TION CODE:	Title SDCS	
5.	OBJEC Softw	CTIVES OF INSTALL	ATION:	Software	Develo	pment, Test,	and Integ	gration of
								ULTICE OF USER
6.	a. CEN	WARE (include vendo	r symbo	l on non-CD	C Equip	ment):		AUG 3 0 19.
	(1)	Mainframe(s)  Model 3800 160-A		9	Quantity 3 3		Core ( 65K 24K	K)
	(2)	Console(s)  Model  none		Quantity	(3)	Tape Transport(s)  Model  607  604		Quantity 24 10
	(4)	Disk(s)  Model  854		Quantity 15	(5)	Card Reader(s)  Model 405 607		Quantity 6
	(6)	Line Printer(s)  Model 501 166		Quantity 7 1	(7)	Data Cell(s)  Model  n/a		Quantity

FO CUS	- 8 INSTALLATION REPORT	Installation Code:	SDCS	Page 2 of
6. a. (8	) QSE(s) (Quote Special Equipment)		······································	
	• • • • •	ription		Quantity
	Summit Switch (QSE 3338 &			3
		5 printer)		1
	Phantom Lockout (162-3			1
(9)	) Other Devices			
•		ription		Quantity
b. RE	EMOTE SITE(S):			
(1)	Computer(s)			
	<u>M</u>	odel		Quantity
(2)	Other Remote Devices			
	Desc	ription		Quantity
	DWARE PROBLEMS			
a. RE	CURRING HARDWARE PROBLEMS:	No. of Occurrence	Nancas	of Failure
	<u>Device</u>	No. of Occurrences (Or Rate of Occurrences)	mande e den men signagarikaskega e seba	
	The 854 Disc drives are venture occur daily (all drives ex	<u>ery unreliable. P</u> rol xcent l are nore sen	lems causing #7000)	rework
	occur darry (arr drives c.	Accept i are pore sen		
	Deep ending conditions are	,		
b. In	your opinion, CDC's response to your hard	ware request(s) has been		
2			, .	
	XExcellentVery God Central Site	odGood	Fair	Poor
	rentrat 2116			

CUS -	8 INSTALLATION REPORT	Installation Code:	SDCS	Page 3	of 4
SOFT	WARE SYSTEMS				
	rent Operating System SYMON/SCOPE (our version)		2.1	PSR No.	
b. Loca	al Modifications (Add additional description (SCOPE) Extensive correc	on if desired, as appendix) tion and improvemen	nt of the I	/O system.	
c. QSS (1)	(s) (Quote Special Software)				
(2) (3) (4)					
d. Com	piler and Library Routines :			ary or Local Mod	ifications:
	COMPASS	local		<del></del>	
	COBOL			,	****
	FTN	1 7		very carefu	
	INFOL		evaluated	before in	clusion
	PERT				
	SORT	local			
	ent Problems and Comments:  COBOL compiler producer of with the system LOADER IN rewritten large parts of WARE PROBLEMS	FOL has been a con			atible ave virt
a. Reci	urring Software Problems:				
(1)	Operating System: I/0		<u> </u>		-
(2)	Compilers and System Routines:	I/0			
b. In yo	our opinion, CDC's response to your softExcellentVery Good	·	Fair	( Poor	
c Cues	em Stability:				

Billing algorithm:

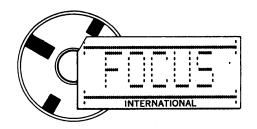
	<b>b</b> . <b>J</b> 0	b Scheduling: Describe your job sch first in - first out	(priority work excepted)	
c. Accounting Method:	c. Ac	counting Method:		

11. SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above categories: Performance of standard CDC software packages has generally been bad. We cannot count on performance as documented (or implied).

12.	FUTURE PLANS:	Describe any future implementations to your current configuration:	
	a. Hardware:		

b. Software:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

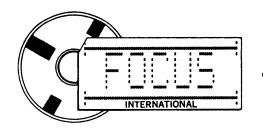


	Francisco		N: <u>California State University, San Francisco</u> Installation Name  California			
១៩ព	City				tate	
FOCI	JS CONTACT: Davi	d W. Hamaker		Programmer	II	
		d W. Hamaker Name			Title	
DATE	:: 72 / 9 / 8 Yr. Mo. Day	4. FOCUS IN	ISTALLA	ATION CODE:	SFSC	
	CTIVES OF INSTALLA	ATION: The mains	tanana	af computar re	andreas to prov	
for	campus needs in t	he areas of inst	tructio	on, research and	l administration	
	······································					
					Utrića OF USER	
HARE	OWARE (include vendo	symbol on non-CD	C Equip	ment):		
	ITRAL SITE:	•	• •		S€P 1 2 1972	
(1)	Mainframe(s)				GROUP LIAISON	
*	Model	C	Quantity		Core (K)	
	3150	<u></u>	1		32K	
	<u> </u>					
(2)	Console(s)		(3)	Tape Transport(s)		
	Model	Quantity		Model	Quantity	
	3101	1		608	2	
				**************************************		
(4)	Disk(s)		(5)	Card Reader(s)		
• • •	Model	Quantity		Model	Quantity	
	854	4		405	1	
	<u> </u>			172		
				gazarangan and all Million Million de William paga and an anger an anger		
(6)	Line Printer(s)		(7)	Data Cell(s)		
,.,	Model	Quantity	,- <b>,</b>	Model	Quantity	
	501	1		(none)		
	701			/HOHE)		

Desices  Cd Punch (model 415)  COMP 563 Plotter w/ 4  COMP 564 Plott	odel o several computer:	mote	Quantity  Quantity  1  1  Quantity
Desices  Desiced Punch (model 415)  Inmunications Controlle  LCOMP 563 Plotter w/ 4  ITE(S):  Iter(s)  E have remote access to imputer and several terminations are not considered.	cription er (model 3266) a70 Tape Drive  odel o several computers	mote	Quantity 1 1 1 Quantity
Desices  Cd Punch (model 415)  COMP 563 Plotter w/ 4  COMP 564 Plott	cription er (model 3266) a70 Tape Drive  odel o several computers	mote	Quantity 1 1 1 Quantity
Description Descri	er (model 3266) 70 Tape Drive odel o several computer:	mote	1 1 1 Quantity
Description Descri	er (model 3266) 70 Tape Drive odel o several computer:	mote	1 1 1 Quantity
Description Descri	er (model 3266) 70 Tape Drive odel o several computer:	mote	1 1 1 Quantity
Description Descri	er (model 3266) 70 Tape Drive odel o several computer:	mote	1 1 1 Quantity
rd Punch (model 415)  nmunications Controlle  COMP 563 Plotter w/ 4  ITE(S):  uter(s)  have remote access to to mputer and several tecomputers are not consi	er (model 3266) 70 Tape Drive odel o several computer:	mote	1 1 1 Quantity
nmunications Controlle  CCOMP 563 Plotter w/ 4  ITE(S):  uter(s)  Me have remote access to apputer and several tecomputers are not consi	odel o several computer:	mote	1 1 1 Quantity
ACOMP 563 Plotter w/ 4  ITE(S):  uter(s)  have remote access tomputer and several temputers are not consi	odel o several computer:	mote	Quantity
ACOMP 563 Plotter w/ 4  ITE(S):  uter(s)  have remote access tomputer and several temputers are not consi	odel o several computer:	mote	Quantity
wter(s)  Me have remote access to to mputer and several temputers are not consi	o several computers	mote	
wter(s)  Me have remote access to to mputer and several temputers are not consi	o several computers	mote	
Me have remote access to omputer and several te omputers are not consi	o several computers	mote	
e have remote access to emputer and several te emputers are not consi	o several computers	mote	
omputer and several teomputers are not consi	letypes - these re	mote	n)
omputers are not consi			n)
	dered part of this	installatio	n )
Remote Devices  Desc	ription		Quantity
PROBLEMS			
G HARDWARE PROBLEMS:			
Device	No: of Occurrences	Nat	ure of Failure
05/	(Or Rate of Occurrences)		
854	Monthly		misloading
***			checkword error
608	Bimonthly	Tape rea	d/write problem
405, 415	Monthly	Card dam	age
5.01	Weekly		ndling Problems
	E PROBLEMS G HARDWARE PROBLEMS:  Device  854  608  405, 415	Device No. of Occurrences (Or Rate of Occurrences)  854 Monthly  608 Bimonthly  405, 415 Monthly	G HARDWARE PROBLEMS:  Device No. of Occurrences Nate of Occurrences)  854 Monthly Heads Header & 608  Bimonthly Tape reactions  405, 415 Monthly Card dam Misreadi

SOFT	WARE SYSTEMS		
a. Curr	rent Operating System MSOS Std. Late	est Update 4.2	PSR No. 254+
b. Loca	al Modifications (Add additional description if desi	red, as appendix)	
	Accounting routines	<u>Changes to</u>	typeouts and printout
	System assumes "ND" and "NM"		
	COBOL overlay scheme		· · · · · · · · · · · · · · · · · · ·
	Operator control via MI comma	nd	
(1) (2) (3)	CABLE - A program for RJE to		
d. Con	mpiler and Library Routines :(Standard_Software)	Updated through PSI (254	R Summary or Local Modification
e. Cur	rrent Problems and Comments:		
	Operating System appears to co	ntain excessive k	nown and unknown "bug
	Its design is considered poor.	Non-standard Co	mpilers hamper teachi
0057	TWARE PROBLEMS		
•••			
	curring Software Problems: Operating System: Recurrent appeara	unce of new proble	me
(1)	Operating System: Recult elle appeara	ince of new proofe	
(2)	Compilers and System Routines: Compiler checking object code. System i		
b. In y	your opinion, CDC's response to your software req		rPoor
	· · · · · · · · · · · · · · · · · · ·		
	stem Stability: ean time between hardware/software failuresest		

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



1.	CONT	RIBUTING ORGANI	ZATION: SEGUR	OS LA C	OMERCIAL, S. A	١.
		MEXICO City			DISTRITO FEDER	
2.	FOCI	JS CONTACT:			5	tate
			Name	INICTALL	ATION CODE	Title
3.	DATE	E: <u>72 / 08 / 18</u> Yr. Mo. Day	_ 4. FOCUS I	INSTALLA	ATION CODE: SL	.C
5.	OBJE	CTIVES OF INSTALI	_ATION: <u>Control</u>	y Proc	eso de Archivo	s de Asegurados e
	Segu	ro de Vida y Da	ños; informaci	ón de V	<mark>entas; Proyecc</mark>	iones de Ventas;
						álculo y reportes
	<u>de</u> S	eguro Social, c	<u>álculos actuar</u>	iales d	e Seguro de Vi	da; etc.
						UTTICE OF USER
6.	HAR	DWARE (include vend	or symbol on non-C	DC Equip	ment):	AUG 25 1972
		ITRAL SITE:				ODOLED TWICON
	(1)	Mainframe(s)				GROUP LIAISON
		Model		Quantity		Core (K)
		3100		1		32
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model 3 200	Quantity 1	·	Model 604	Quantity 8
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		NO			405	1
				:		
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		<u>Model</u> 501	Quantity 1		Model NO	Quantity
				-		

FC	ocus -	8 INSTALLATION REPO	ORT Installation Code:		Page 2 of
6.	a. (8)	QSE(s) (Quote Special Equip	oment) Description		Quantity
			NO	to the state of th	
	(9)	Other Devices		- Additional Control of the Control	
			Description		Quantity
			NO		
	b. REM	IOTE SITE(S):			
	(1)	Computer(s)			
			Model NO		Quantity:
					ghide in the debelog de la collection de l Minimistra de la collection de
					**************************************
	(2)	Other Remote Devices			
			NO Description		Quantity
7.	HADD	WARE PROBLEMS	·		
•		WARE I ROBELING URRING HARDWARE PROBL	.EMS:		
		Device	No. of Occurrences	Natur	re of Failure
		BCD	(Or Rate of Occurrences)  1 CADA DOS MESES.	Pierde "li	lsta" y no lo
		MEMORIA	1 CADA MES.	Paridad.	
		PERFORADORA 415	1 CADA MES.		lón y Perfor <u>a</u>
				ción incom	mpleta.
					·

\_\_**X** Good

\_\_\_\_Fair

Poor

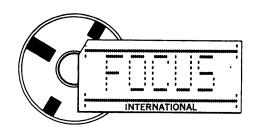
b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_Very Good

\_\_\_\_ Excellent

OCUS -	8 INSTALLATION REPORT	Installation Code:	Page 3 of
. SOFT	NARE SYSTEMS		
a. Curr	ent Operating SystemRTS	Latest Update Vers. 1-2	PSR No.
	ıl Modifications (Add additional descrip	si'm if decined as amounding	
b. Loca	ii wodifications (Add additional descrip	tion it desired, as appendix,	
	( ) ( )		
c. QSS (1)	(s) (Quote Special Software)  MONT—B Special Spoolin	g programa por <b>our</b> 3100	•
(2)		, , , , , , , , , , , , , , , , , , ,	
(3)			
(4)	\$00-44-5-5-10-10-10-10-10-10-10-10-10-10-10-10-10-		
d. Com	piler and Library Routines:		Summary or Local Modifications:
		40	
e. Curi	rent Problems and Comments:		
J. 54.			
	D. D. D. E.M.		
	WARE PROBLEMS		
a. Rec (1)	urring Software Problems: Operating System: MONT-B is i	n process of installati	.on•
(17	Operating System:		
(2)	Compilers and System Routines: Ot	it of sequence en Sort c	uando se lee /graba
(2)		Va DVÝNVIVO VII VVAL	
b. In y	our opinion, CDC's response to your so		_
	ExcellentVery Go	odGood _X Fair	Poor
c. Sys	tem Stability:		
	n time between hardware/software fail	ures <b>Una y dos semanas.</b>	
		tware failures Un mes hardware	/un año Software.

10.	OPERATIONS			
	a. Schedule:	From	То	Day of Week
	Preventive Maintenance	<u>. 7</u>	11	Lunes
		14	15	Martes, Jueves y
				Viernes.
		National Conference and Conference a	-	
	Systems Work			
				***************************************
	C. There are	. ********		
	Special Time Allotment			
	Production	11 am	4 am	Lunes-Martes
		9 am	3 am	Martes-Miércoles.
	Debugs			1 6 2 horas diarias.
		****		
		-		
	b. Job Scheduling: Describe your job so Se determina por e		len <b>d</b> ario (	de entrega de resultados
	Se determina por e	l horario y ca		de entrega de resultados
	Se determina por e	l horario y ca		
	Se determina por el los cuáles son sier	l horario y ca		
	Se determina por el los cuáles son sier c. Accounting Method:	l horario y ca		
	Se determina por el los cuáles son sier c. Accounting Method:	l horario y ca		
	Se determina por el los cuáles son sier  c. Accounting Method:  Charges based on:	l horario y ca		
	Se determina por el los cuáles son sier  c. Accounting Method:  Charges based on:  Billing algorithm:	l horario y ca		
1.	Se determina por el los cuáles son sier  c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe an	l horario y ca	t have not been	accounted for by the above categories:
1.	Se determina por el los cuáles son sier  c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe an Se está implantando	l horario y ca mpre impresos.	t have not been Contabil:	accounted for by the above categories:
1.	Se determina por el los cuáles son sier  c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe an	l horario y ca mpre impresos.	t have not been Contabil:	accounted for by the above categories:
1.	Se determina por el los cuáles son sier  c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe an Se está implantando	l horario y ca mpre impresos.	t have not been Contabil:	accounted for by the above categories:
	Se determina por el los cuáles son sier  c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe an Se está implantando	l horario y campre impresos.  Ty special problems that o el método de MONT-B).	t have not been Contabil:	accounted for by the above categories: idad, de acuerdo <b>a</b> nuest
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe an Se está implantando Sistema Spooling (M	l horario y campre impresos.  Ty special problems that o el método de MONT-B).	t have not been Contabil:	accounted for by the above categories: idad, de acuerdo <b>a</b> nuest
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe an Se está implantando Sistema Spooling (N	l horario y campre impresos.  Ty special problems that o el método de MONT-B).	t have not been Contabil:	accounted for by the above categories: idad, de acuerdo <b>a</b> nuest
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe an Se está implantando Sistema Spooling (N	I horario y campre impresos.  Ty special problems that o el método de MONT-B).	t have not been Contabil:	accounted for by the above categories: idad, de acuerdo a nuest

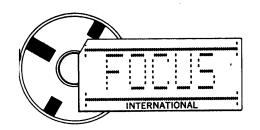


1.	CONT	ributing organiz	ration: SpoK	ane	Mining Re Installation Name Washingt	search Center
2.	FOC	JS CONTACT: Gea				
3.		:: 72/08/16 Yr. Mo. Day	- 1401110		ATION CODE: S	i itie *
5.	OBJE	center c	ATION: To oncerning y systems andling	a 55 5 , _ m d	sist engin tructural athematical display	designing modeling
6.		OWARE (include vendor ITRAL SITE: Mainframe(s) Model 3200 ~ A 15		OC Equip		Utrice OF USER  AUG 17 1972  GROUP LIAISON  Core (K)
	(2)	Console(s)  Model  3192-B08  3201-B01	Quantity	(3)	Tape Transport(s)  Model	Quantity 2
	(4)	Disk(s)  Model  854-A12	Quantity <b>2</b>	(5)	Card Reader(s)  Model  Cos - A 15	Quantity
	(6)	Line Printer(s)  Model  501-C12	Quantity L	(7)	Data Cell(s)  Model	Quantity

(8) QSE(s) (Quote Special Equip	Description	Owensie
	Description	Quantity
	entral de la companie	
and the second section of the section of t		and the second s
(9) Other Devices		
Paper Tape	Read / Punch State	Quantity  1
Calcomp Dy	um Plotter	1
3293 - Plo	ter Controller	<u> </u>
REMOTE SITE(S):		
(1) Computer(s)		
(1) Compater (s)	Model	Quantity
2) Other Remote Devices	Description	Quantity
	Description	Quantity
`		
DDW4 DE 20001 5140		
RDWARE PROBLEMS RECURRING HARDWARE PROBL	EMS.	
Device	No. of Occurrences	Nature of Failure
Management deleteration	(Or Rate of Occurrences)	
	· -	
	<del></del>	
	· <u>-</u>	
<del>dagle on y gave some one or gave to the sold of the s</del>	ALL COMPANIES AND	
	our hardware request(s) has been:	

3.	•••	IARE SYSTEMS  nt Operating System MSOS 4.2 Latest	Update June 72 PSR No. 254
	b. Local	Modifications (Add additional description if desired  Accounting 5ystems  Binary read on paper Tape  Background Plot youtine	, as appendix)
	c. QSS((1) (1) (2) (3) (4)	Calcomp Plotting Calcomp Contour	Package - Coeneral
	d. Com	piler and Library Routines:  MS Fortrac	Updated through PSR Summary or Local Modifications:
		Ansi Fortran	254
		MS CoboL	259
		Δ 1 1	254
		ALGOL SIPP, BSIPP, MS SORT, MS UTILITY, UTILITY,	
		MC UTILITY UTILITY	• •
		LISA, Saint	10
	e. Curr	ent Problems and Comments:	
9.	SOFT	NARE PROBLEMS	
	a. Recu	urring Software Problems:	
	(1)	Operating System:	
	(2)	Compilers and System Routines:	
	b. In ye	our opinion, CDC's response to your software requeExcellentVery Good	
	•	em Stability:	ma the
		n time between hardware/software failures	
	Lon	gest time period between hardware 'software failure	TVYOUTLS

0.	OPERATIONS			
	a. Schedule:	From	То	Day of Week
	Preventive Maintenance	6:00 a.m	8:00 a.m	Monday & Friday
		600 a.m	10:00 a.m	Wednesday
		***		
	Systems Work	×	ts <u>n</u> ee	-ded
	Special Time Allotment	3:00 pim	6:00 A.	m-F
	•			Scheduled Long
				Tobs.
		<u> </u>		
	Production	3:30	3:00	Monday, Friday
		10:80	3:00	Tues, Thors.
	•	10.00	3:00	wed nes day
	Debugs			
	200033			
		***	***	
	advance and		-3 hes	ill no short jobs then are scheduled in to 6:00 p.m slat.
	c. Accounting Method:	1	., 1 1	
	Charges based on: CPU	and w		time (for plotting)
	Billing algorithm:	hR. CPU	- plus	40. hr. wall clack
1.	SPECIAL PROBLEMS: Describe any	special problems t	hat have not been a	Plo accounted for by the above categories
_	FUTURE DE ANIO			
2.	FUTURE PLANS: Describe any future	re implementations	to your current co	1
	a. Hardware: Dedicated	1	me cha	unel to accept data
	02 1	tem's S	ignals.	
	b. Software: Priority fro	gram to	handl	e (a),
		-		



1.	CONT	RIBUTING ORGANIZAT	10N: 50	OUTHER	J METNODIST	UNIVERSIM	_
		DACLAS			7-EXAS		
		City			Stat		
2.	FOCL	IS CONTACT: $\sqrt{i}$	W. NOY	<u>'E Z</u>	UIRECTUIL	Composition,	LAB.
3.		: 74 8 / 7/ Yr. Mo. Day				SmU	
5.	OBJE	CTIVES OF INSTALLATION	ON:				
		EDUCATI	00 A00	RESE	= NICH		-
				····	ULF	ICE OF USER	-
					SEF	1 1 1972	·
6	HARE	DWARE (include vendor sy	mhol on non-	CDC Equip	ment): GRO	UP LIAISON	
0.		TRAL SITE:	INDOI ON NON-	CDC Equip	menty.		
	(1)	Mainframe(s)					
		Model		Quantity		Core (K)	
		(4Ber 72-13	•			4814	_
-		COC 1604				3216	
							_
	(2)	Console(s)		(3)	Tape Transport(s)		
	(2)	Model	Quantity	(0)	Model	Quantity	
		Model	Contract		657	2	
					657	1	
				<del></del>	607	8	_
	(4)	Disk(s)		(5)	Card Reader(s)		
		Model	Quantity		Model	Quantity	
		<u> </u>	. 1		415		_
		254	3		088		
		852	5				
	(6)	Line Printer(s)		(7)	Data Cell(s)	•	
		Model	Quantity		Model	Quantity	
		501	,			The state of the s	
		16(2	(	-	And a column to the column to		

FOCUS -	- 8 INSTALLATION REPORT	Installation Code:	Sm	Page2_of
6. a. (8)	QSE(s) (Quote Special Equipment)			
	Des	scription		Quantity
			·	
				·
(9)	Other Devices	•		
	Des	cription		Quantity
L DEA	MOTE SITE(S):			
D. NEI	Computer(s)			
(17		lodel .		Quantity
	<u></u>			Quantity
			-	
(2)	Other Remote Devices			
	Desc	cription		Quantity
	No. of the last of			
7. HARD	WARE PROBLEMS			
a. REC	URRING HARDWARE PROBLEMS:			
	Device	No. of Occurrences (Or Rate of Occurrences)	Nature	of Failure
		(O) Hate Of Occurrences/		
			Name and the same	
			-	
<b>L</b> 1	our opinion CDC/s asset			
D. IN YO	our opinion, CDC's response to your hard	aware request(s) has been:		

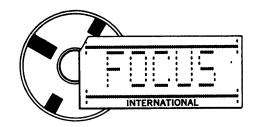
.... Good

.....Poor

\_\_ Excellent

. Curr	ent Operating System	<u> </u>	atest Update	PSR No.
. Loca	il Modifications (Add addi	tional description if de	esired, as appendix)	
. QSS	(s) (Quote Special Softwa	are)		
(1)				
(2)		·		
(3)				
(4)				
d. Com	piler and Library Routine	s:	Updated through	PSR Summary or Local Modifica
	***			
				·
e. Curi	rent Problems and Comme	ents:		
SOFT	WARE PROBLEMS			
a. Rec	urring Software Problems:	:		
(1)	Operating System:			
(2)	Compilers and System F	Routines:		
	0001		aquast(s) has been	
p. In y	our opinion, CDC's respon		equest(s) has been:Good	FairPoor
	EXCEILENT	vory 0000		

_	CUS - 8 INSTALLATION REPORT	Installatio			
	OPERATIONS				
	a. Schedule:	From	То	Da	y of Week
	Preventive Maintenance				
	-				
	-				
	Systems Work			***************************************	·
	· · · · · · · · · · · · · · · · · · ·			<del></del>	· · · · · · · · · · · · · · · · · · ·
	-				
	Special Time Allotment _				
	openial time Anothlett				
	_			1	
	Production _				
	-				
	-				
					***
	Debugs _				
	- -	· · · · · · · · · · · · · · · · · · ·	Consequence of the Consequence of State Consequence		
	b. Job Scheduling: Describe your job schedu	ling algorithm			
	b. Job Scheduling: Describe your job schedu	ling algorithm			
	b. Job Scheduling: Describe your job schedul	ling algorithm			
	c. Accounting Method:				
	c. Accounting Method: Charges based on:				
	c. Accounting Method: Charges based on:				
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any spe	cial problems t	hat have not been		
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any spe	cial problems t	hat have not been	accounted for by	
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any spe	cial problems t	nat have not been	accounted for by	
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any spe	cial problems t	nat have not been	accounted for by	
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any spe	cial problems t	to your current c	accounted for by	
	c. Accounting Method: Charges based on: Billing algorithm: SPECIAL PROBLEMS: Describe any spe	cial problems t	to your current c	accounted for by onfiguration:	



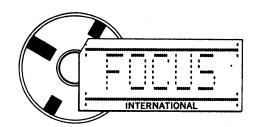
BJE	:: <u>72/8/</u> 8 Yr. Mo. Day CTIVES OF INSTALLAT			ATION CODE:	SSCE
		ION: TO			
- 1	D Administr				
<u>ග</u> ත	D Administr JECTIVES OF T	he UNTUE	15779	·	
			<del></del>		
					UITICE OF USER
	DWARE (include vendor s	ymbol on non-CD	C Equip	ment):	AUG 25 1972
CEN (1)	ITRAL SITE:  Mainframe(s)				GROUP LIAISON
117	Model	(	Quantity		Core (K)
	3150				32
(2)	Console(s)  Model  1164	Quantity	(3)	Tape Transport(s)  Model  68	Quantity
(4)	Disk(s)		(5)	Card Reader(s)	
	Model	Quantity		Model	Quantity
	854	4	·		
(6)	Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity
(6)		Quantity	(7)		Quantity

8)	QSE(s) (Quote Special Equip	oment)		
	and a special action	Description	Quantity	
9}	Other Devices			
	22/1	Description 0.77	Quantity	
		COMM. CTLR.		
EM I)	OTE SITE(S):  Computer(s)			
''	Combars. (2)	Model	Outside	
		WOOLE	Quantity	
2)	Other Remote Devices			-
•		Description	Quantity	
RDV	VARE PROBLEMS			
ECL	IRRING HARDWARE PROBL	EMS:		
	Device	No. of Occurrences	Nature of Failure	
	Disk	120, 15 Trees	irrecoverable Disk	en
٠			in middle of long	Jo
			(we usually change	
			in middle of long (we usually change and/or drives and	he
	Annual Control of the			

Installation Code:

Page 3 of

a. 30	chedule:	From	То	Day of Week
	Preventive Maintenance	6:00 AM	8:10 AND	Tues
		6:00 Ary	8:01A19	Toher.
		***		
	Customa Wards	tra fac	04 4 4	late of the
	Systems Work	4:00 A19	8:01 A19	Wednesday.
	0 1171 411			
	Special Time Allotment	<u>9:00</u>	1400	MON-Fri.
		1900	2000	5
	Production			Usually afternoon
				+ evenings to 10.
	Debugs			25 possible to fo
		*		in execut for To
				porty Jobs.
c. Ac	counting Method:			
	Charges based on:	ed Time		
	Billing algorithm:			
SPEC	Billing algorithm:	<del></del>		
SPEC	Billing algorithm:	<del></del>		
SPEC	Billing algorithm:	<del></del>		
SPEC	Billing algorithm:	<del></del>		
	Billing algorithm:	y special problems tl	nat have not been	accounted for by the above categorie
FUT	Billing algorithm:  CIAL PROBLEMS: Describe an  CIAL PROBLEMS: Describe any fut	y special problems the special	nat have not been	accounted for by the above categorie
FUT	Billing algorithm:	y special problems the special	nat have not been	accounted for by the above categorie
FUT!	Billing algorithm:  CIAL PROBLEMS: Describe an  URE PLANS: Describe any fut rdware: 604 70	y special problems the special	to your current c	accounted for by the above categorie
FUTI	Billing algorithm:  CIAL PROBLEMS: Describe an  CIAL PROBLEMS: Describe any fut	y special problems the special	to your current c	accounted for by the above categorie



1.	CON	TRIBUTING ORGANI	ZATION: State	ns Vatte	nfallsverk	
	Stoc	kholm			Installation Na	<sup>me</sup> Sweden
	2000	City				State
2.	FOC	US CONTACT: Beng	t Rudfeldt			Mr.
			Name			Title
3.	DATE	E: <u>72 / 08 / 25</u> Yr. Mo. Day	4. FOCUS	INSTALL	ATION CODE:	SV
		CTIVES OF INSTALL	ATION:			
		ersial and techn		lication	8	
•						
						UFFICE OF USER
						AUG 29 1972
6.	HAR	DWARE (include vendo	r symbol on non-	CDC Equip	ment):	• *
		NTRAL SITE:				GROUP LIAISON
	(1)	Mainframe(s)				
		Model		Quantity		Core (K)
		CD 3500		1	171	
		_00//00			131	V
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
		TY (IBM)	1		CD604	6
				<del></del>		
						•
		***************************************		*		
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity	,-,	Model	Quantity
		CD 841-4	2		CD405	1
				<del></del>		
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		Model	Quantity	7	Model	Quantity
		CD 512	2		- TOUC!	Zuantity
		),	<b>6</b>	<del>**********</del>		

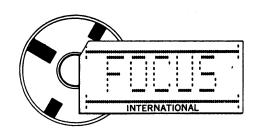
FOCUS -	8 INSTALLATION F	REPORT Installation Code: SV	Page 2 o
6. a. (8)	QSE(s) (Quote Special E	quipment)	
		Description	Quantity
	Paper Tape read		1
	Punc		1
	Plotter Calcomp	565	1
(9)	Other Devices		
		Description	Quantity
	Card punch	CD 415	1
	Drum	CD 863	1
(1)	Computer(s)	<u>Model</u>	Quantity
(2)	Other Remote Devices		
	CD771 10 I	Description	Quantity
		speed Batch Terminal	5
•	TE 308 SH Oliv	etti Terminals	9
	WARE PROBLEMS N	o complete statistic availabl OBLEMS:	<b>e</b>
	Device	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure

		*				
-						
h in vou	ir oninion CDC's resi	onse to your hardware	request(s) has bee	n:		
D. III you	ii opiiiioii, coo i resp	Jonise to your marariane	roquestis, mus bec	••••		
	Excellent	Very Good	X Cood	Enic	Poor	
-	Excellent	very Good	G000			

a	. Curre	ent Operating System MASTER	R 3.2 Late	est Update PSR No. 23	5+
ŧ	o. Loca	I Modifications (Add additional c	description if desi	red, as appendix)	
		MASTER NEWS, NEW OC	CCOUNTING	CTO, AUTOMATIC OPEN OF	
		PAGE, TEXT-CARD, JO	OB CPU-	LIBRARY LOCATE FOR FTNU	
		REQUEST, TIME ON AN	ND SEQUENCE		
		NUMBERS ON			
•	c. QSS(	s) (Quote Special Software)			
	(1)	APACE-III			
	(2)	MARS-III			
	(3)				
	(4)				
,	d. Com	piler and Library Routines:		Updated through PSR Summary or Local M	odificat
		ALGOL	1,2	235	
		COBOL		235	
		ANSICOBOL		235+	
		FORTRAN	3.2		
		ANSIFORTRAN	2.1	235	
		and the second s			
	e. Curr	ent Problems and Comments:			
	SOFT	WARE PROBLEMS			
	a. Recu	urring Software Problems:			
	(1)	Operating System:			
	(2)	Compilers and System Routine	es: The de	rated version of BUFFER in FI	NU
		(Compared to FTN)	causes a mu	ch longer running time for e.	g.
		APACE.			
	b. In y	our opinion, CDC's response to y			
		Vecellent	ery Good3	C Good Fair Poor	
		em Stability: No complete		• • • • •	

316

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

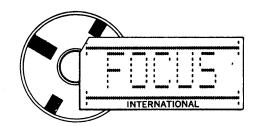


1.	CONT	RIBUTING ORGANIZA	ATION: TEC	HNICAL	- Auvis	oirs, Inc
	U	DA YNE City			Installation Nam	48184
		City	1			State
2.	FOCL	S CONTACT: TOM	Weyn	ND	<u> </u>	Pres.
3.	DATE	: 721 8 19	4. FOCUS	INSTALLA	ATION CODE:	·CAI
5.	OBJE	CTIVES OF INSTALLA	TION: Time	=-SH4	e( v 6 +	Computer
	6-12	EPHICS F	ooz La	4 N W	SURVEYOU	25 & CIVIL
	EN	sineers.				
					A	
6	HARD	WARE (include vendor	symbol on non-C	DC Equip	mant):	Utrice of User
٥.		TRAL SITE:	symbol on non-c	DO Equip	money.	AUG 11 1972
	(1)	Mainframe(s)				
	•••	Model		Quantity		GROUP LIAISON Core (K)
		RPC-4000		T		8
		VARIAN 620I	-	2		8 4NO 12
		The too				
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity		Model	Quantity
		<u>ASQ-33</u> <u>ASR-35</u>				
		438-38	<u> </u>			
				<del></del>	**************************************	
	(4)	Disk(s)		(5)	Card Reader(s)	
	•••	Model	Quantity	,,,,	Model	Quantity
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		Model	Quantity		Model	Quantity
		DATA PRODUCTS	<u></u>	grand grand, grand grand and	MATERIAL AND THE STATE OF THE S	
				-		

. (8)	QSE(s) (Quoté Special Equipmen	nt)	
		Description	Quantity
(9)	Other Devices		
(3)		Description	Quantity
. REN	OTE SITE(S):		
(1)	Computer(s)		
	IBM 1130	Model	Quantity
(2)	Other Remote Devices		
	45R-33	Description	Quantity
	_A3 (0- ))		225
ARD	WARE PROBLEMS		
REC	JRRING HARDWARE PROBLEMS	<b>S</b> :	
	Device	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
	·		
ln vo	ur opinion, CDC's response to your	hardware request(s) has been	

a. Cu	urrent Operating System	Latest Update	PSR No
b. Lo	ocal Modifications (Add additional description	on if desired, as appendix)	
,			
	SS(s) (Quote Special Software)		
(1			
(3			
(4	)		
d. Co	ompiler and Library Routines:	Updated through	PSR Summary or Local Modification
e. Cı	urrent Problems and Comments:		
	-		
SOF	TWARE PROBLEMS		
	ecurring Software Problems:		
(1	) Operating System:		
(2	Compilers and System Routines:		
b. in	your opinion, CDC's response to your softw	•	
	Excellent Very Good	SING GOOD	Fair Poor SOFT-CARE
c. Sy	stem Stability:		

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append



DATE: 72/08/13  Yr. Mo. Day  OBJECTIVES OF INSTAIL  and Program		NSTALLATION CODE:	perations for all
depart men			npan
HARDWARE (include ven	dor symbol on non-Cl	OC Equipment):	Urrica OF USER
a. CENTRAL SITE: (1) Mainframe(s)			
CDC 310		Quantity	GROUP LIAISON  Core (K)
			2-N
(2) Console(s)		(3) Tape Transport(s)	
16n Gelecti	Quantity	<u> </u>	Quantity
(4) Disk(s)		(5) Card Reader(s)	
Model	Quantity	Model	Quantity
		403	
		(7) Data Cell(s)	
(6) Line Printer(s)			

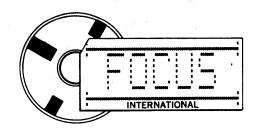
	Description	Quantity
(9) Other Devices	Description	Oversity
CDC 415	card Punch	Quantity
Calcomp 12	card funch inch flot ter D to A squipm	
Atto Dand	D to A squipm	et
REMOTE SITE(S):		
(1) Computer(s)		
	Model	Quantity
2) Other Remote Devices		
27 Other Hemote Devices	Description	Quantity
RDWARE PROBLEMS	CAAC	
RECURRING HARDWARE PROBL Device	No. of Occurrences	Nature of Failure
Tape Units	(Or Rate of Occurrences)	Tane wit bail
1.7. 2.41.	ger week	to discourse
		from task to I
		in program.
		often fails to de
		minutes.
	your hardware request(s) has been:	
Excellent		Fair Poor
		intenance but

1	b. Loca	al Modifications (Add additional description if de	sired, as appendix)
J	de	Accounting Koutin	16
	· 099	i(s) (Quote Special Software)	
	(1)		
	(2)		
	(3)		
	(4)		
•	d. Com	npiler and Library Routines:	Updated through PSR Summary or Local Modification
		FORTRAN	
		COMPAC C	
		all standard EPC)	
	ĺ	math + utility	
	·	- rouling	
•	e. Curr	rent Problems and Comments:	
5	SOFT	WARE PROBLEMS	
ā	ı. Recu	urring Software Problems:	
	(1)	Operating System:	
	(2)	Compilers and System Routines:	
ŧ	. In yo	our opinion, CDC's response to your software rec	
		Excellent Very Good	Good Fair Poor

	Preventive Maintenance	8 am		
			10am	
	Systems Work			as mudel
	Special Time Allotment	47-2004 dade-day-array		More
	Production	8am 5pm	5 pm	monday - Friday
		Spm	iopm	therline as need
	Debugs			done in elyertan
				eff Contin
b. Job S	Scheduling: Describe your job so  Payroll S  [rum about 3 h  rum as ne	ystem &	the job	Apress runs are
s Acco	unting Method:		<u> </u>	
J. 71555	Charges based on: Total	time job	is ling	run (Sequence and to E.
	Billing algorithm: Rate	rom) * #	of house	charge number was an
SPECIA	AL PROBLEMS: Describe a	billed mo ny special problems	that have not beer	accounted for by the above categories:
	4			
FUTU	REPLANS: Describe any fut ware: Disk Lik	ture implementation	s to your current	configuration:
a. Hard	7			

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

additional numbered pages.



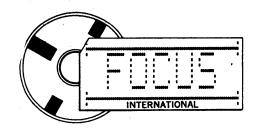
1.	CONT A(7	RIBUTING ORGANIZ	ATION: 443	TTS	Installation Name  OKLA	AW
		J,			<b></b>	
		JS CONTACT: 55gt				
3.	DATE	: / / Yr. Mo. Day	4. FOCUS IN	451ALLA	ATION CODE: 7	/ 55
5.	OBJEC Creu	CTIVES OF INSTALLA	ation: <u>Provide</u> and c-s	trai aire	nsition training	ng for flight
6.		OWARE (include vendo	r symbol on non-CD	C Equip	ment):	Urrice of User AUG 25 197
	(1)	Mainframe(s)				
		Model		Quantity		GROUP LIAISON
		924			5/N4 - /	6K, 5/N5 32K 4-32K
		SEL 840			J-94 K	7-348
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Quantity	_(SEL	Model 707	Quantity 2
	(4)	Disk(s)  Model	Quantity	(5)	Card Reader(s)  Model	Quantity
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		<u>Model</u>	Quantity		Model	Quantity
				pt-480,0		

, 003	8 INSTALLATION REPORT Installation Code:	Page 2 of
a. (8)	QSE(s) (Quote Special Equipment)	
	Description	Quantity
	Curtiss-aright Ilo	/
	Link - I/o	2
	Curtiss-aright I/O Link - I/O Conductron - I/O	<u> </u>
<b>*</b>		
(9)	Other Devices	
	Description	Quantity
b. REM	OTE SITE(S):	
(1)	Computer(s)	
	Model	Quantity
(0)	Other Day of Day	
(2)	Other Remote Devices	•
	Description	Quantity
HARD	WARE PROBLEMS	
a. RECI	JRRING HARDWARE PROBLEMS:	
	Device No. of Occurrences	Nature of Failure
	no specific recurring failures on a	my CPC equipm
	——————————————————————————————————————	
	<u> </u>	
b. In yo	ur opinion, CDC's response to your hardware request(s) has been:	IA
	ExcellentVery Good Good Fair	Poor

ocus -	8 INSTALLATION REPORT	Installation Code:	Page 3 of
	NARE SYSTEMS WARE SYSTEMS	Latest Update	PSR No.
b. Loca	Il Modifications (Add additional descript	ion if desired, as appendix)	
c. QSS	(s) (Quote Special Software)		
(1)			
(2) (3)			
(4)			
d. Com	piler and Library Routines: FORTRAN fon SEL 84	Updated through PS	SR Summary or Local Modification
e. Cur	rent Problems and Comments:		
COET			
	WARE PROBLEMS urring Software Problems:		
(1)	Operating System:		
(2)	Compilers and System Routines:		
b. In y	our opinion, CDC's response to your so	ftware request(s) has been: ${\cal N}$	//A
	ExcellentVery Goo	odFa	PoorPoor
	tem Stability:		
	in time between hardware/software failu igest time period between hardware/soft	res L Weeks	

10.	OPERATIONS				
	a. Schedule:		From	To	Day of Week
	Preventive Maintenance		0200	0600	darfy
			-		
	1. 0.1.				
	Simulation of Systems Work Activates		0600	0200	daify
	Systems Work				
	Arragi.				***************************************
	Special Time Alletment			***************************************	
	The state of the s				
	Production		*****		
				-	
				***************************************	
	Debugs				
	b. Job Scheduling: Describe your jo	b sched	luling algorithm	MA	
	c. Accounting Method:  Charges based on:  Billing algorithm:	<u>//</u> A			
11.	SPECIAL PROBLEMS: Describ	e any sp	pecial problems	that have not been	accounted for by the above categories:
	FUTURE PLANS: Describe any a. Hardware:	and the second second			
	b. Software:				
13.	ADDITIONAL COMMENTS:	For Ad	ditional Comm	ents and/or System	Organization Chart(s), append

additional numbered pages.



1.	CONT	RIBUTING ORGANI	ZATION: Univ. o	f Ark	ansas Medical	Center	
	т 2	!##] - D1-			Installation Name		
		ttle Rock City			Arkansas St	ate	
2.	FOCU	IS CONTACT: Jero	ome D. Blackbu	rn	Computing	Facility Director	
3.		: 72 / 8 / 10 Yr. Mo. Day			TION CODE: UA		
5.			ATION:1) Provi	de pr	ogramming and	computing servic	es
	for t	the business ap	oplications of	the	Univ. of Ark.	Medical Center.	
	2) Pr	covide computir	ng services fo	r sci	entific and r	research applicati	ons
						3) Provide comp	
	ing s	services for the	ne Migrant Stu	dent	Record Transf	er Systema	
	natio	onal system.					
6.		WARE (include vendo	or symbol on non-CD0	C Equip	ment):	UTTICE OF USER	
	a. CEN	TRAL SITE:					
	(1)	Mainframe(s)				AUG 16 1972	
		Model	<u>Q</u>	uantity		Core (K) GROUP LIAISON	
		3300		_1		81K	
	(2)	Console(s)		(3)	Tape Transport(s)		
		Model	Quantity		Model	Quantity	
		3304	1		657	6	
	(4)	Disk(s)		(5)	Card Reader(s)		
	,	Model	Quantity		Model	Quantity	
		841-5			405	1	
		821-2			512	2	
	<del>{</del> 6}	Line Printer(s)		(7)	Data Cell(s)		
	, - •	Model	Quantity		Model	Quantity	
		512	2			***************************************	
		0.1.2	<u> </u>		None		

#### 7. HARDWARE PROBLEMS

a. RECURRING HARDWARE PROBLEMS:

Device	No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
821	l time/day	drops ready
657	2 per day	parity errors
512	l time/week	mechanical and electronic
ur oninion CDC's response to	your hardware request(s) has been:	

b. In	your opinion, CDC's resp	onse to your hardware	request(s) has been	:		
	Excellent	Very Good	Good	X	Fair	Poor

FC	CUS - 8	INSTALLATION REPORT	Installation Code: UAMC	Page 3 of 4
8.		ARE SYSTEMS  of Operating System MASTER	Latest Update3.1	PSR No
		Modifications (Add additional descrip very minor	tion if desired, as appendix)	
	c. QSS(s			
	(2) (3) (4)			
	d. Comp	oiler and Library Routines: ANSI COBOL 2.0	·	Summary or Local Modification
			רי	.9
		MS COBOL ANSI FORTRAN 2.0	21	+3
	e. Curre	ent Problems and Comments:		
9		NARE PROBLEMS		
	a. Recu	rring Software Problems:		
	(1)		·	
	(2)			
	b. In yo	our opinion, CDC's response to your s		Poor
	c. Syste	em Stability:		
	Mea	n time between hardware/software fai	ures 3 CPU hc	urs
			ftware failures 6 CPU ho	ours

Schedule:	From	То	Day of Week
Preventive Maintenance	<u>6:00 AM</u>	10:00AM	Mon. & Fri.
Systems Work	4:00 PM	5:00 PM	Mon. thru Fri.
Special Time Allotment	unschedul 	.ed	
Production	10:00 AM 5:00 PM	4:00 PM 8:00 AM	Mon. & Fri.
	8:00 AM 5:00 PM	4:00 PM 8:00 AM	Tue, Wed. Thurs. Tue. Wed. Thurs.
Debugs	10:00 AM 1:00 PM	11:00 AM 2:00 PM	Mon. thru Fri. Mon. thru Fri.
		-	
. Job Scheduling: Describe your jol			331:
Production: S	Sliding priori		
Production: S Test: Under 5	Sliding priori	00 to 11:00	) AM and 1:00 to 2:00
Production: S Test: Under 5	Sliding priori	00 to 11:00	) AM and 1:00 to 2:00
Production: S Test: Under 5 Over 5  Accounting Method:	Sliding priori min -run 10: min first i	00 to 11:00 in, first ou	O AM and 1:00 to 2:00 l
Production: S  Test: Under 5  Over 5  Accounting Method: Charges based on: CPU ar	Sliding priori min -run 10: min first i	ne, job size	AM and 1:00 to 2:00 lat.  e, tape & disk rental,
Production: S Test: Under 5 Over 5  Accounting Method:	Sliding priori min -run 10: min first i	ne, job size	AM and 1:00 to 2:00 lat.  e, tape & disk rental,
Production: S  Test: Under 5  Over 5  Accounting Method:  Charges based on: CPU ar  Billing algorithm: CPUXQE	Sliding priori min -run 10: min first i	ne, job size	AM and 1:00 to 2:00 lat.  e, tape & disk rental,
Production: S  Test: Under 5  Over 5  Accounting Method: Charges based on: CPU ar Billing algorithm: CPUXQE	Sliding priori min -run 10: min first i	ne, job size	AM and 1:00 to 2:00 lat.  e, tape & disk rental, as scheduled
Production: S  Test: Under 5  Over 5  Accounting Method:  Charges based on: CPU ar  Billing algorithm: CPUXQE	Sliding priori min -run 10: min first i	ne, job size	AM and 1:00 to 2:00 lat.  e, tape & disk rental, as scheduled
Production: S  Test: Under 5  Over 5  Accounting Method:  Charges based on: CPU ar  Billing algorithm: CPUXQE	Sliding priori min -run 10: min first i	ne, job size	AM and 1:00 to 2:00 lat.  e, tape & disk rental, as scheduled
Production: S  Test: Under 5  Over 5  Accounting Method: Charges based on: CPU ar Billing algorithm: CPUXQE  PECIAL PROBLEMS: Describe None	Sliding priori min -run 10: min first i  nd channel tin P+CHXQP+setup+	ne, job size	e, tape & disk rental, so scheduled  counted for by the above categories:
Production: S Test: Under 5  Over 5  . Accounting Method:  Charges based on: CPU ar  Billing algorithm: CPUXQE  SPECIAL PROBLEMS: Describe  None	Sliding priori min -run 10: min first i  nd channel tin P+CHXQP+setup+	ne, job size	e, tape & disk rental, so scheduled  counted for by the above categories:
Production: S  Test: Under 5  Over 5  Accounting Method: Charges based on: CPU ar Billing algorithm: CPUXQE  PECIAL PROBLEMS: Describe  None	sliding priori min -run 10: min first i  nd channel tin P+CHXQP+setup+	ne, job size	e, tape & disk rental, so scheduled  counted for by the above categories:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

additional numbered pages.

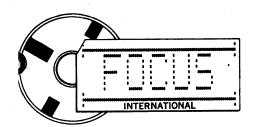


Buile FOCL DATE OBJEC	RIBUTING ORGANIZE  Sung 359 Aberden  City  S CONTACT: De  : 721 8 131  Yr. Mo. Day  CTIVES OF INSTALLA  e computations	en Troving Graum enald O. Egner Name 4. FOCUS IN ATION: Perfo	STALLA	Maryl Operations ATION CODE: Cientific and	and State  Research Ana Title  UARO  engineering
an	d Sevelopme	I Tosks			7,
					Urrice OF USER
	WARE (include vendo	r symbol on non-CD	C Equip	ment):	SEP 1 1 1972
a. CEN (1)	TRAL SITE:  Mainframe(s)				GROUP LIAISON
(17	Model		Quantity	Core (K)	
	LGP 21		/		4
(2)	Console(s)		(3)	Tape Transport(s)	
	Model	Quantity		<u>Model</u>	Quantity /
(4)	Disk(s)  Model	Quantity	(5)	Card Reader(s)  Model	Quantity
(6)	Line Printer(s)		(7)	Data Cell(s)	
	Model	Quantity		Model	Quantity
	Model	Quantity		wodei	Quant

		Description		Quantity
-				
-				
(9) C	Other Devices			
		Description		Quantity
_				
b. REMOT	TE SITE(S):			
(1) C	omputer(s)			
		Model		Quantity
_				
(2) O <sub>1</sub>	ther Remote Devices			
_		Description		Quantity
	ARE PROBLEMS			
RECURI	RING HARDWARE PROBL			
	Device	No. of Occurrences (Or Rate of Occurrences)	. <u>f</u>	Nature of Failure
			-	
·				

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

b. Software:



1.	CONT	NTRIBUTING ORGANIZATION: Union Carbide C			e Corporation Nuclear Division		
	Oa	k Ridge				essee	
2.		City	. Tannert		Superintend		ata Systems
3.	DATE	: 72 / 08 / 22 Yr. Mo. Day	Name 4. FOCUS IN	ISTALLA	ATION CODE:	Title UCND	
5.	OBJE	Yr. Mo. Day CTIVES OF INSTALL	ATION: Manufa	cture of	f nuclear weapo	ns.	
							UFFICE OF USER
							AUG 3 1 1972
6.	a. CEN	DWARE (include vendo	r symbol on non-CD	C Equip	ment):		GROUP LIAISON
	(1)	Mainframe(s)  Model	(	Quantity		Core	(K)
		3300				80	
	(2)	Console(s)  Model  3301	Quantity ]	(3)	Tape Transport(s)  Model  604		Quantity 6
	(4)	Disk(s)  Model  854	Quantity 5	(5)	Card Reader(s)  Model  405		Quantity 1
	(6)	Line Printer(s)  Model  512	Quantity 2	(7)	Data Cell(s)  Model		Quantity

\_X Good

Poor

Fair

b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_Very Good

\_\_\_\_Excellent

0	CUS -	8 INSTALLATION REPORT Installation Code: UCND Page 3 of 5
•	•••	VARE SYSTEMS Int Operating System MASTER/3.0 Latest Update Se le cted: June '72 PSR No. Se le cted thru 211
	b. Loca	Modifications (Add additional description if desired, as appendix) *EST - type time of task initiation plus task name to console
		TABLES - Y-12 phase 1 inputs to suit configuration  OPCOMPAK - code added for Data Collection System
		Terminator, Suspend – code added to clear core after task leaves it
		ULOG - shortened tape logging message to console
	c. QSS	s) (Quote Special Software)
	(1)	PT3691 - paper tape driver/executive (3691) v/1.0
	(2)	On-Line Diagnostics - MSE (disk test) borrowed from MASTER/3.1 also, mag tape,
	(3)	printer tests.
	(4)	
	d. Com	piler and Library Routines:  Updated through PSR Summary or Local Modifications:  applications
		UCBLABEL - modified label error message to console
		CBL - TABLSIZE = 1 to double table area
		CBLOPENT - bypass mag. tape logging message - not needed
		LICAL ODENIT human man tang logging message
		SORT, TSRT - increased max. record size to 8191, BDP = 3312A; increased SCMNSIZE
		Continued on Page 5.
	e. Curr	ent Problems and Comments: Currently in process of installation of MASTER/3.2 system.
		Currently in process of installation of WASTERY 0.2 System.
<b>a</b>	SOFT	WARE PROBLEMS
٠.		urring Software Problems:
	(1)	Operating System: End of input file pointer changed - cards in a job not processed but no
	. ,.,	error message given: condition cleared by autoload.
	(2)	Compilers and System Routines: EOF file size error: not sure if hardware or software is culprit; problems over a year.
	b. In y	our opinion, CDC's response to your software request(s) has been:Excellent Very Good Fair Poor
	c. Syst	n time between hardware/software failures
	WICE	

Longest time period between hardware software failures 21 days (last 12 months)

a. Sct	nedule:	From	То	Day of Week
	Preventive Maintenance	<u>5 p.m.</u>		Monday
		<u>5 p.m.</u>	9 p.m.	Thursday
		<u>Peripher</u> als	s p <u>.m.'ed o</u> n-li	ine
	Systems Work	As required	d - usually Satu	ırday
	Special Time Allotment	None		
	Production	All other t	ime	
	Debugs	Intermingle	ed with product	ion
	-			
b. Joł	b Scheduling: Describe your job s No special alaorithm			
b. Jol	_			
	No special algorithm			
	No special algorithm  counting Method: Charges based on:  Over	head to Plant.	No billing is d	one.
	No special algorithm	head to Plant.	No billing is d	one.
c. Ac	No special algorithm  counting Method: Charges based on: Billing algorithm:	head to Plant.	No billing is d	one.
c. Ac	No special algorithm  counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe a	head to Plant.	No billing is d	one.
c. Ac	No special algorithm  counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe a	head to Plant.	No billing is d	one.
c. Ac	No special algorithm  counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe a None	head to Plant.	No billing is d	one . accounted for by the above catego
s. Ac	No special algorithm  counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe a	head to Plant.	No billing is d	one . accounted for by the above catego
s. Ac	No special algorithm  counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe a None  URE PLANS: Describe any for	head to Plant.	No billing is d	one . accounted for by the above catego

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages. See Page 5 for continuation of 8.d.

#### 8.d. Compiler and Library Routines (continued)

PRGE, TRGE: messages sent to printer sent to console also, as follows:

INTERPHASE RECORD COUNTS DO NOT AGREE RECD EXTENDS PAST END OF BLOCK

LIBPROC - EOA check on READ in 'READMT' routine added. Without this check abort occurs when EOF = EOA.

COSYTAB - MASTER/3.2 version installed on v/3.0 library.

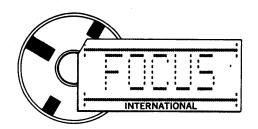
TABLES, OPNU, OSEG - code added to accommodate the inclusion of 3691 paper tape reader/punch into the system.

#### Current PSR level of compilers/assemblers:

ANS COBOL/2.0 - PSR 178 + selected thru 203
ANS FORTRAN/2.0 - Release level
COMPASS - PSR 203 + 208\*4766
META - PSR 178 + 179\*5266
Mass Storage FORTRAN - deleted from library
Mass Storage COBOL - PSR 173 + 187\*4880, 181\*5283

#### Current PSR level of Library Routines:

MS SORT - PSR 235
Tape SORT MERGE - PSR 211 + selected thru 235
\*FMU - PSR 211
\*DEF - PSR 178
GLIB - PSR 203
SYSGEN - PSR 173 + selected thru 203
CUP - PSR 195
COSY - PSR 173



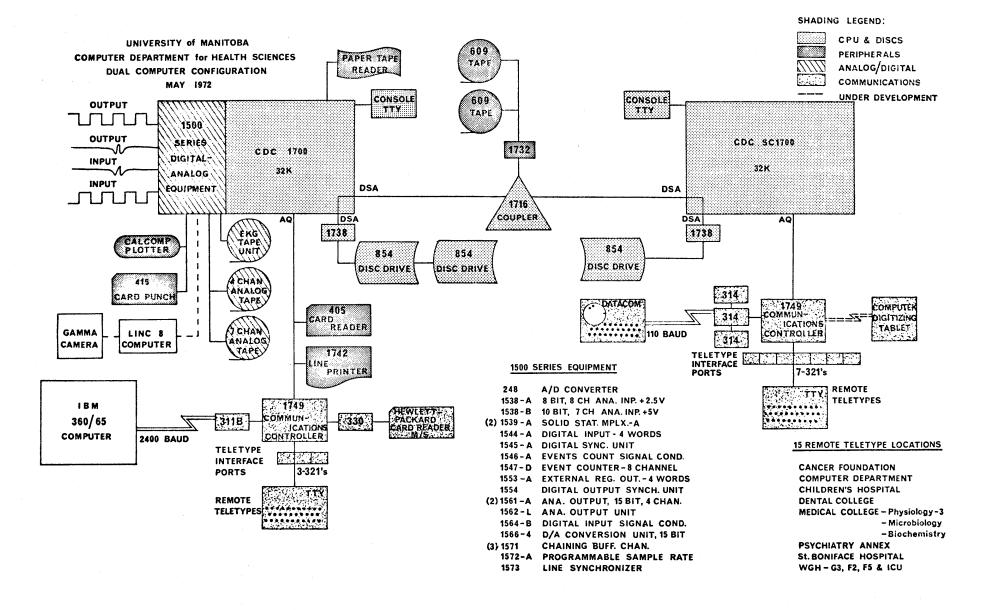
1.	CONT	RIBUTING ORGANIZ	ATION: Univers	sity	of Manitoba	, Computer Dept. i	or
		Winnipeg			Installation N Manitoba	ameHealth Sciences	
		City			Manitoba	State	
2.	FOC	JS CONTACT:	D. J. PROTTI		Assista	nt Director	
3.	DATE	:: 72/ 08 / 17 Yr. Mo. Day		STALL	ATION CODE:	Title UMAN	
5.						al service system	handles
	1)	on-line, con	versational, 2	2) re	al-time sig	nal processing	
	3)	local 1700 ba			mote 360 ba		
	fo	r faculties of	medicine, and	d den	tistry and	five related hospi	tals.
6.	HARD	DWARE (include vendo	r symbol on non-CD0	C Equip	ment):	OFFICE OF USER	
		TRAL SITE:	,			AUG 24 1972	
	(1)	Mainframe(s)				GROUP LIAISON	
		Model	<u>0</u>	uantity		Core (K)	
		1700		1		3216	
		SC1700		1		3216	
	(2)	Console(s)		(3)	Tape Transport(s)		
		Model	Quantity		Model	Quantity	
		1713	1	<del></del>	609	2	
				<del></del>			
	(4)	Disk(s)		(5)	Card Reader(s)		
		Model	Quantity		Model	Quantity	
		854	4	_	405	1	
				_			
			- N	_	-		
	(6)	Line Printer(s)		(7)	Data Cell(s)		
		Model	Quantity		Model	Quantity	
		1742	1	~	villale and the second		
				-			

	Device		No. of Occurrences (Or Rate of Occurrences)		Nature of Fail	ure
-						
_						
					<u></u>	
-						
					,	
						.,
b. In your	opinion, CDC's respo	nse to your hardy	vare request(s) has been	1:		÷
_	Excellent	Very Goo	d <u>X</u> Good	Fair	Poor	

	-8 INSTALLATION	N KLF OK	Installation Code:	Page 3 of
. SOF	TWARE SYSTEMS			
a. Cu	urrent Operating System _	2.1	Latest Update	PSR No. 60
b. Lo	cal Modifications (Add add Extensive	ditional description		
				1.
				<u> </u>
c. Q:	SS(s) (Quote Special Soft)			
(1)	)			
(2)	)			
(3)	)			
(4)	)			
d. Co	ompiler and Library Routin  2.0A Fortrar		Updated through PS	R Summary or Local Modification
			· · · · · · · · · · · · · · · · · · ·	
	-			
e. Cu	irrent Problems and Comm Large portic		operating system	have been modified
e. Cu	Large portion	ons of the	e operating systement of the performa	
e. Cu	Large portion	ons of the		
	Large portion therefore ar	ons of the		have been modified, ance of system 2.1
. SOF	Large portion therefore are is not meaning TWARE PROBLEMS ecurring Software Problems	ons of the assessment assessment assessment assessment assessment assessment as a second a	ent of the performa	nce of system 2.1
. SOF	Large portion therefore are is not meaning TWARE PROBLEMS courring Software Problems Operating System:	ons of the assessment assessment assessment assessment assessment assessment as a second a	ent of the performa	nce of system 2.1
. SOF	Large portion therefore are is not meaning TWARE PROBLEMS courring Software Problems Operating System:	ons of the assessment assessment assessment assessment assessment assessment as a second a	ent of the performa	ance of system 2.1
. SOF <sup>-</sup> a. Re (1)	Large portion therefore are is not meaning TWARE PROBLEMS courring Software Problems Operating System:	ons of the assessment as a second assessment as a second assessment as a second assessment assessme	ent of the performa	ance of system 2.1
. SOF <sup>-</sup> a. Re (1)	Large portice therefore are is not meaning the problems of tweeters of the problems of the pro	ons of the assessmentingful.  Routines:	ent of the performa	ance of system 2.1
. SOF <sup>-</sup> a. Re (1)	Large portice therefore are is not meaning the problems of tweeters of the problems of the pro	ons of the assessmentingful.  Routines:	ent of the performa	ance of system 2.1
. SOF <sup>-</sup> a. Re (1) (2) b. In	Large portice therefore are is not meaning the problems of tweeters of the problems of the pro	ons of the assessmentingful.  Routines:	ent of the performa	ance of system 2.1

a. Sch	edule:	From	То	Day of Week
u. 00111	Preventive Maintenance	7:30	8:30	Mon, Wed, Fri.
	Preventive Maintenance	7:30	11:30	Tues. (1700 only)
		7:30	9:30	Thurs. (SC1700 only
	Systems Work	20:30	08:30	Mon. to Fri.
•				
	Special Time Allotment			
		08:30	20:30	Mon. to Fri.
	Production	09:00	17:00	Sat.
	Daharan			
	Debugs			
b. Joł	b Scheduling: Describe your job sch	eduling algorithm	1	
b. Joł	b Scheduling: Describe your job sch F <u>irst come first s</u>	eduling algorithm	n n some prior	rity for smaller jobs.
	b Scheduling: Describe your job sch  First come first s	eduling algorithm	n some prior	rity for smaller jobs.
	First come first s	erved with	n some prior	city for smaller jobs.
	First come first s  counting Method:  Charges based on: Execu	erved with	n some prior	
c. Ac	First come first s  counting Method:  Charges based on: Execu  Billing algorithm:	erved with	n some prior	
c. Ac	First come first s  counting Method:  Charges based on: Execu  Billing algorithm:	erved with	n some prior	
c. Ac	First come first s  counting Method:  Charges based on: Execu  Billing algorithm:	erved with	n some prior	
c. Ac	First come first s  counting Method: Charges based on: Execu Billing algorithm: CIAL PROBLEMS: Describe any	erved with	s that have not been	accounted for by the above categories:
c. Ac	First come first s  counting Method:  Charges based on: Execu Billing algorithm:  CIAL PROBLEMS: Describe any	erved with	s that have not been	accounted for by the above categories:
c. Ac I. SPEC 2. FUT a. Ha	First come first s  counting Method: Charges based on: Execu Billing algorithm: CIAL PROBLEMS: Describe any	tion time  special problem  ure implementation	s that have not been	accounted for by the above categories:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.



LOGIN HEALTH SCIENCES COMPUTER SYSTEM TUE 15 AUG 72, PORT 01

JOBNO.. 6110

?? RUN BLDGAS

NAME..... J.DOE DATE OF TEST 15/08/72 TIME OF TEST 1300

ARTERIAL BLOOD PCO2. 38.00 P02... 59.00 PH.... 7.30 TEMP.. 39.00

HBG... 12.00

PATIENT ON VENTILATOR? YES'

EXPIRED GASES? YES PECO2. 14.00 PEO2.. 249.00

MIXED VENOUS BLOOD TAKEN? YES

PC02.. 33.00 P02. 42.00 PH.... 7.44

TEMPERATURE CORRECTED VALUES ARTERIAL VENOUS

PC02.. 41 36 P02... 68 48

PH . . . . 7.28 7.42

18.3 21.9 HC03 6.7 91.2 84.5 OSSAT OSCON 14.8 13.7

CCP02 1.6 SOGAA 144.5 EST. SHUNT 61%

VD/VT 0.63

\*\*WARNING.THE FOLLOWING RESULTS ARE STILL EXPERIMENTAL.\*\*

DIFF

ARTERIAL OXYGENATION IS MODERATELY REDUCED.

BASE EXCESS -6.8

VENTILATION IS ADEQUATE. A METABOLIC ACIDOSIS EXISTS.

RU FINISHED? YES PLEASE LOGOUT BLDGAS USED FOR 00.04 HRS

?? LOGOUT LOGGED OUT

## LOGIN HEALTH SCIENCES COMPUTER SYSTEM TUE 15 AUG 72, PORT 01

JOBNO. 7017

?? RUN CALCPK CALCPK IN

\*TYF

BSA=((WT\*0.45359\*2.2046)\*\*0.425)\*((HT\*2.5399\*0.3937)\*\*0.725)\*0.00718

WT =100 HT =150 BSA 1.92210 # 1 WT =120 HT =157 BSA = 2.14678 # 2 WT =67 HT =172 = 1.79039 # BSA WT =75 =143 HT = 1.64296°# 4 BSA WT =77 HT =167 BSA = 1.85925 # 5 WT =58

CALCPK OUT CALCPK USED FOR 00.06 HRS

?? LOGOUT

JB NO? 1234

PROG? ST31 ST31 IN

INFO.. 3

-THIS IS AN EXAMPLE OF PROGRAM ST31 (SIMPLE LINEAR REGRESSION).

-ALL AVAILABLE OPTIONS WERE USED (EXCEPT TRANSFORMATIONS).

-SELECTION 2 ON 1 WAS USED.

TRAN.. N

DA TA . .

4.6 87.1 5.1 93.1

4.8 89.8

4.4 91.4

5.9 99.5 4.7 92.1

5.1 95.5

5.2 99.3

4.9 93.4

5.1 94.4/

N = 10

X MEAN SD

1 4.980 0.413 2 93.560 3.882

SELECTION ... 2 1

R = 0.818RSQ = 0.670

2 ON 1

INTERCEPT = 55.264
B = 7.690
SD ESTIMATE = 2.366
SDB = 1.909
T = 4.028
revised 09/71, May 1, 1972

#### \*\* ANALYSIS OF VARIANCE \*\*

SOURCE	DF	• SS	MS	F
REGRESSION	1.	90.829	90.829	16.227
DEVIATIONS	8	44.780	5.597	
TOTAL	9	135.609		

0P2.. Y

NO.	OBSER VED	EXPECTED	ADJUSTED	RESIDUAL
1	87.100	90.638	90.022	-3.538
2	93.100	94.483	92.177	-1.383
3	89.800	92.176	91.184	-2.376
4	91.400	89.100	95.860	2.300
5	99.500	100.635	92.425	-1.135
6	92.100	91.407	94.253	0.693
7	95.500	94.483	94.577	1.017
8	99.300	95.252	97.608	4.048
9	93.400	92.945	94.015	0.455
10	94.400	94.483	93.477	-0.083

OP3.. Y THET T.. 2.306

X-VALUES ..

5.3 5.4 5.5 5.6 5.7/

	***	CONFIDENCE	LIMITS *	<b>**</b>
	ME	AN	SINGLE	VALUE
X	LOW	UPP	LOW	UPP
1	93.793	98.248	90.128	101.914
2	94.261	99.319	90.776	102.803
3	94.692	100.425	91.396	103.722
4	95.099	101.557	91.988	104.667
5	95.488	102.705	92.555	105.638

OP3 .. N

SELECTION... \$

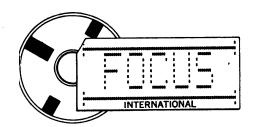
RU FINISHED .. N

INFO .. 4

<sup>-</sup>THIS IS AN EXAMPLE OF PROGRAM ST31 (SIMPLE LINEAR REGRESSION). -ALL AVAILABLE OPTIONS WERE USED (INCLUDING TRANSFORMATIONS).

<sup>-</sup>TRANSFORMATION I WAS USED ON VARIABLE 2.

<sup>-</sup>SELECTION 2 ON I WAS USED.



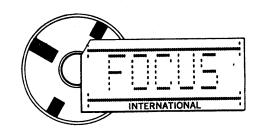
1.	University of City	Murresota	d Comput Installa Minneag	er Laboratory ation Name State
2.	FOCUS CONTACT:			
3.	25 5 26	Name 4. FOCUS IN	STALLATION CC	DDE: VMHY
_	Yr. Mo. Day '	TION: Ga	and l	D
Э.	Programis	y for	Unive	Purpose ersite Community
				OFFICE OF USER
6.	HARDWARE (include vendor a. CENTRAL SITE:	symbol on non-CDC	Equipment):	AUG 3 0 1972
	(1) Mainframe(s)			GROUP LIAISON
	Model		uantity	Core (K)
	COC 1700		/	32
	CAC 160		/	4
	(2) Console(s)  Model  (4) Disk(s)  Model  3 15 4	Quantity  Quantity 2	/60 /60 (5) Card Reade	odel Quantity 2 2 7 7
	(6) Line Printer(s)  Model /66 /6/2	Quantity/	(7) Data Cell(s	odel Quantity

b. In your opinion, CDC's response to your hardware request(s) has been:

\_\_\_\_\_Excellent \_\_\_\_\_Very Good \_\_\_\_\_ Good \_\_\_\_\_ Fair \_\_\_\_\_Poor

		ARE SYSTEMS  nt Operating System	Latest Update	PSR No
	b. Local	Modifications (Add additional description if o	desired, as appendix)	
		400		
	•			
	c. QSS(s	(Quote Special Software)		
	(1)			
	(2) (3)			
	(4)			
	d. Comp	oiler and Library Routines :	Updated through PS	R Summary or Local Modification
		FTN 2,0B		
	e. Curre	ent Problems and Comments:		
				1
<del>)</del> ,		NARE PROBLEMS		
	a. Recu	orring Software Problems: Operating System:		
	(2)	Compilers and System Routines:		
	b. In vo	our opinion, CDC's response to your software	request(s) has been:	
		ExcellentVery Good	Fa	irPoor
	c. Syste	an Cashiliau	,	
		n time between hardware/software failures	2 da	<u> 12                                   </u>

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

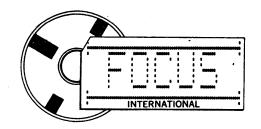


		ATION: UNIVE		DE MONTREAL Installation Name	
	MONTREAL			QUEBEC, CANA	ADA State
	City				
FOCU:	S CONTACT: J	. Baudot		dire	ector Title
DATE:	72 / 08 / 08		STALLA	TION CODE: [	JMTL
	Yr. Mo. Day				
	TIVES OF INSTALLA	TION: Graphics	<u> - I</u>	Batch Jobs - 1	Ceaching and
	Research -				
					Urfice of User
					AUG 14 1972
HARD	WARE (include vendor	symbol on non-CD0	C Equip	ment):	AUG IT IOIL
a. CEN	TRAL SITE:				GROUP LIAISON
(1)	Mainframe(s)				•
	Model	· <u>a</u>	luantity		Core (K)
	1704		1		28
(2)	Console(s)  Model 1711	Quantity 1	(3)	Tape Transport(s)  Model 601	Quantity 1
(4)	Disk(a)		  (5)	Card Reader(s)	
(4)	Disk(s)	Quantity		Model	Quantity
	<u>Model</u> 854	1		405	1
	804				
				***************************************	As a second seco
	-				
(6)	Line Printer(s)		(7)	Data Cell(s)	
(6)	Line Printer(s)  Model	Quantity	(7)	Data Cell(s)  Model	Quantity
(6)	Model	Quantity	(7)		Quantity
(6)		Quantity 1	(7)		Quantity

a. (8)	QSE(s) (Quote Specia	l Equipment)			
u. (O)	docis/ (duote opecia	Descr	intion		Quantity
	QSE 5089 Sylva		blet Controller		1
(9)	Other Devices				
		Descr	iption		Quantity
	1744		CONTROLLER		1
	274	DIGIGRAPHIO	CONSOLE		
b. REM	OTE SITE(S):				
(1)	Computer(s)				
		Mod	del		Quantity
					·
(2)	Other Remote Devices				
(2)	Other Remote Devices	Descr	intion		Quantity
		Descri	· ·		Coantity
HARD	WARE PROBLEMS				
a. REC	URRING HARDWARE	PROBLEMS:			
	Device		No. of Occurrences (Or Rate of Occurrences)	N.	ature of Failure
	854	0	NCE A YEAR	COUPLE	OF PARTS
				WORN C	OUT
	1744/27	4 01	NCE A YEAR	COUPLE	OF BAD CARDS
• .				***************************************	

	Installatio		UMTL Page 4 o
OPERATIONS			
a. Schedule:	From	To	Day of Week
Preventive Maintenance	07.00	09.00	
			•
	7		
-			whenever needed
Systems Work		****	whenever heeded
·		-	
Special Time Allotment			on request
-			
-		-	
_	00.00	20.00	mandau ta fuidau
Production	09.00	20.00	monday to friday
·		-	
<del></del>		<del></del>	
Debugs			
_			
_			
b. Job Scheduling: Describe your job schedul			
c. Accounting Method:  Charges based on: BLOCK TIME.	. TIME IN	AND OUT EN	TERED BY OPERATOR
Charges based on: BLOCK TIME.			TERED BY OPERATOR ACCOUNTING SYSTEM
Charges based on: BLOCK TIME.	EGRATED T	O CDO 5500	ACCOUNTING SYSTEM
Charges based on:  BLOCK TIME.  Billing algorithm:  RECORDS INT  SPECIAL PROBLEMS: Describe any special	EGRATED T	O CDC 5500	ACCOUNTING SYSTEM  accounted for by the above category
Charges based on:  BLOCK TIME.  Billing algorithm:  RECORDS INT  SPECIAL PROBLEMS: Describe any special specia	EGRATED T	O CDC SECO	ACCOUNTING SYSTEM  n accounted for by the above category  configuration:
Charges based on: BLOCK TIME.  Billing algorithm: RECORDS INT  SPECIAL PROBLEMS: Describe any special	EGRATED Total problems the prob	O CDC 5500	ACCOUNTING SYSTEM  n accounted for by the above category  configuration:
Charges based on:  BLOCK TIME.  Billing algorithm:  RECORDS INT  SPECIAL PROBLEMS: Describe any special specia	EGRATED Total problems the state of the stat	to your current	ACCOUNTING SYSTEM  n accounted for by the above categor  configuration:

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

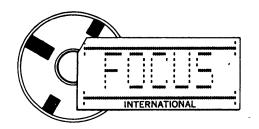


1.	CONT	TRIBUTING ORG	ANIZATION:	USN	PACIFIC	MissILE RANGE
(	)EOP4	YSICS DIVISION,	Cope 3251-3	3, Pt. Musu,	PACIFIC Installation Nar CALIF, 930	ne 24-2
2.	FOC	US CONTACT:	LINDSEY	LINDELL	PHYSI	CIST
3.	DATE	: 72   08   /	7 4. FO	ocus install	ATION CODE:	Title
5.		CTIVES OF INSTA	ALLATION:		ics Applica	TONS -
		ENVIRONA	IENTAL DATI	4 PROCES	SING	
						UITICE OF USER
						AUG 23 1972
ъ.	a. CEN	OWARE (include ve ITRAL SITE:	endor symbol or	i non-CDC Equip	oment):	GROUP LIAISON
	(1)	Mainframe(s)		•		
		3/04	SER#64	Quantity		Core (K)
						101
	(2)	Console(s)		(3)	Tape Transport(s)	
		Model	Qua	ntity	Model	Quantity
		3101		Marie	604	2
			***************************************			
					**************************************	
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model OC.	Qua		Model	Quantity
		854		<u>.</u>	405	
				-	***************************************	
						The state of the s
	(6)	Line Printer(s)		(7)	Data Cell(s)	
		Model	Quar	itity	Model	Quantity
		305	/		NONE	

a. (8)	QSE(s) (Quote Special Equipment)	
	None Description	Quantity
	NONE	
(9)	Other Devices	
	Description	Quantity
	10018 (FLOATINE POINT HARDWARE)	/
	3293 (PLOTTER - CALOMP 565)	/
	3691 (PAPER TAPE)	
b. REN	NOTE SITE(S):	
(1)	Computer(s)	
	Model	Quantity
	NONE	**************************************
(2)	Other Remote Devices	
	Description	Quantity
	NONE	
	WARE BROOK END	
	WARE PROBLEMS	
a. REC	URRING HARDWARE PROBLEMS:	
	Device No. of Occurrences (Or Rate of Occurrences)	Nature of Failure
	NONE OF SICNIFICANCE	
	A 11.2	
	our opinion, CDC's response to four hardware request(s) has been:	x = x

FO	CUS - 8	3 INSTALLATION REPORT Installation Code: UPINK Page 3 of 3
8.	SOFTW a. Currer	TARE SYSTEMS  Int Operating System MSOS 3,0 Latest Update UULY 69 PSR No
	b. Local	Modifications (Add additional description if desired, as appendix)  NONE OF SIGNIFICANCE
	(1) (2) (3)	(Quote Special Software)  None
	(4)	biler and Library Routines:  Updated through PSR Summary or Local Modifications:  COMPASS
		COBOL SORT/MERGE PERT /TIME ALGOL
	e. Curre	ent Problems and Comments:  Nince
9.	SOFT	NARE PROBLEMS
٠.		O. Granda Direktomer
	(1)	Operating System: MINOIZ
	(2)	Compilers and System Routines: 4
	b. In yo	our opinion, CDC's response to your software request(s) has been:ExcellentPoor
	c. Svste	em Stability:
		n time between hardware/software failures
		gest time period between hardware 'software failures

FOCUS - 8 INSTALLATION REPORT Installation Code: 10. OPERATIONS From Day of Week a. Schedule: 2000 Preventive Maintenance ) CHEDULE Systems Work ON THURSDAY EVENINGS. TWO SHIFTS
DAY, MON- TRI, FROM APPROX 0500-2100. WEEKEND WORK EXCEPT IN RAPE CASES. WHOLE CREPATION IS CREATIONALLY ORIENTATED Special Time Allotment EVERYTHING ELSE OF NON NEAR REAL-TIME IMPORTANCE ESSENTIALLY IST COME IST SERVED BASIS Production Debugs b. Job Scheduling: Describe your job scheduling algorithm 15 COME, 15 SERVED EXCEPT FOR OPERATIONAL SUPPORT c. Accounting Method: MAINFRAME TIME Charges based on: Billing algorithm: NONE - ALL IN HOUSE 11. SPECIAL PROBLEMS: Describe any special problems that have not been accounted for by the above categories: 12. FUTURE PLANS: Describe any future implementations to your current configuration: a. Hardware: ADDITION OF CDC 3266 AND 2 CDC QSE 311-B'S
FOR REAL-TIME THERFACE WITH RADAR TRACKING GEAR STILL PLANNED b. Software:



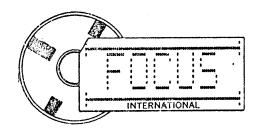
	RIBUTING ORGANIZA Wilkes-Barre			Installation Name ennsylvania	
	City	· · · · · · · · · · · · · · · · · · ·		Sta	e
FOC	JS CONTACT: Mr. L	• E. Broz		Chief Software Deve	lopment Divisi Title
DATE	:: 72 / 08 / 14 Yr. Mo. Day	4. FOCUS II	<b>NSTALL</b>	ATION CODE: UPO	P
OBJE Regi	CTIVES OF INSTALLA ons of New York, E	TION: Servic astern and Sou	thern	68 largest post o areas, for applic	ffices in Post ations such as
Time	and Attendance, We	orkload Record	ing Sys	stem, Van and Hig	hway Control o
	. Flow and various				
					UFFICE OF I
					AUG 25
	DWARE (include vendor	symbol on non-CE	OC Equip	oment):	HOU DO
	ITRAL SITE:				GROUP LIAIS
<b>(1)</b>	Mainframe(s)				
	Model		Quantity		Core (K)
	3300		2	<u> </u>	28K & 80K
(2)	Console(s)		<b>43)</b>	Tape Transport(s)	
	Model	Quantity		Model	Quantity
	3301	2	<del></del>	607	12
	-			604	4
	Disk(s)		— ∨(5)	Card Reader(s)	
V(4)	DI2K /2/				
<b>(4)</b>		Quantity		Model	Quantity
<b>(4)</b>	Model 814	Quantity 3		<u>Model</u> 405	Quantity 1
44)	Model	Quantity 3 2			
	Model 814 854	3		405	
<b>44)</b>	Model 814 854 Line Printer(s)	3 2	) (7)	405  Data Cell(s)	1
	Model 814 854	3		405	

FOCUS - 8 INSTALLATION REPORT	Installation Code:	UPOP Page 2 of
6. a. (8) QSE(s) (Quote Special Equipmen	it)	
	Description	Quantity
1604 Mainframe - Gate	s ISR into DC current ad	ldress 2
registers on sear	ch/move instruction.	
	A - Together allows inte stored in control word.	
Prevents loss of	interrupts.	
(9) Other Devices N/A		
	Description	Quantity
		And the state of t
b. REMOTE SITE(S): N/A		
(1) Computer(s)		
	Model	Quantity
(2) Other Remote Devices		
	Description	Quantity
7. HARDWARE PROBLEMS		
a. RECURRING HARDWARE PROBLEMS	<b>S</b> :	
Device	No. of Occurrences	Nature of Failure
3302 Memory Storage	(Or Rate of Occurrences) <b>Uiten</b>	Parity Errors
607/604 Tape Transport	Often	Bad writes, bad reads,
41.00		compatability problems
814 Disk File	Often	Disk Errors, head crash
3312 BDP Module	Infrequently	Shifting of data
3311 Multi Module	Infrequently	Shifting of data Shifting of data
b. In your opinion, CDC's response to your  Excellent  Very	hardware request(s) has been:	Fair Poor

FOCUS - 8	INSTALLATION REPORT Installation Code: UPOP Page 3 of 4
	ARE SYSTEMS  at Operating System Master 3.2 Latest Update 7/1/72 PSR No. 264
√ b. Local	Modifications (Add additional description if desired, as appendix)  Display time @ start of and end of job.
•	Auto Tape search under jump key option.
	Display cobol restart dump # on CTO.
,	Display ch eq unit up when put up by op.
	Display a () and time when operator depresses manual interrupt.
	) (Quote Special Software) None
(1)	NOTE
(2) (3)	
(4)	
√d. Comp	iler and Library Routines: Updated through PSR Summary or Local Modifications:  Compass PSR 264
	USASI Cobol
	Mass storage sort
	Tape sort
v e. Curre	nt Problems and Comments:  We are experiencing difficulty with TSORT restart.
	"TO GET OF OFFICE GETTE
9. SOFTW	ARE PROBLEMS
√a. Recui	ring Software Problems:
<b>∨(1)</b>	Operating System: None
٧(2)	Compilers and System Routines: Restart on TSORT
) b. In yo	ur opinion, CDC's response to your software request(s) has been:Excellent Very Good Fair Poor
	Excellentvery goodgood
•	m Stability:
	time between hardware/software failures
Long	est time period between hardware software failures

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append additional numbered pages.

b. Software:



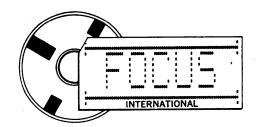
1.	CONT	RIBUTING ORGAN	IZATION: UI	NITED STAT	ES COAST GUARI	D	
		ASHINGTON			Installation Name D . C .		
		City			Sta	te	
2.	FOCI	JS CONTACT: MR	FRANK J.	MAURO	ASST DIVIS	ION CHIEF, CDS	
3.	DATE		Name		ATION CODE: U	Title SCG	
•		Yr. Mo. Day	<del></del>		Among a grant and a state of the state of th		
ō.					NESS AND SCIE		
					AL SITE, REMOT		
	REA	L TIME PROCESS	SING, TO A	LL ORGANIZ	ZATIONAL LEVEL	S OF THE COAST	
	GUA	RD.					
_				0005	. 1	Grade OF USER	
j.		DWARE (include vend	or symbol on n	on-CDC Equip	oment):	SEP 1 9 1972	
	a. CEN	ITRAL SITE:				OLI TO IMI	
	(1)	Mainframe(s)				GROUP LIAISON	
		Model		Quantity		Core (K)	
		3304-2		1		147	
		3304-2		1		81	
		IBM 1410		1		40	
	(2)	Console(s)		(3)	Tape Transport(s)		
		Model	Quanti	ty	Model	Quantity	
		3301	2	magain no	607	10	
		IBM 1415	1		609	1	
					IBM 2729	1	
				materials along the state and the state of the state of the	IBM 7330	1	
	(4)	Disk(s)		(5)	Card Reader(s)		
		Model	Quanti	ty	Model	Quantity	
		841-6	2	<del></del>	405	1	
		IBM 1301	1		IBM 1402	1	
			and the second s				
	(6)	Line Printer(s)		(7)	Data Cell(s)		
		Model	Quanti	ty	Model	Quantity	
		501	2		-		
		IBM 1403	1				

ces  1 COMMUNICATIO CARD PUNCH G TEST BOARD DO -1 MULTIPLEXOR S):	escription TIONS INTERFACE  escription NS MULTIPLEXORS  RAWER		Quantity 2 1 1 Quantity 2 1 1 1 Ouantity
ces  1 COMMUNICATIO CARD PUNCH G TEST BOARD D  -1 MULTIPLEXOR  s):	escription TIONS INTERFACE  escription NS MULTIPLEXORS  RAWER CONTROLLER		Ouantity 2 1 1 1
ces  1 COMMUNICATIO CARD PUNCH G TEST BOARD D -1 MULTIPLEXOR S):	escription NS MULTIPLEXORS RAWER CONTROLLER		Ouantity 2 1 1 1
D COMMUNICATION CARD PUNCH G TEST BOARD DO -1 MULTIPLEXOR (S):	NS MULTIPLEXORS  RAWER  CONTROLLER		1 1 1
D COMMUNICATION CARD PUNCH G TEST BOARD DO -1 MULTIPLEXOR (S):	NS MULTIPLEXORS  RAWER  CONTROLLER		1 1 1
D COMMUNICATION CARD PUNCH G TEST BOARD DO -1 MULTIPLEXOR (S):	NS MULTIPLEXORS  RAWER  CONTROLLER		1 1 1
1 COMMUNICATIO CARD PUNCH G TEST BOARD D -1 MULTIPLEXOR S): s)	NS MULTIPLEXORS  RAWER  CONTROLLER		1 1 1
G TEST BOARD DE LE MULTIPLEXOR S):	CONTROLLER		1
-1 MULTIPLEXOR s): s)	CONTROLLER		1
S): s)			_
s)	Model		Quantity
	Model		Quantity
	Model		Quantity
ota Davicas			
ote Devices			
ote Devices	·		
	escription		Quantity 8
	O A TOTAL OF 13 2		
	UT THE U.S. BY A		
OBLEMS ARDWARE PROBLEMS:			
Device	No. of Occurrences	Nature of	Failure
סיטיי		GW TD G DA	0.7.5
LEK	DAILY	SKIPS PAC	GES
RY	3/MONTH	PARITY/E	RRORS
READER	DAILY	CARD JAM	S
IT (CDEEDEV)	VARIES FREQUENT		PUNCH, PRINT AMS
3	CER	(Or Rate of Occurrences) DAILY  AY 3/MONTH  READER DAILY	CER DAILY SKIPS PACE  READER DAILY CARD JAMS  PRIMARILY I

FC	CU	s – s	8 INSTALLATION REPORT Installa	ation Code:_	USCG	Page 3 of 4				
8.	so	FTW	ARE SYSTEMS							
	а. (	Curre	nt Operating System <u>MASTER 3.0</u> Latest	Update	PSR	No. 191+				
	<b>.</b>	l ocal	Modifications (Add additional description if desire	d as appendix)						
	<b>10.</b> 1	LUCAI	MODIFICATIONS TO RESPOND E		RS TO ALLOW	SUPPORT OF				
			A 200 UT WITH CARD PUNCH (	SPEEDEX T	ERMINAL).					
			s) (Quote Special Software) PROVIDED TO INTERFACE WITH	TELETYPE	COMMUNICAT	IONS NETWORK				
		(1)	AND 3300.							
		(2)								
		(3)								
		(4)								
	d.	Com	piler and Library Routines :	Updated thre		or Local Modifications:				
			COBOL		211+					
			FORTRAN		186					
			META		151					
			RESPOND E/I		191+					
			MARS		275					
	e.	Curr	ent Problems and Comments: AT TIMES TASKS WILL NOT TE	RMINATE A	LTHOUGH THE	SYSTEM GIVES				
						NSTALLATION				
			OF MASTER 3.3 WILL CORRECT	THIS PRO	BLEM.					
9.	SC	٦FT	WARE PROBLEMS							
	a.	Recu	urring Software Problems:			· · · · · · · · · · · · · · · · · · ·				
		(1)	Operating System: LOSS OF HARDWARE	INTERRUI	TS CAUSING	MASTER TO				
					ON AT TIMES					
		(2)	Compilers and System Routines.			IINATE PROPERLY.				
			THIS NECESSITATES REINITIA	LIZING TI	HE SYSTEM.					
	b.	In ye	our opinion, CDC's response to your software reque	•	K e.:.					
			ExcellentVery Good	Good	Fair	_ Poor				
	c.	Svst	em Stability:							
	٠.	•	n time between hardware/software failures							
		Lac	time period between hardware software failure							

1	0.	OP	ER	AT	IONS

a. Schedule:		From	То	Day of Week
Preve	entive Maintenance	1600	1830	MON, THUR (OFF LINE SYS
		0530	0730	TUES, FRI (ON LINE SYS)
		-		
Suct	ems Work	***************************************	***************************************	ON REQUEST
Syste	enis work			
			***	
Spec	ial Time Allotment			ON REQUEST
		****		entition participated in the state of the st
Prod	uction	0001	2400	7 DAYS
		-		
Debu	Jas	***************************************	Transcript on a section of the secti	DO NOT DEBUG FROM
	-3-			CONSOLE
	uling: Describe your job sche NLINE - FIRST-IN-		(FIFO) B	Y JOB CLASS
ON	NLINE - FIRST-IN	-FIRST-OUT		
ON OF	VLINE - FIRST-INFILINE - FIFO BY	-FIRST-OUT	WITH HUM	AN SCHEDULER INTERVENTION
O N O F  C. Accounting	NLINE - FIRST-IN FFLINE - FIFO BY  g Method: ges based on: NON	-FIRST-OUT JOB CLASS	WITH HUM	AN SCHEDULER INTERVENTION
O N O F  C. Accounting	VLINE - FIRST-INFILINE - FIFO BY	-FIRST-OUT JOB CLASS	WITH HUM	AN SCHEDULER INTERVENTION
c. Accounting Charge Billin SPECIAL PI	FELINE - FIRST-IN  FELINE - FIFO BY  g Method: ges based on: NON  ng algorithm:  ROBLEMS: Describe any	FIRST-OUT  JOB CLASS  E  special problems t	WITH HUM	AN SCHEDULER INTERVENTION
c. Accounting Charge Billin SPECIAL PI	FLINE - FIRST-IN  FLINE - FIFO BY  G Method: ges based on: NON: ng algorithm:  ROBLEMS: Describe any: ESPONSE TIME TO	FIRST-OUT  JOB CLASS  E  special problems t	WITH HUM	AN SCHEDULER INTERVENTION
c. Accounting Charge Billin SPECIAL PI	FELINE - FIRST-IN  FELINE - FIFO BY  g Method: ges based on: NON: ng algorithm: ROBLEMS: Describe any ESPONSE TIME TO  MPROVED.	FIRST-OUT  JOB CLASS  E  special problems the thandware A	WITH HUM  hat have not been  ND SOFTWA	AN SCHEDULER INTERVENTION  n accounted for by the above categories:  RE PROBLEMS COULD BE
c. Accounting Charge Billin SPECIAL PI  RE IM	FLINE - FIRST-IN  FFLINE - FIFO BY  g Method: ges based on: NON  ng algorithm:  ROBLEMS: Describe any  ESPONSE TIME TO  IPROVED.	FIRST-OUT  JOB CLASS  E  special problems t  HARDWARE A	WITH HUM  hat have not beer  ND SOFTWA	AN SCHEDULER INTERVENTION  n accounted for by the above categories:  RE PROBLEMS COULD BE  configuration:
c. Accounting Charge Billin SPECIAL PI	FLINE - FIRST-IN  FFLINE - FIFO BY  g Method: ges based on: NON  ng algorithm:  ROBLEMS: Describe any  ESPONSE TIME TO  IPROVED.	FIRST-OUT  JOB CLASS  E  special problems t  HARDWARE A	WITH HUM  hat have not beer  ND SOFTWA	AN SCHEDULER INTERVENTION  n accounted for by the above categories:  RE PROBLEMS COULD BE  configuration:
c. Accounting Charge Billin SPECIAL PI  RE IM  FUTURE PI a. Hardware:	FLINE - FIRST-IN  FFLINE - FIFO BY  G Method: ges based on: NON  ng algorithm:  ROBLEMS: Describe any ESPONSE TIME TO  MPROVED.  LANS: Describe any futur  PLAN TO ADD 49	FIRST-OUT  JOB CLASS  E  special problems t  HARDWARE A  e implementations  K of CORE	WITH HUM  hat have not beer  ND SOFTWA  s to your current  MEMORY AN	AN SCHEDULER INTERVENTION  n accounted for by the above categories:  RE PROBLEMS COULD BE  configuration: D UPDATE 841-6's TO 841-8
c. Accounting Charge Billin SPECIAL PI  RE IM	FLINE - FIRST-IN  FFLINE - FIFO BY  G Method: ges based on: NON  ng algorithm:  ROBLEMS: Describe any ESPONSE TIME TO  MPROVED.  LANS: Describe any futur  PLAN TO ADD 49	FIRST-OUT  JOB CLASS  E  special problems t  HARDWARE A  e implementations  K of CORE	WITH HUM  hat have not beer  ND SOFTWA  s to your current  MEMORY AN	AN SCHEDULER INTERVENTION  n accounted for by the above categories:  RE PROBLEMS COULD BE  configuration:



1.	CONT	RIBUTING ORGANIZAT	rion: USDA,	Forest	Service, Region	1	
		Missoula			Installation Name Montana		
		City			Stat		
2.	FOCL	JS CONTACT: David	P. Blodget		Chief, ADP B	ranch Title	
3.	DATE	: 72 / 8 / 8 Yr. Mo. Day		NSTALLA	ATION CODE: US	FM	
5.		CTIVES OF INSTALLAT					
						UtriCE OF USER	
6.	HARE	DWARE (include vendor s	ymbol on non-C	DC Equip	ment):	AUG 1 0 1972	
	a. CEN	ITRAL SITE:				GROUP LIAISON	
	(1)	Mainframe(s)					
		Model		Quantity		Core (K)	
		3100		<u> </u>		32	
		8092 (CDC <b>§</b> 15)		1		4	
			-				
	(2)	Console(s)		(3)	Tape Transport(s)		
		Model	Quantity		Model	Quantity	
		3192	11		604	4	
		8096 (CDC 915)	1		608 (CDC 915)	) 1	
	(4)	Disk(s)		(5)	Card Reader(s)		
	\ <del>**</del> /	Model	Quantity	(0)	Model	Quantity	
		854	2		405	1	
					407		
					-		
	(6)	Line Printer(s)		(7)	Data Cell(s)		
		Model	Quantity		Model	Quantity	
		505	1			and the second s	
		· · · · · · · · · · · · · · · · · · ·		<del></del>			
				distance of the same of the sa			

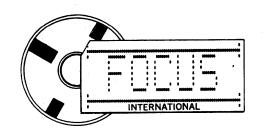
Quantity Quantity 1 Quantity 1
Quantity 1
Quantity 1
Quantity1
1
I
1
Quantity
Quantity
Quantity
Quantity
•
Quantity
·
Nature of Failure
Nature of Failure
·
· .

FC	CUS	- 8 INSTALLATION REPORT	Installation Code:	USFM	Page 3 of 4
8.		TWARE SYSTEMS			
	a. Cu	arrent Operating SystemMSOS	Latest Update 4.	2 PS	R No
	b. Lo	ocal Modifications (Add additional description	if desired, as appendix)		
	c. QS	SS(s) (Quote Special Software)			
	(2)				
	(3)				
	(4)				
	d. Co	ompiler and Library Routines: COSY, LISA, MS FORTRAN, MS	SOS	•	or Local Modifications
		UTILITY, SFP, ALGOL, COMPA			
		MS COBOL(BCD), MS SORT, PI			
		COST, TAPE SORT MERGE, BS			
		ERROR RECOVERY, MSIO, PER			
		SIPP, USASI FORTRAN, USASI	<u> </u>		
		COBOL			
	e. Cu	urrent Problems and Comments:			
_	CO.F.	TIMA DE DDODI EMO			
ਰ.		TWARE PROBLEMS			
	a. Re	ecurring Software Problems:			
	(1)				
	(2)				
	b. In	your opinion, CDC's response to your softwa	•		
		ExcellentVery Good	Good X	Fair	Poor
	c. Sy	rstem Stability:			
		ean time between hardware/software failures			
		ongest time period between hardware/software			

Installation Code:

USFM

FOCUS - 8 INSTALLATION REPORT



CONI	RIBUTING ORGANIZ	ATION: Colle	ge of B	Installation Name	ation, Univ. of Text
	Austin			Texas	
	City	and C Darr			tate ctor, CBA Computer (
	JS CONTACT: Richa	Name		Assi, Direc	Title UTAB
DATE	: 72 / 08 / 07 Yr. Mo. Day	4. FOCUS IN	ISTALLA	ATION CODE:	OIAR
OBJE	CTIVES OF INSTALL	ATION: Provide	compu	ational services, i	including prepared
:	software, for use in	classes and faculty	resear	ch projects for the	e College of
	Business Administrat	ion, UT Austin			
					UFFICE OF USER
	DWARE (include vendo	r symbol on non-CD	C Equip	ment):	AUG 1 0 1972
	ITRAL SITE:				· · · · · · · · · · · · · · · · · · ·
(1)	Mainframe(s)	,	)uan•i•u		GROUP LIAISON Core (K)
	<u>Model</u> 3100		Quantity 1		16
	3100		1		
4-1			(2)		
(2)	Console(s)	Ougatitu	(3)	Tape Transport(s)  Model	Quantity
	Model Desk	Quantity 1		603	4
			Manageme <b>t</b>		
(4)	Disk(s)	Ourneieu	(5)	Card Reader(s)  Model	Quantity
	<u>Model</u> 854	Quantity 2		405	1
	004	. <u>Z</u>			
(0)	Attack Distance (A)		/ <b>7</b> 1	Data Call(e)	
(6)	Line Printer(s)  Model	Quantity	(7)	Data Cell(s)  Model	Quantity

b. In your opinion, CDC's response to your hardware request(s) has been:

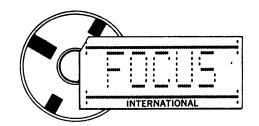
\_\_\_\_\_ Excellent \_\_\_\_\_ Very Good \_\_\_\_ X Good \_\_\_\_ Fair \_\_\_\_ Poor

SOFTWARE SYSTEMS  a. Current Operating System	ocus	-8 I	INSTALLATION	1 REPORT	Installation Code:_	UIAB	Page_3	_of
a. Current Operating System MSOS 3.0 Latest Update PSR No.  b. Local Modifications (Add additional description if desired, as appendix) One-card file allocation/subsequent release One-card file open_load, run Accounting system Minor restructuring of MSOS overlays  c. QSS(s) (Quote Special Software)  (1) (2) (3) (4)  d. Compiler and Library Routines:								
a. Current Operating System MSOS 3.0 Latest Update PSR No.  b. Local Modifications (Add additional description if desired, as appendix) One-card file allocation/subsequent release One-card file open_load, run Accounting system Minor restructuring of MSOS overlays  c. QSS(s) (Quote Special Software) (1) (2) (3) (4)  d. Compiler and Library Routines: Updated through PSR Summary or Local Modification MS FORTRAN M COBOL ALGOL RG COMPASS  e. Current Problems and Comments: Lack of any support for software  (1) Operating System: (1) Operating System Routines: (1) Operating System Routines: (2) Compilers and System Routines:  Excellent Very Good Good Fair X Poor  c. System Stability:	SOF	TWAR	FSVSTEMS					
b. Local Modifications (Add additional description if desired, as appendix)  One-card file allocation/subsequent release  One-card file open, load, run  Accounting system  Minor restructuring of MSOS overlays  c. QSS(s) (Quote Special Software)  (1)  (2)  (3)  (4)  d. Compiler and Library Routines:  WS FORTRAN  MS COBOL  ALGOL  RG  COMPASS  e. Current Problems and Comments:  Lock of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  Lexellent Very Good Good Fair Poor  C. System Stability:				MSOS 3.0	Latest Undate		DCD No	
One-card file open, load, run Accounting system Minor restructuring of MSOS overlays  c. QSS(s) (Quote Special Software)  (1) (2) (3) (4)  d. Compiler and Library Routines:	a. Ci	urrent O			Latest Opdate		ran IVO.	
One-card file open, load, run Accounting system Minor restructuring of MSOS overlays  c. QSS(s) (Quote Special Software) (1) (2) (3) (4)  d. Compiler and Library Routines:	b. Lo	ocal Mod						
Accounting system  Minor restructuring of MSOS overlays  c. QSS(s) (Quote Special Software)  (1)  (2)  (3)  (4)  d. Compiler and Library Routines:  MS FORTRAN  MS COBOL  ALGOL  ALGOL  RG  COMPASS  e. Current Problems and Comments:  Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  (2) Compilers and System Routines:  Excellent Very Good Fair Poor  c. System Stability:					run			
Minor restructuring of MSOS overlays  c. QSS(s) (Quote Special Software)  (1)  (2)  (3)  (4)  d. Compiler and Library Routines:			Accounting sy	rstem				
(1) (2) (3) (4)  d. Compiler and Library Routines:  MS FORTRAN  MS COBOL  ALGOL  RG  COMPASS   e. Current Problems and Comments:  Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  Excellent Very Good Good Fair X Poor  c. System Stability:			Minor restruc	turing of MS(	OS overlavs			
(2) (3) (4)  d. Compiler and Library Routines:	c. Q:	SS(s) (C	Quote Special Softv	vare)				
(3) (4)  d. Compiler and Library Routines:  MS FORTRAN  MS COBOL  ALGOL  RG  COMPASS  e. Current Problems and Comments:  Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  Excellent Very Good Good Fair Poor  c. System Stability:	(1	)						
d. Compiler and Library Routines:  MS FORTRAN  MS COBOL  ALGOL  RG  COMPASS  e. Current Problems and Comments:  Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  Excellent Very Good Good Fair Poor  C. System Stability:	(2	?)						
d. Compiler and Library Routines:  MS FORTRAN  MS COBOL  ALGOL  RG  COMPASS  e. Current Problems and Comments: Lack of any support for software  SOFTWARE PROBLEMS a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  Excellent Very Good Good Fair Poor  C. System Stability:	(3	3)						
MS FORTRAN  MS COBOL  ALGOL  RG  COMPASS   e. Current Problems and Comments:     Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:	,	-						
MS FORTRAN  MS COBOL  ALGOL  RG  COMPASS   e. Current Problems and Comments:     Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:						. 500 0		
a. Current Problems and Comments: Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems: (1) Operating System: (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:ExcellentVery Good FairXPoor  c. System Stability:	a. Co	omplier a			•	<del>-</del>	•	
e. Current Problems and Comments: Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems: (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:ExcellentVery Good Good Fair Yoor  c. System Stability:		٨	& COBOL	and the second				
e. Current Problems and Comments: Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems: (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:ExcellentVery GoodGoodFairXPoor  c. System Stability:		7	ALGOL					
e. Current Problems and Comments: Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems: (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:ExcellentVery GoodGoodFairXPoor  c. System Stability:		R	RG					
e. Current Problems and Comments: Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems: (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:ExcellentVery Good Good Fair Poor  c. System Stability:			COMPASS					
e. Current Problems and Comments: Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems: (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:ExcellentVery Good Good Fair Poor  c. System Stability:								
Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodGoodFairX_Poor  c. System Stability:								
Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodGoodFairX_Poor  c. System Stability:		-						
Lack of any support for software  SOFTWARE PROBLEMS  a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodGoodFairX_Poor  c. System Stability:	e. Cı	urrent Pr	oblems and Comm	ents:				
a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent Very Good Fair X Poor  c. System Stability:	J. J.		Lack	of any suppo	ort for software			
a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been:  Excellent Very Good Fair Poor  c. System Stability:								
a. Recurring Software Problems:  (1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodFairXPoor  c. System Stability:								
(1) Operating System:  (2) Compilers and System Routines:  b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodGoodFairY_Poor  c. System Stability:	SOF	TWAR	E PROBLEMS					
b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodGoodFairXPoor  c. System Stability:	a. R	ecurring	Software Problems	::				
b. In your opinion, CDC's response to your software request(s) has been: ExcellentVery GoodGoodFairX_Poor  c. System Stability:	(1	I) Oper						
ExcellentVery GoodFair X Poor  c. System Stability:	(2	 2) Com						
ExcellentVery GoodFair X_Poor  c. System Stability:								
ExcellentVery Good GoodFairPoor  c. System Stability:	b. In	n your op	oinion, CDC's respo	nse to your softw	rare request(s) has been:		v	
			Excellent	Very Good	Good	Fair _	Poor	
	c c.	vetam C+	ahility:					
IVIDAD TIMO DOTAION DATOMATO/SOTTMATO TAINIFS		•	•					
	L	ongest ti	me period between	nardware softwa	re ranures			

	edule:	From	To	Day of Week
	Preventive Maintenance	12 M	0800	Wed
			-	
	Systems Work	**************************************		
		*		
			-	· ·
	Special Time Allotment			
			-	
	Production			
		**************************************		
	Debugs			
b. Job	Scheduling: Describe your job so	cheduling algorithm		
b. Job	Scheduling: Describe your job so	cheduling algorithm		
b. Job	Scheduling: Describe your job so	cheduling algorithm		
b. Job	Scheduling: Describe your job so	cheduling algorithm		
		cheduling algorithm		
	ounting Method:			
	ounting Method: Charges based on:			
	ounting Method:			
c. Acc	ounting Method:  Charges based on:  Billing algorithm:			
c. Acc	ounting Method:  Charges based on:  Billing algorithm:			
c. Acc	ounting Method:  Charges based on:  Billing algorithm:			
:. Acc	ounting Method:  Charges based on:  Billing algorithm:			
c. Acc	ounting Method:  Charges based on:  Billing algorithm:			
c. Acc	ounting Method:  Charges based on:  Billing algorithm:  IAL PROBLEMS: Describe an	ny special problems	that have not beer	accounted for by the above catego
c. Acc SPEC	ounting Method: Charges based on: Billing algorithm: IAL PROBLEMS: Describe ar	ny special problems	that have not beer	accounted for by the above catego
c. Acc SPEC	ounting Method:  Charges based on:  Billing algorithm:  IAL PROBLEMS: Describe an	ny special problems	that have not beer	accounted for by the above catego
c. Acc SPEC FUTU a. Hard	ounting Method: Charges based on: Billing algorithm: IAL PROBLEMS: Describe ar	ny special problems ture implementation	that have not beer	accounted for by the above category

13. ADDITIONAL COMMENTS: For Additional Comments and/or System Organization Chart(s), append

additional numbered pages.



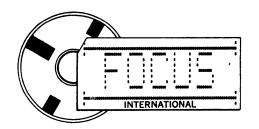
1.	CONT	RIBUTING ORGANIZA	ATION:	Vetera	ons Administ	tration DPC
		.ST. Paul City				
2.	FOC	JS CONTACT:	Name			Title
3.	DATE	:: 121 /8 / 10		INSTALLA	ATION CODE:	VAD
<b>5.</b> (			TION: (1) Products and operated products and operated products for administration and operated products for a second products and operated products for a second products for a second product and operated products for a second products for a second product and operated products for a second produc	vide Conservating jects in aission.	empater menitor suites and p varied media	ering of patients rint patient al areas.
				**************************************		Uffice OF USER
О.		DWARE (include vendor	symbol on non-	CDC Equip	ment):	AUG 21 1972
	(1)	Mainframe(s)				GROUP LIAISON
		Model		Quantity		Core (K)
		CDC 3300		1		32
	(2)	Compole/e)		(3)	Tape Transport(s)	
	(2)	Console(s)  Model	Quantity	(3)	Model	Quantity
		CPC 3301	1		604	2
	(4)	Disk(s)		(5)	Card Reader(s)	
		Model	Quantity		Model	Quantity
		<u>854</u>	4		405	
	(6)			(7)	Data Cell(s)	
	(6)	Line Printer(s)  Model	Quantity	(7)	Model	Quantity
		501				Address of the second

CUS -	8 INSTALLATION REPOR	T Installatio	n Code:	VAD	Page 3	OT
	VARE SYSTEMS M 50 <b>8</b> Int Operating System MEDLA		8/11 date <u>1/3</u> /		PSR No.	
	l Modifications (Add additional des	scription if desired, as	s appendix)			
	All modifications	Local for	MEDLABS			
c. QSS(	s) (Quote Special Software)					
(1)						
(2) (3)						
(4)						
d. Com	piler and Library Routines:		Updated through	PSR Summa	ary or Local Mo	dification
e. Curr	ent Problems and Comments:			a D a = =	. 4./	
	MEDLAB 3 Operat  CDC maintains M.	ing System sos 4.2 which	is net	intregu	ently	
	WARE PROBLEMS urring Software Problems:					
(1)	Operating System:					
(2)	Compilers and System Routines:	*				
			-			
b. In y	rour opinion, CDC's response to yo			Fair _	Poor	
		,				
-	tem Stability: In time between hardware/software	e failures	·			
	ngest time period between hardwar					

	0050 451044				
•	OPERATIONS				
	a. Schedule:	From	То		ay of Week
	Preventive Maintenance	4:30 PM	5:30 PM		(schedule is
					Varies from
		*****		1-5 Ho	urs per weel
	Systems Work			As time	is available
				**************************************	
	Special Time Allotment				
	Produce: a a	w:1+	4:30 f.M.	1 days	3 e.k
	Production	Midnight 5:30P.M	Midnight		aween
				0 1:0	or as time
	Debugs				able
				17 AVAIL	1015
	·	•			
	b. Job Scheduling: Describe your job schedu				
	b. Job Scheduling: Describe your job scheduling: Leventive maintenante time is available is prierity 1.	nance a. Inten	d testing		
	<u>freventive</u> mainte	nance a. Inten	d testing		
		. Inten	d testing sive Care		
	c. Accounting Method:  Charges based on:  No ch	. Inten	d testing		
		. Inten	d testing		
	c. Accounting Method:  Charges based on:  No ch	Inten		is perfo	rmed when
	c. Accounting Method: Charges based on: Billing algorithm:	Inten		is perfo	rmed when
	c. Accounting Method: Charges based on: Billing algorithm:	Inten		is perfo	rmed when
	c. Accounting Method: Charges based on: Billing algorithm:	Inten		is perfo	rmed when
	c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any sp	arges  ecial problems  implementation	that have not been	meniteris	rmed when  ng of Patien  y the above categori
	c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any sp	arges  ecial problems  implementation	that have not been	meniteris	rmed when  ng of Patien  y the above categori
	c. Accounting Method:  Charges based on:  Billing algorithm:  SPECIAL PROBLEMS: Describe any sp  FUTURE PLANS: Describe any future  a. Hardware:  Replace the  364 Communications	arges  mecial problems  implementation  304 Comm  Multiplexes	that have not been is to your current currications	accounted for be	y the above categorian with a pick Prive
	c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any sp	arges  mecial problems  implementation  304 Comm  Multiplexes	that have not been is to your current currications	accounted for be	y the above categoric with a posk Prive

382

additional numbered pages.



Deputy County Surveyed Name  Name  Name  Name  Name  Name  Title  Name	_V	Putura City			County	ate
ATE: \$ 1 7 172 4. FOCUS INSTALLATION CODE: VCPW  BJECTIVES OF INSTALLATION: Archem Calculations for Civil E  Land Surveying.  ARDWARE (include vendor symbol on non-CDC Equipment): AUG 1 0 1972  CENTRAL SITE:  (1) Mainframe(s)  Model Quantity  Core (K)  (2) Console(s)  Model Quantity  Model Quantity  Model Quantity  (5) Card Reader(s)  Model Quantity	CL	IS CONTACT: Wer	non 10 1000	ر ا	Deputy Go	untu Curveya
ARDWARE (include vendor symbol on non-CDC Equipment):  ARDWARE (include vendor symbol on non-CDC Equipment):  ARDWARE (include vendor symbol on non-CDC Equipment):  AUG 1 0 1972  CENTRAL SITE:  (1) Mainframe(s)  Model  Quantity  ARDWARE (include vendor symbol on non-CDC Equipment):  AUG 1 0 1972  COR (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  Core (K)  ARDWARE (include vendor symbol on non-CDC Equipment):  GROUP LIAISON  (2) Console(s)  Model  Quantity						
ARDWARE (include vendor symbol on non-CDC Equipment):  CENTRAL SITE: (1) Mainframe(s)  Model  Quantity  Core (K)  AUG 1 0 1972  GROUP LIAISON  Core (K)  AUG 1 0 1972  GROUP LIAISON  Core (K)  AUG 1 0 1972  Core (K)  AUG 1 0 1972  Core (K)  Augustity  Au	AIL	Yr. Mo. Day	4. FOCUS II	NSTALLA	ATION CODE: 1	CPW
ARDWARE (include vendor symbol on non-CDC Equipment):  AUG 1 0 1972  CENTRAL SITE:  (1) Mainframe(s)  Model  L.G.P. 21  (2) Console(s)  Model  Quantity				m C	aleulations 4	or Civil En
ARDWARE (include vendor symbol on non-CDC Equipment):  CENTRAL SITE: (1) Mainframe(s)  Model  Quantity  Core (K)  Core (K)  AUG 1 0 1972  GROUP LIAISON  Core (K)  AUG 1 0 1972  GROUP LIAISON  Core (K)  AUG 1 0 1972  Core (K)  AUG (S)  Model  Quantity	\$	Land Surveyi	r3·			
ARDWARE (include vendor symbol on non-CDC Equipment):  CENTRAL SITE: (1) Mainframe(s)  Model  Core (K)  Core (K)  Core (K)  AUG 1 0 1972  GROUP LIAISON  Core (K)  AUG 1 0 1972  Core (K)  AUG (F)  AUG (F)  Core (K)  AUG (F)  AUG				<del></del>	***************************************	
ARDWARE (include vendor symbol on non-CDC Equipment):  CENTRAL SITE: (1) Mainframe(s)  Model  Auguantity  Core (K)  Auguantity  Model  Quantity  Model  Quantity  Model  Quantity  (4) Disk(s)  Model  Quantity  (5) Card Reader(s)  Model  Quantity						Urrica de diser
CENTRAL SITE:  (1) Mainframe(s)  Model  L. G. P. 2J  (2) Console(s)  Model  Quantity  Model  Quantity  (4) Disk(s)  Model  Quantity  (5) Card Reader(s)  Model  Quantity	ARE	WARE (include vendor	symbol on non-CF	OC Equin	ment):	
(1) Mainframe(s)  Model  Line Printer(s)  Model  Quantity  Quantity  Quantity  Quantity  Quantity  Quantity  (3) Tape Transport(s)  Model  Quantity  (4) Disk(s)  Model  Quantity  (5) Card Reader(s)  Model  Quantity  Model  Quantity  (6) Line Printer(s)  (7) Data Cell(s)			-,			700 T 0 1317
(2) Console(s)  Model  Quantity  (5) Card Reader(s)  Model  Quantity						GROUP LIAISON
(2) Console(s)  Model  Quantity  Model  Quantity  (5) Card Reader(s)  Model  Quantity  Model  Quantity  Model  Quantity  (6) Line Printer(s)  (7) Data Cell(s)		Model		Quantity		Core (K)
Model Quantity  Model Quantity  (4) Disk(s)  Model Quantity  (5) Card Reader(s)  Model Quantity  Model Quantity  (6) Line Printer(s)  (7) Data Cell(s)		L.G.P. 21		/	41	<
Model Quantity    Model   Quantity   Model   Quantity   Model   Quantity   Model   Quantity   Model   Quantity   Model   Quantity    Model   Quantity   Model   Quant						
Model Quantity    Model   Quantity   Model   Quantity   Model   Quantity     Model   Quantity   Model   Quantity   Model   Quantity   Model   Quantity   Model   Quantity   Model   Quantity   Model   Quantit						
(4) Disk(s)  Model  Quantity  Model  Quantity  Model  Quantity  (6) Line Printer(s)  (7) Data Cell(s)	(2)	Console(s)		(3)	Tape Transport(s)	
(4) Disk(s)  Model  Quantity  Model  Quantity  Model  Quantity  (6) Line Printer(s)  (7) Data Cell(s)		Model	Quantity			Quantity
Model Quantity Model Quantity  (6) Line Printer(s) (7) Data Cell(s)		**************************************			141	
Model Quantity Model Quantity  (6) Line Printer(s) (7) Data Cell(s)						
Model Quantity Model Quantity  (6) Line Printer(s)  (7) Data Cell(s)					4-1-1-1-1	
Model Quantity Model Quantity  (6) Line Printer(s) (7) Data Cell(s)	(4)	Disk(s)		(5)	Card Reader(s)	
	, . ,	• •	Quantity	,	Model	Quantity
					***************************************	
	(C)	A time Districted A		1-93	Data Call/c)	
woder Quantity woder Quantity	(6)		Ougantitus	(7)		Quantity
		iviodei	Quantity		Wodel	Quantity

ı. (8)	QSE(s) (Quote Special Equip		O
		Description	Quantity
	Cal Comp	Plotter	
		·····	and the second s
(9)	Other Devices		
		Description	Quantity
			<del>,,,,,,</del>
			The second secon
REM	NOTE SITE(S):		
(1)	Computer(s)		
(17	Computer(s)	**	<b>6</b>
		Model	Quantity
	11510	360.40	/
(2)	Other Remote Devices		
		Description	Quantity
	****		
	-		
HARD	WARE PROBLEMS		
. REC	URRING HARDWARE PROBL	EMS:	
	Device	No. of Occurrences	Nature of Failure
		(Or Rate of Occurrences)	
		en e	
	our oninion. CDC's response to	your hardware request(s) has been:	
). In vo			

c. QSS(s) (Quote Special Software)

d. Compiler and Library Routines:

e. Current Problems and Comments:

8. SOFTWARE SYSTEMS

(1) (2) (3) (4)

	TWARE PROBLEMS
a. Re	curring Software Problems:
(1)	Operating System:
(2)	Compilers and System Routines:
b. In	your opinion, CDC's response to your software request(s) has been:
	ExcellentVery GoodGoodFairPo
•	0.172
c. Sy	stem Stability:
	ean time between hardware/software failures
Me	

).	OPERATIONS			· ·
	a. Schedule:	From	То	Day of Week
	Preventive Maintenance			
		10		
٠.			o may	
	Systems Work		May 1	
	Systems Work			
			2	· 6
		·	·	how
	Special Time Allotment			
		**************************************		<u> </u>
	Production			
	Debugs			
	b. Job Scheduling: Describe your job sche	eduling algorithm		
	c. Accounting Method: Charges based on:	V+	+ 126	or chaiges
	c. Accounting Method:	V+	+ /2b	or chaiges
1.	c. Accounting Method: Charges based on:	per hour		
•	c. Accounting Method: Charges based on:	per hour		
i.	c. Accounting Method: Charges based on:	per hour		
	c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any	special problems to	that have not been	accounted for by the above categorie
	c. Accounting Method: Charges based on: Billing algorithm:  SPECIAL PROBLEMS: Describe any	special problems to the implementation	s to your current	accounted for by the above categories configuration: $360 (320)$



CONT	TRIBUTING ORGANIZ	ATION: Workmer	n's Co	mpensation Bo	ard of Alberta	
	dmonton					
	City			Alberta, Cana	ate Prov	
FOC	US CONTACT:					
		Name	ICTALL	ATION CODE	Title WCBA	
DATE	: <u>72/ 08/ 22</u> Yr. Mo. Day	4. FOCUS IN	121ALLA	ATION CODE:	WODA	
OBJE	CTIVES OF INSTALL	ATION: To be	used	for record ke	eping and	
anal	ysis to improve	procedures f	for le	evying assessm	nents and	
coll	ecting from emp	oloyers, and i	for pr	reparing payme	ents to	
inju	red workmen.	lo provide sta	atisti	les for accide	ent	
prev	ention studies	and programs.	•			
					virice <b>of user</b>	
HAR	DWARE (include vendo	r symbol on non-CD	C Equip	ment):	AUG 29 1972	
a. CEN	NTRAL SITE:				म्बद ५७ ।३/१	
(1)	Mainframe(s)				GROUP LIAISON	
	Model	<u>(</u>	Quantity		Core (K)	
	3100		1		32K	
(2)	Console(s)		(3)	Tape Transport(s)		
(-,	Model	Quantity	,,,	Model	Quantity	
	3101	1		608	2	
	*					
(4)	Disk(s)		(5)	Card Reader(s)		
	Model	Quantity		Model	Quantity	
	854	5		405	1	
(6)	Line Printer(s)		(7)	Data Cell(s)		
	Model	Quantity		Model	Quantity	
	501	1		-		
				and a standard and a standard or standard	Andrew Control of the	

FOCUS -	- 8 INSTALLATION REPOR	T Installation Code:	WCBA	Page 2 of
6. a. (8)	QSE(s) (Quote Special Equipme			
		Description		Quantity
(9)	Other Devices			
		Description		Quantity
	MOTE SITE(S):			
(1)	Computer(s)	Model		Quantity
	· · · · · · · · · · · · · · · · · · ·			
(2)	Other Remote Devices			
		Description		Quantity
				•
	WARE PROBLEMS URRING HARDWARE PROBLEM			
a. nec	Device	No. of Occurrences (Or Rate of Occurrences)	Natu	ure of Failure
	Console	15-20 per month	Combine	ed characters
b. In ye	our opinion, CDC's response to you	r hardware request(s) has been:		
	Ver	ry Good Good	Fair	Poor

Longest time period between hardware software failures 3 weeks?

<b>OPE</b>	RATIONS			
a. Sc	hedule:	From	То	Day of Week
	Preventive Maintenance	0600	0900	Tuesday - 2 techs
		0600	0630	Wed, Thurs, Friday - 1 t
	Systems Work			As required
	Special Time Allotment			
	Production	0815	1630	Daily - less test time
	Debugs	· · · · · · · · · · · · · · · · · · ·		2 hours daily if required.
h doi	h Scheduling. Describe vous job s	cheduline algorithm		
b. Joi	b Scheduling: Describe your job s	cheduling algorithm	n	
b. Joi	b Scheduling: Describe your job s			
	N/A counting Method: Charges based on:	N/A		
c. Ac	N/A  counting Method:  Charges based on:  Billing algorithm:  CIAL PROBLEMS: Describe as	N/A	s that have not beer	n accounted for by the above categories:
c. Ac	N/A  counting Method:  Charges based on:  Billing algorithm:  CIAL PROBLEMS: Describe as	N/A ny special problem errors 6-1	s that have not beer O times mon	n accounted for by the above categories: nthly all of which
c. Ac	N/A  Counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe as Tape read parity	N/A ny special problem errors 6-1	s that have not beer O times mon	n accounted for by the above categories: nthly all of which
c. Ac	N/A  Counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe an Tape read parity have been recover	N/A  ny special problem  errors 6-1  able but n	s that have not beer O times mon ot immedia	n accounted for by the above categories: nthly all of which tely.
c. Ac	N/A  Counting Method: Charges based on: Billing algorithm: CIAL PROBLEMS: Describe at Tape read parity have been recover	N/A  ny special problem errors 6-1 able but notice implementation.	s that have not beer O times mon ot immedia	n accounted for by the above categories: nthly all of which tely.

#### LOCAL MODIFICATIONS

- 1. Validate Sequence and Job cards used at WCB.
- 2. Accounting records.
- 3. Standard stock alignment.
- 4. Remove elapsed time from console.
- 5. Removed Endscope from printer.
- 6. Removed standard unit reassignment at Endscope.
- 7. Removed printer (501) line skip after Sequence.
- 8. Buffered typewriter.
- 9. Check IDFILE and LABELFILE entries.
- 10. Open AUXLIB when Sequence card read.
- 11. Open system scratch files when test pack on.
- 12. Return Alphanumeric date when date entered at Autoload.
- 13. Display read parity (tape) block on console and accept block.
- 14. Eliminate duplicate Accounting records with multiple Endscopes.
- 15. System to recognize "CDC 3150" as Source or Object computer in COBOL.

NRL		U.S. Naval Research Laboratory	237
NSB	_	Norges Statsbaner	241
NSI	-	Northrop Services, Inc	245
NSMB	_	The Netherlands Ship Model Basin	250
NSRC	_	Naval Ship Research and Development Center	254
NYED	_	New York State Education Department	260
OSU	_	Oregon State University • • • • • • • • • • • • • • • • • • •	264
PCCK	-	Pennwalt Corporation	268
RBK	_	Regneanlegget Blindern-Kjeller	272
RDLA	_	Research, Development and Laboratory Automation	276
REEC	_	Reynolds Electrical and Engineering Co., Inc	280
SCLL	-	Sandia Laboratories – Livermore	285
SDCS	_	System Development Corporation	289
SFSC	_	California State University, San Francisco	293
SLC	_	Seguros La Comercial, S. A	297
SMRC	_	Spokane Mining Research Center	301
SMU	_	Southern Methodist University	305
SSCE	_	California State University, Sacramento	309
SV	_	Statens Vattenfallsverk	313
TAI	_	Technical Advisors, Inc	317
TEDY	_	Teledyne - Geotech	321
TTSS	_	Altus AFB, 443 TTS, 443 MAW	325
UAMO	; <b>-</b>	University of Arkansas Medical Center	329
UARO	_	US Army Land Warfare Laboratory	333
UCNE	) –	Union Carbide Corporation Nuclear Division	337
UMAN	1 -	University of Manitoba, Computer Dept	342
UMHY	′ –	Hybrid Computer Laboratory - University of Minnesota	351
UMTL	-	Universite De Montreal	355
UPMR	_	USN Pacific Missile Range	359
UPOP	_	Wilkes-Barre Automatic Data Processing Center	363
USCG	; _	United States Coast Guard • • • • • • • • • • • • • • • • • • •	367
USFM	. –	USDA, Forest Service, Region 1	371
UTAB	_	College of Business Administration, University of Texas at Austin	375
VAD	_	Veterans Administration St. Paul, Minnesota	379
V CPW	<i>'</i> -	Ventura County Public Works	383 387
MCD A		Workmen's Compensation Board of Alberta Canada	30/