

15:40 SEP 08, 1975 ID#00F9
JOB :POST, BRU333323132, 7 . TERMINAL JOB
LIMIT (CORE, 16), (TIME, 10)
ASSIGN M:SI, (FILE, RBBATM, :DOOTSI)
ASSIGN M:CI, (FILE, RBBATM, :DOOCI)
METASYM SI, CI, LB, CN
 .SS R0, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15
 .SS SR1, SR2, SR3, SR4, D1, D2, D3, D4, \$
 .END

* CONCORDANCE EXTENDED MEMORY MODE.

* REFERENCE COUNT = 5355. DISK OVERFLOW = 2805.

A&L1	434= EQU	5136/B					
ABNM	3154/LI	6868=TEXTC	6936/EQU				
ABNM1	3153/STW	6936= EQU					
ABORT	3328/MTW	3413/STW	3417/MTW	3480/STW	4414/STW	4460/STW	6780=DATA
ABORTM	3452/LI	3469/LI	6196=TEXTC				
ABRS#	956/BAL	1471/BAL	2060/BAL	3467/BAL	3497= EQU	3511/B	
ABS#1	3499/BNEZ	3504= EQU					
ABSVAL	6721/SET	6721/SET					
ACCNT	4345= EQU	6411/DATA					
ACCPM	3445/LI	6195=TEXTC	6249/DATA				
ACCTBIT	4346/LW	6096= EQU					
ACCTPRT	5715/LM	6516=TEXT					
ACCTPTR	5669/AW	6016=GEN					
ACTBIT	3762/LI	3873/AI	4688/CI	4800=1/CI	6433= EQU		
ADDFRE	95/DEF	612/BAL	1006= EQU	1475/BAL			
ADDIT	988/B	1528= EQU	4636/B	4639/BAL	4673/BAL		
ADDIT1							

	1564/BEZ	1571-EQU					
ADDIT1H							
	1576/BEZ	1582-EQU					
ADDIT2							
	1566-EQU	1573/B					
ADDIT2H							
	1578-EQU	1586/B					
ADDIT3							
	1534/BNEZ	1540/B	1543/BL	1548/B	1553/BNE	1556/BG	1560-EQU
ADDIT3H							
	1562/BNEZ	1574-EQU					
ADDIT4							
	1531/BNE	1541-EQU					
ADDJOB							
	1020-EQU	3421/BAL	3476/BAL				
ADDX							
	516/STW	1022/LW	3224/LW	3351/LW	3392/LW	3466/LW	4230/LW
	6781-DATA						
AF							
	6214/COM	6215/COM	6732/COM				
AIF							
	337-18/B	496-EQU					
AIFJE							
	337-19/B	460-EQU					
AIFNC							
	337-20/B	567-EQU					
AIFNCRB							
	636/BCR	669-EQU					
AIFNCRB1							
	695/BNEZ	700-EQU					
AIFNC1							
	578/BCS	611-EQU	732/BCS	792/B			
AIFOUT							
	659/BE	702/LI	1656/LI	1770/LI	3449/LI	3477-EQU	
AIFX							
	500-EQU	571/BEZ					
AIF1							

AIF2	503/LI	515=EQU					
AL*DCBIT	520/BCS	523=EQU					
ALBIT	421/CW	3576/CW	3766/CW	3870/CW	3928/LW	6455=DATA	
ALGBIT	6443=EQU						
ALL	1172/LI	6501=EQU	6504/DATA	6506/DATA	6510/DATA		
ALLOUT	2960=EQU	3107/B					
ALLRET	2966/B	2977=AI	3016/BCS	3043/BCS			
ALLX	2864/BE	3015/BCS	3105=EQU				
ALL1	1697/STW	1932/MTW	1970/LW	1980/MTW	1996/MTW	3106/MTW	3867/MTW
ALL2	6782=DATA						
ALZ	2959=AI	3859/BAL					
ANLZACCT	2541/B	2962=EQU	4715/B				
ANLZ43	6732=COM						
A0F	5243=CD	5665/ANLZ					
A0FADD	5661=STW	5667/ANLZ					
A0FL	337*22/B	1410=EQU					
A0FNFB	1394/BE	1401/B	1425/LI	1427/BE	1430/B	1438/BL	1474=EQU
A0FNPG	337*21/B	1415=EQU					
	337*23/B	1421=EQU					

	1313/BEZ	1315/BGE	1325-EQU			
ABFP						
	337.24/B	1370-EQU				
ABFP1						
	1379/BCS	1382-EQU				
ABFP2						
	1387/BEZ	1392-EQU				
ABFP3						
	1399/BNEZ	1402-EQU				
ABFRR						
	1419/LI	1460-EQU				
ABFRR1						
	1465/BAZ	1469-EQU				
ABFRR2						
	1467/BNEZ	1472-EQU				
ABFSET						
	1280-EQU	1383/BAL	1411/BAL	1416/BAL	1422/BAL	
ABFSWS						
	1302/BAZ	1308-EQU				
ABFS2						
	1345/BEZ	1352-EQU				
ABFS3						
	1355/BAZ	1363-EQU				
ABF1						
	1404/BEZ	1409/B	1423-LI			
ABF2						
	1414/B	1425-LI				
ABF3						
	1420/B	1428-LW				
ABF4						
	1440.2/BLE	1440.4/BEZ	1440.6/BNE	1440.8-EQU		
ABF5						
	1440.10/BNE	1440.16-EQU				
ARFCN						
	3758/LI	6494-EQU				
ARS						
	1676/LW	1706/STW	1775/STW	2793/LW	4217/LW	6783-DATA

ARSE	1643/AW 2896/LW	1654/STW 6784=DATA	1657/LW	1729/STW	1774/LW	1902/LW	2889/AW
ARSO	1622/LW 4215/LW	1738/STW 6785=DATA	1907/XW	2497/AW	2786/LW	3482/STW	3637/STW
ASTER	1993/LI	1998/AI	6201=TEXTC				
AUTO\$LBG	422/BANZ	428=EQU					
BA	631/LI 2763/CI 3250/LI 5442/LI 6019/GEN 6250/GEN 6258/GEN	664/LI 2765/CI 3313/AI 5877/MBS 6021/DATA 6251/DATA 6853/EQU	750/LI 2981/LI 3557/AI 6009/GEN 6034/DATA 6252/GEN 6893/EQU	828/LI 2995/LI 3783/LI 6013/GEN 6035/GEN 6253/DATA	1772/LI 3054/LI 3792/LI 6014/GEN 6036/DATA 6254/GEN	2196/LI 3054/LI 4220/AI 6015/GEN 6037/GEN 6255/DATA	2761/CI 3129/LI 4875/LI 6017/GEN 6249/DAT 6256/GEN
BADCRD	1668=BA 1954/BCR	1781/BAZ 1956/BG	1822/BANZ 2093/BANZ	1843/BANZ 3073/BANZ	1879/BAZ 3075/BEZ	1891/BAZ	1951/BCS
BADOP	2121=EQU	4319/BNE	4381/B				
BADPRI	3295/LI	6207=TEXTC					
BADRID1	178/DEF	3905/B	3908/B	3911=EQU	3982/B		
BADRID2	3930/BEZ	3936=EQU					
BADRID2A	3934/BANZ	3940=EQU					
BADRID3	3939/BAZ	3944=EQU					
BADRS	145/DEF 6807=RES	3396/LB*	3420/STR*	4234/STW	4333/STB*	5650/STW	5655/LB*
BAD\$ID							

BADSIDP	2866=EQU	3023/BCS	3025/BG	3029/BG	3031/BLE	3047/BCS	3049 ⁶ /BG
BADSID1	1965/BE	1969=EQU					
BADSID2	1971/BEZ	2877=AI	3018/BCS	3044/BCS			
BADSID3	2858/BNE	2869=LI	2878/B	3098/BCR	4431/BCR		
BADSID4	2125/B	2149/B	2870=PSW				
BADSW	2873=EQU						
	2347/BCS	2350/BCR	2351/BCS	2353/BG	2355/B	2360/BCR	2364/BCS
	2368/BCS	2370/BG	2376/B	2378/B	2382/BCR	2383/BCS	2449/BE
	2481=EQU						
BADSYN	4359/BCS	4391/BCS	4396/BCS	4429/BCS	4435/BNE	4443/BNE	4446=EQU
BADVAL	2131/BCS	2135/BCR	2146=EQU	4288/BLEZ	4290/BG	4294/BLEZ	4296/BG
	4402/BG	4448/B					
BADXIT	3205/BCS	3208/BCR	3210/BG	3242/BCS	3245/BCR	3247/BG	3256/BCR
	3264/BCR	3266/BG	3288/BCR	3290/BG	3370=EQU		
BANGRB	1666/CW	1766/CW	6024=DATA				
BANNER	749/BAL	827/BAL	4209/BAL	4253=EQU	5419/BAL		
BASESW	1118/LW	1121/LW	5831=EQU	5844/EQU	5846/EQU	5852/EQU	5862/EQU
	5880/EQU	5882/EQU	5886/EQU	5899/EQU	5903/EQU	5905/EQU	5924/EQU
	5931/BNEZ	5943/EQU	5948/EQU	5959/EQU	5974/EQU	5979/EQU	5981/EQU
	5983/EQU	5985/EQU	5987/EQU				
BBICOPY	221/REF	622/STB	1137/LB	1287/STB	1316/LB	1361/STB	2264/LB
	4576/STB	5592/LB	6736/ALZ				
BBIDEV	188/REF	617/STB	866/CB	948/CB	1048/CB	1337/STB	2303/CB

	2424/STB 5097/LB	2547/CB 5108/STB	4054/LB 5147/CB	4567/STB 5565/LB	4633/STB 5607/LB	4944/STB 5997.21/CB	5051 ⁷ /CB 6737/ALZ
BBIJDE	219/SREF	1085/LB	1351/STB	1391/STB	4574/STB	5617/LB	6752/ALZ
BBIPI	188/REF	4246/STB	5001/STB	6738/ALZ			
BBIRID	188/REF 2932/CB 5110/STB	618/STB 2967/CB 5541/LB	868/CB 4248/STB 5552/LB	1050/CB 4568/STB 5605/LB	1329/STB 4946/STB 5636/LB	1441/CB 5093/CB 6739/ALZ	2426/STB 5095/LB
BCP	1642/LW 2785/LW	1653/SW 2912/SW	1659/LW 4210/LW	1660/AW 4214/LW	1677/AW 6786=DATA	1723/STW	1739/LW
BCSTPTR	4836/LW	4855/LW	6013=GEN				
BDIACCT	189/REF	3225/STD	5243/CD	6740/ALZ			
BDDEV	6184=TEXTC 6308/VEC	6301/VEC 6309/VEC	6302/VEC 6310/VEC	6303/VEC 6314/VEC	6304/VEC	6306/VEC	6307/VEC
BDFLD	6182=TEXTC	6305/VEC	6315/VEC	6316/VEC	6317/VEC	6318/VEC	6319/VEC
BDJM	6147/EQU	6190=TEXTC	6320/VEC				
BDRESM	6191=TEXTC	6321/VEC					
BDSWM	6186=TEXTC	6322/VEC					
BHICOMID	243/REF 1440.3/MTH 5819/LH	1056/LH 1440.5/CH	1145/LH 4056/LH	1151.2/STH 4976/MTH	1367/STH 4988/MTH	1405/STH 5595/LH	1428.1/LH 5807/LH
BHIGRAN	193/REF 5572/LH	620/STH 6754/ALZ	1157/LH	1298/STH	2259/LH	4577/STH	4593/MTH
BHIMPRI	130/DEF	502/LH	977/LH	982/STH	1008/LH	1224/LH	1270/LH

	1282/LH 6768=EQU	1572/STH	1575/LH	1579/STH	4548/LH	4550/STH	6741/ALZ ⁸
BH:LINK	189/REF 1569/STH	981/LH 1577/STH	991/LH 1585/STH	994/LH 2086/STH	995/STH 4549/LH	1273/LH 6742/ALZ	1565/STH
BH:PART	189/REF	3425/CH	5384/LH	5678/LH	6743/ALZ		
BH:SID	189/REF 2929/CH 5279/CH	625/STH 4057/LH 5362/CH	1139/LH 4250/STH 5538/LH	1152/LH 4566/STH 5997=19/CH	1336/STH 4940/STH 6744/ALZ	1439/CH 5034/CH	2268/LH 5087/CH
BH:SLNK	188/REF 6745/ALZ	3393/LH	3498/LH	4244/STH	4369/LI	4406/LH	5479/LH
BH:TIME	190/REF	4242/STH	4352/STH	5644/LH	6746/ALZ		
BH:TPRI	131/DEF 6774=EQU	985/STH	1563/LH	1567/STH	1583/STH	4937/LH	6747/ALZ
BH:XLNK	188/REF 6748/ALZ	3500/LH	3503/STH	4245/STH	4364/LI	4408/LH	5483/LH
BI:ASPN	138/DEF	6806=RES					
BKFM	1873/LI	5307/LI	6209=TEXTC				
BKSBIT	6495=EQU	6496/DATA					
BKSW	5067/B	5072/B	5219=EQU				
BKSWM	5220/LI	6149=TEXTC					
BKSW1M	5163/LI	6150=TEXTC					
BL:IFS	210/REF	1549/LI					
BL:OFS							

BLANK	210/REF	1552/CI	1555/CW	4522/MTW	4524/MTW		
BOMSK	235/REF	5877/MBS					
BOOTFLG	1626/LI	2102/LI	6109-EQU				
BPBIT	223/REF	255/LW					
BRSTFCN	6419-EQU						
BRSTPTR	6108-EQU						
BRSTWH	4211/AW	6011-GEN					
BRSTW2	4266/AW	6061-DATA					
BSCBTS	4263/AW	6060-DATA					
BSLICRES	133/DEF 6460-DATA	422-1/CW	2561/CW	3570/LW	3682/CW	3938/CW	4761/CW
BSZFLD	140/DEF	3398/STM	3401/MTW	3406/LH	6804-RES		
BT31T00	6188-TEXTC	6300/VEC					
BUF	238/REF	3494/0R					
BUFBA	1126/AI	5951/LI	5985-EQU				
BUFBUT	1128/STW	5869/LW	5881/LW	5906/LW	5913/SW	5922/LW	5983-EQU
BUFSZ	5880-EQU	5919/BCS	5921/BNE	5973/B			
BUFSZSW	3736/STW	3739/AI	3752/AI	3754/AI	3756/AI	6490-EQU	
BUFX	5962/LI	5986-EQU					

	3743/LB	6977=ERU					
BUF1	3749/STW	3750/AI	6486=ERU				
BUF2	3747/STW	6487=ERU					
BUF3	3757/STW	3776/STW	6488=ERU				
BUF4	3748/STW	3774/AI	3799/LI	6489=ERU	6896/ERU		
BWIFORM	221/REF	616/STW	660/LW	870/CW	942/LW	1069/CW	1074/LW
	1343/STW	1385/STW	2234/LW	2251/LW	4055/LW	4125/LW	4570/STW
	4631/STW	4979/STW	5588/LW	6749/ALZ			
BWIFQVL	219/SREF	266/LI	1080/LI	1082/LW	1344/LI	1347/STW	1386/LI
	1389/STW	4571/LI	4573/STW	5603/LI	5610/LW	6753/ALZ	
BWISDA	190/REF	510/STW	878/XW	1052/LW	1133/AND	1159/LW	1162/STW
	1226/LW	1293/STW	1307/STS	1454/LG	1455/STS	1464/CW	1479/CW
	1545/CW	1928/STS	2066/STS	2238/LW	2409/CW	2429/STS	2436/STS
	2545/CW	2973/CW	4342/STS	4582/STW	5090/CW	5106/STS	5151/STS
	5545/LW	6729/DATA	6750/ALZ				
B4WIRES	190/REF	1440+13/AI	4233/AI	4996/AI	5005/AI	5649/AI	6751/ALZ
B8ICRES	142/DEF	6805=RES					
C1ETM	224/REF	2322/LW					
CANTSTOP	5996/LI	6212=TEXTC					
CBB	6471=ERU						
CCMVD	1698/STW	2782/MTW	2794/MTW	2886/LW	2909/LW	6789=DATA	
CCRB	6214=COM						
CCTMP							

CEB	1701/STW	1959/STW	1963/LW	4853/LW	4862/STW	4870/STW	6852 ¹¹ -DATA
	1951/BCS 3264/BCR	1954/BCR 3288/BCR	2135/BCR 3560/BCS	2350/BCR 3563/BCR	3021/BCR 6110-EQU	3208/BCR	3245/BCR
CEP	3256/BCR	6111-EQU					
CFC	3759/STW	6477-EQU					
CHAINHD	1408/MTW	1561/MTW	1580/MTW	6859-DATA			
CHKALL	2856-EQU	3021/BCR					
CHKCONT	2108/BCS	2156-EQU					
CHKHLD	1924/B	1930-EQU	1946/B				
CHKREL	1940/B	1944-EQU					
CHKRS	3355/LI	4308-EQU					
CHKSTAT	1992-EQU	3868/BAL					
CHNG	875/BAL	975-EQU	1156/BAL	1470/BAL	2081/BAL		
CHNGRSET	2063/B	2080-EQU	5010/B	5997.25/B			
CHNG1	979/BNE	990-EQU	993/BNE				
CHNG2	983-EQU	996/B					
CHNG3	980-EQU	1009/B	1023/B				
CKG0	2937/BAL	2969-EQU	5281/B				
CKJB	1533-EQU	1617/BAL					
CKSERX							

CKSR2	4407/BAL	4409/BAL	4449= EQU	4465/B			
CLEARMF	4452/BNE	4454/BNE	4463= EQU				
CLKBIT	4625/BAL	4664/BEZ	4676= EQU				
CLSSYM	6434= EQU						
CLSXX	4743= EQU	4751/BNEZ	4753/BEZ	4755/LI			
CLSXX0	3139/CAL1	5128/CAL1	6350= EQU				
CMAB	958+41/CAL1	6386+31= GEN					
CMDVCHK	5735/BR	6062= DATA					
COBLMSK	4084+6= BDR	4084+10/B					
C ^B M	1853/LI	2110/LI	2152/LI	2874/LI	3045/LI	4357/LI	4398/LI
COMA	611 ² = EQU						
C ^B ME	1625/STB	2485/STB	2902/LB	3325/STB	4206/STB	6787= DATA	
COMEDIT	2106/BCR	2360/BCR	2365/BCS	2382/BCR	3018/BCS	3044/BCS	4430/BCS
COMIDOK	611 ³ = EQU						
COMIDX	2131/BCS	2347/BCS	3098/BCR	3205/BCS	6114= EQU		
COMMSK	634/BAL	662/BAL	3240/BAL	3249/BAL	3253/BAL	3285/BAL	3363= EQU
COMODMSG	1059/BE	1068= EQU					
	5601/STW	5602/LI	7066= EQU				
	3258/LI	6115= EQU					
	4116/LI	7023= TEXTC	7024/ EQU	7025/ EQU	7026/ EQU		

COMODM1	1153/STW	4058/STW	4106/LW	4108/STW	7024-EQU		
COMODM2	4114/STW	7025-EQU					
COMODM3	4115/STW	7026-EQU					
COMRET	1848/BAL 3066/B 4303/B 4394/BAL	1960/BAL 3095-EQU 4334/B 4445/B	2130/BAL 3241/BAL 4338/B	2151/BAL 3260/BAL 4343/B	2155/B 3283/BAL 4344/EQU	2876/B 4292/B 4353/B	2954/B 4298/B 4355/BAL
COMRET1	2942/BNEZ	3094-LI					
COMRET2	2107/BAL	3099-EQU	4430/BGS				
COMSELECT	5375/BAL	5471/BAL	5804-EQU				
CONT	2162/MTW	3336/MTW	3338/MTW	3481/STW	6788-DATA		
CONTCK	3744/STW	6480-EQU					
CONTROL	284/LI	313-EQU					
COPX	5594/STW	7065-EQU					
CP	4287-EQU	6345/DATA					
CPB	6470-EQU						
CRB	3751/STW	3827/AI	6472-EQU				
CRCH	3814/BAL	3888-EQU	3900/BDR				
CRCH1	3892/BE	3898-EQU					
CRCTBL	3896/LH	6590-EQU					

CRDPTR							
CTRBIT	1718/LW	6023=GEN					
	426/AI	6432=ERU	6461/DATA				
CTR1	170/DEF 1480/BANZ 3875/LI 4896/LI 5046/LI 5502/BNEZ	286=ERU 1481/LI 3943/LI 4911/BEZ 5162/BNEZ 5503/LI	336/BG 2672/B 4802/BAZ 4921/LI 5187/BNEZ 5509/LI	337=17/R 2682/LI 4820/LI 4948/BNEZ 5194/LI 5994/B	427/B 2688/LI 4839/BEZ 4949/LI 5287/B 5995/LI	643/LI 3484/BEZ 4871/B 4953/LI 5305/B	1477/BE 3485/LI 4892/BEZ 5040/LI 5308/LI
CTR2	171/DEF	308=ERU	376/BANZ	378/LI			
CTR3	316/BEZ	369=ERU					
CTR4	172/DEF	288/BNEZ	297/BNEZ	299=ERU	1169/LI	5256/B	
CTR5	174/DEF	328=ERU					
CTR6	301/BCS	310=ERU					
CURBQ	211/REF	4015/CW					
CURSID	498/STW	3227/LH	4222/LW	4249/LW	4563/LW	5418/STW	6790=DATA
CVT	2839/STW	2849/MW	3181/STW	3185/DW	6791=DATA		
CVTHEX	2844=ERU	2852/BDR					
CVTSID	1958/BAL	2137/BAL	2838=ERU	3027/BAL			
CVTYP	2377/BAL	2421/BAL	2454=ERU	5071/BAL	5143/BAL		
CVTYPL	2456/BEZ	2468=ERU					
CWB	3775/STW	6473=ERU					

DA	637/LI	6235/EQU	6235/EQU	6242/EQU	6242/EQU	
DATE	223/REF	5431/LM				
DBRPTR	5441/AW	6018=GEN				
DCBIT	6444=EQU					
DCT*MASK	216/REF	4166/AND	4607/AND			
DCTSIZ	194/REF					
DCT16	194/REF	637/LI	1188/LD	1599/LD	4111/LD	5761/LD
DCT4	194/REF					
DCT7	194/REF					
DCT8	207/REF	3585/STW	4812/STW			
DCT9	207/REF	3586/STW	4814/STW			
DDVM	2044/STB	2045/LI	6908=TEXTC	6909/EQU	6910/EQU	6911/EQU
DDVMSZ	2039/LI	6912=EQW	6913/EQU			
DDVMSZF	2043/LI	6913=EQW				
DDVMXS	2036/LD	6903=EQU				
DDVM1	2035/STW	6909=EQU				
DDVM2	2037/STW	2038/STW	6910=EQU			
DDVM3	2042/STW	6911=EQU				
DEC						

	103/DEF 2328/BAL 5645/BAL	1602/BAL 2333/BAL 5660/BAL	2245/BAL 3176-EQU 5782/BAL	2262/BAL 5542/BAL	2265/BAL 5582/BAL	2318/BAL 5593/BAL	2323/BAL 5618/BAL
DECZ	1277-AI						
DEL	2054-EQU	4718/BE	5012/LI	5020/CI	5245/BAL		
DELBIT	1456/CW	2065/LW	2972/LW	6099-EQU			
DELJOB	180/DEF	522/BEZ	1744/LI	3474-EQU	4149/LI		
DELPRI	128/DEF 1426/CI 4672/LI	589/LI 1458/LI 5997.24/LI	652/CI 1468/LI 6091-EQU	1223/LI 1476/CI	1229/LI 1530/CI	1393/CI 2062/LI	1400/LI 3475/LI
DEL1	2058-EQU						
DEL2	2057/BG	2061-EQU					
DEL3	2056/BE	2064-EQU					
DELB	2072/B	2075-EQU					
DEVX	5570/STW	7058-EQU					
DFLTPRI	3261/BCS	3267/BL	3358-EQU				
DFMX	5591/STW	7062-EQU					
DH1	3183-EQU	3193/BG					
DIALBIT	4690/CW	6445-EQU					
DIM	5522/LI	7041-TEXTC					
DISCBIT	2595/AI	6439-EQU					

DISCM	2593/LI	6152/EQU	6962=TEXTC	6963/EQU				
DISCM1	6963= EQU							
DISMESIN	283/LI	5368/LI	5387/LI	5461/LI	7036=TEXTC			
DISMESIR	275/LI	5458/LI	7034=TEXTC					
DISMESB	269/STB	5364/LI	5374/LI	5449/LI	7031=TEXTC			
DISP	5442/LI	7027=TEXT	7028/EQU	7029/EQU	7030/EQU			
DISPB1	7028= EQU							
DISPB2	5421/LI	7029= EQU						
DISPB3	7030= EQU							
DISPSER	5482/BAL	5486/BAL	5730= EQU	5745/BL				
DLE	3891/CI	6493= EQU						
DMPABN	958=46=LH	6386=18/DATA						
DMPER	958=50=LH	6386=3/DATA	6386=4/DATA	6386=17/DATA	6386=29/DATA	6386=30/DATA	6386=37/DATA	
	6386=38/DATA							
DMPRSD	958=24/B	958=35= EQU						
DMPRSDC	958=41= CAL1	958=54/BANZ	958=55/B					
DMPRSDS	958=39= CAL1	958=60/B						
DOJOB	539/B	4204= EQU						
DOM	5526/LI	7038=TEXTC						

D00P	2117/BE	2126=EQU	4322/B	4326/B
D0RES	3339/B	3342/BE	3348-CI	
D0SSS	2511/BNE	2514=EQU		
D0STAT	1978/B	1985=EQU		
DPDTBL	3665/LB	6991=EQU		
DSKFCN	4168/LW	6071=GEN		
DSR0	5743/BEZ	5747=EQU		
DUMES	408/LI	6145=TEXTC		
DUMRCK	4321/LI	4335=EQU		
DUMRES	4315/BE	4317/BE	4320=EQU	
DUPBIT	6420=EQU			
E1ABRT	195/REF	2073/LI		
E1SL	195/REF	377/LI		
E1SYMF	195/REF	4279/LI		
E1UQA	195/REF	5251/LI		
EB4P1	1807=WD			
EDISBIT	4694/CI	6442=EQU		
EDISM	4696/LI	6155=TEXTC		
EDIT				

EM	676/BAL	678/BAL	3360/BAL	3365=LW			
EMBIT	4299=EGU	4306/B	6348/DATA				
ENDCHK	4301/LI	4305/LI	5864/CI	6421=EGU			
ENDC1	4397/LI	4425=EGU	4462/B				
EBC	4392/B	4432=EGU					
	1646/CI	1715/LI	1852/BCS	2108/BCS	2168/BCS	2351/BCS	2364/BCS
	2368/BCS	2383/BCS	3015/BCS	3016/BCS	3022/BCS	3041/BCS	3043/BCS
	3100/BCS	3242/BCS	3261/BCS	3284/BCS	3547/LI	4359/BCS	4391/BCS
	4396/BCS	4429/BCS	6117=EGU				
EBCMSK	1649/LI	2172/LI	6116=EGU				
EBSER	5744/CI	7070=EGU					
FFLG	2406/MTW	2445/MTW	2925/STW	2936/MTW	2941/MTW	2975/MTW	6792=DAT
FIABIT	1630/LI	2525/CI	2527/AI	6428=EGU			
FIACOM	1628/CI	6235=EGU					
FIASET	2491/B	2498/BNEZ	2522=EGU				
FIASET1	2528=EGU	3879/B					
FIA1	2532=BEZ	2559/B					
FIA2	2542/B	2544/BLE	2550=EGU				
FIA3	2534/BANZ	2557=EGU					
FINBIT	6422=EGU						
FIND							

	91/DEF 2280/BAL 5813/BAL	862/BAL 2927/BAL 5997.15/BAL	938/BAL 2965/BAL	1044/BAL 5032/BAL	1268-EQU 5083/BAL	1276/BGEZ 5277/BAL	1429/BAL 5352/BAL
FINDSID	2922-EQU	3032/B					
FIND1	93/DEF 1049/BNE 1093/BNEZ 2935/B 5052/BNE 5148/BNE 5412/BE	867/BNE 1051/BNE 1095/BLZ 2939/BG 5053/LI 5178/B 5489/B	869/BNE 1055/BANZ 1106/BLEZ 2963/LI 5088/BNE 5280/BNE 5821/BNE	871/BNE 1061/BNEZ 1272-EQU 2968/BNE 5091/BANZ 5363/BNE 5997.20/BNE	944/BE 1065/BE 1440/BNE 2974/BANZ 5094/BE 5376/B 5997.22/BNE	946/BE 1073/BNEZ 2285/B 3864/LI 5100/BNE 5386/BANZ 5997.23/LI	952/B 1076/B 2930/BNE 5035/BNE 5118/B 5409/B
FINFLG	149/DEF	508/MTW	2496/LW	2500/MTW	3479/STW	6793-DATA	
FINOUT	2597-EQU	3877/BAZ					
FINWRT	1900/BAL	2607-EQU	4905/B				
FIPRI	124/DEF	2279/LI	5028/AI	5359/LI	6085-EQU		
FLAGS	150/DEF 1915/STS 3036/LW 3718/LW	430/STW 1935/STS 3217/LW 3858/LW	701/STW 2428/AND 3514/STW 3869/LW	1589/STW 2490/LW 3589/STS 3927/LW	1631/STS 2493/LW 3597/STS 4302/STS	1637/LW 2505/LW 3657/LW 4687/STW	1748/STW 2524/LW 3681/LW 6796-DAT
FLD	1591/STD 2983/STW 4361/LW	1615/LD 2984/STW 4404/LW	1858/LW 3051/LH 6361/DATA	2115/LW 3113/LD 6968-TEXT	2372/LH 3129/LI	2863/CW 3132/STB	2981/LI 3212/LD
FLG	2342/STW 6974-EQU	2392/AND	2396/AND	3572/CS	3574/CW	3580/CW	3596/LW
FLINK	1684/LW	4183/STW	6797-DATA				
FLKBIT	579/LI	6502-EQU	6512/DATA				

FLUSHX							
5997.16/B	5997.18/BL	5997.26-EQU					
FMSBIT							
2529/LI	2622/AI	2668/AI	4127/LI	6511-EQU			
FQH1							
1673/BNEZ	2489-EQU						
FOPRI							
1397/LI	1423/LI	2926/LI	2961/LI	5082/LI	5997.14/LI	6088-EQU	
FORCE							
2731-EQU	2893/BAL						
FORMS							
1863/BAL	5302/BAL	5322-EQU					
FORM1							
5325/BANZ	5328/BE	5331-EQU					
FOUND							
4378/BE	4382-EQU						
FQVLX							
5615/STW	5616/STW	7067-EQU					
FQ0							
2495/BAZ	2499-EQU						
FQ1							
177/DEF	2504/BANZ	2507/BAZ	2520-EQU				
FQ2							
2526/BAZ	2532/BEZ	2560-EQU					
FQ4							
2567/BAZ	2573-EQU						
FQ5							
2562/BANZ	2569/BANZ	2572/B	2577-EQU				
FQ6							
2579/BAZ	2596-PLW						
FQ7							
2500/BAZ	2605-EQU						
FRBIT							
6423-EQU							
FRECK							
5160/BAL	5179-EQU	5218/BAL					
FREI							

	125/DEF 1549/LI	501/LI 6092=EQU	957/LI	1021/LI	1233/LI	1462/LI	1542/ ²² CI
FREB	126/DEF	873/LI	1007/LI	1155/LI	1281/LI	4547/LI	6093=EQU
FREPG	3703/CAL1	4509/CAL1	5183/CAL1	6004=GEN			
FRE256	98/DEF	3486/B	4497=EQU	4682/BAL			
FRMCK	1029/STW 4124/STW	1072/MTW 4132/STW	1183/MTW 4136/LW	1184/LW 6794=DATA	4067/STW	4087/STW	4089/LW
FRMM	1191/STD	1192/LI	6929=TEXTC				
FRMMX	1190/AW	6057=DATA					
FRMNM	1075/STW	2625/LW	6036=DATA	6795=DATA			
FRMX	2253/STW	7010=EQU					
FRSTPG	4472/LW	4493/MTW	4495/STW	4498/SW	6799=DATA		
FSID2	2933/BE	2936=MTW					
FSID3	2928/B	2940=EQU					
FSID4	2946=EQU	3065/B	3070/B				
FSID6	2948=EQU	2957/B					
FSID7	2945/BEZ	2955=EQU	3069/B	3079/R			
FVP	1129/CAL1	3711/CAL1	3832/CAL1	4781/CAL1	6008=GEN		
FXSYM	4742/BNEZ	4749=EQU					
FOB2	5767/LW	5779/LW	6055=TEXT				

F1							
F1B2	4504= EQU	4512/B					
F1TBL	5544/LW	6054= DATA					
F2TBL	3630/LH	6985= EQU					
GBG	3644/LH	6986= EQU					
GDA	196/REF	4656/BAL					
GDEL	504= EQU	623/BAL					
GDNNB	1027/BE	1222= EQU					
GEBC	2296= BDR	2299/BANZ	2301/BEZ	2304/BNE	2418/BDR	2422/BDR	4133/BDR
GEBCR	1726/BAL	2171= EQU					
GEBCX	1722= EQU	1773/BAL					
GETFLD	1731/BEZ	1735= EQU					
GETSER	1857/BAL	2112/BAL	2371/BAL	2861/BAL	2980= EQU	3050/BAL	3111/BAL
GETUSER#	3130/BAL	3211/BAL	4360/BAL	4403/BAL			
GET ² 56	4387/BGE	4393= EQU					
GFCSTRT	196/REF	2071/BAL					
GFXP	97/DEF	526/BAL	2713/BAL	4467= EQU			
GGRAN	337*17=B	337*48/EQU					
	2681/LI	6872= DATA					
	779/BAL	4578/BAL	4592/BAL	4653= EQU	4659/B		

GIFNC	337+26/B	852=EQW			
GINCC	874=EQW	958/B			
GINCD	900/B	5348=EQW			
GINCDO	855/BNEZ	892=EQW			
GINCD1	902=EQW	5499/BE			
GINCG1	947/BL	954=EQW			
GINCG0	872=EQW	949/BE	951/BAZ		
GINCSPI1	924=EQW	933/B			
GINCSPI2	921/BLE	931=EQW			
GINCSPO	894/BNE	911=EQW			
GINCSP1	928/BGE	930/B	934=EQW		
GINCWMF	4629/BNE	4637=EQW			
GINC1	856=EQW	909/B	913/BEZ	915/BEZ	923/BG
GJBB	3673/LD	6992=EQW			
GMB	196/REF	4019/BAL			
G0F	337+25/B	1025=EQW	1248/LI		
G0FF	1071=EQW	1084/BNE	1087/BNE		
G0FG0	1091/BAZ	1136=EQW			
G0FG0T					

	1070/BE	1077-EQU			
G0FG0TIT	1079/BNE	1081/BEZ	1088-EQU		
G0FGSW	1130-EQU				
G0FRFM	1187/BCR	1235-EQU			
G0F1	1045/B	1047/BL E	1182-EQU		
G0F2	1146/BEZ	1154-EQU	1232/BG	1234/B	
G0F3	1163-EQU	1213/BCS	1214/LI		
G0F4	1039/BCS	1043-EQU			
G0F5	1185/BEZ	1210-EQU			
G0F6	1208-LW	1225/BEZ	1245/BNE	1247/BNEZ	2630/LI
G0TTAIL	4722/BEZ	4724/BEZ	4727-EQU	4735/B	
GRBPG	3691-EQU	3704/B			
GRBPGR	3683/BANZ	3687-EQU			
GRNLMS	1320/CW	6126-EQU			
GRNX	5586/STW	7063-EQU			
GRNX1	5587/STW	7064-EQU			
GRPG1	3695/BEZ	3701-EQU			
GS1	4395-EQU	4426/LI			
GTDBT	2656-CB	2660/BDR			

GTDVNM	2254/BAL	2289=EQW	2419/BAL			
GTDVNM1	2291=EQW	4128/BAL	5561/BAL			
GTDVX	2375/BAL	2637/BAL	3068/BAL	3078/BAL	3081=EQW	4925/BAL
GTDVXX	3085=EQW	3089/BEZ	3091/BNE			
GTPG	259/CAL1	3702/CAL1	4489/CAL1	5124/CAL1	6009=GEN	
GTT1	4729/BAZ	4733/BEZ	4736=EQW	4748/B		
G1	4475=EQW	4480/B				
G2	4477/BANZ	4481=EQW				
G3	4483=EQW	4494/BNEZ	4496/B			
G4	4471/BEZ	4488=EQW				
H\$CMP1	234/SREF	5963/BAL				
H\$LCL	5845/LI	5886=EQW				
H\$L1	5893/BCS	5899=EQW				
H\$L2	5898/B	5903=EQW				
H\$L3	5896/BE	5902/BCS	5905=EQW			
H\$L4	5959=EQW	5969/BNE				
H\$STCXT	3720/BAZ	3746=EQW				
H\$STRT	3771/B	3822/B	3825=EQW			
H\$STRT1						

H\$STRT ²	3769/BANZ	3772=EQW					
H\$S3	3767/BAZ	3823=EQW					
H\$S4	3788/BEZ	3791=MBB					
HA\$SSSBT	3784/B	3796=EQW					
HALBIT	1780/CW	6456=DATA					
HARIDBT	1424/LI	1931/LI	1934/LI	2439/LI	5111/LI	6436=EQW	
HASPBIT	229/SREF	6078/GEN					
	1132/LW	1306/AW	1790/CW	1878/CW	1890/CW	2092/CW	2386/LW
	2427/LW	2494/CW	2503/CW	2746/LW	3072/CW	3528/CW	3658/CW
	4728/CW	4794/CW	4808/CW	4815/SW	5078/AND	5149/LW	6448=DATA
HASPCU	206/SREF	6031/DATA					
HASPIB	206/SREF	6030/DATA					
HBB	3755/STW	6467=EQW					
HCHK	2388/BE	2391/BAZ	2395=EQW				
HDR	1608/LI	2761/CI	6938=TEXTC	6947/EQU	6948/EQU	6949/EQU	6950/EQU
HDRM	6013/GEN	6950=EQW					
HDR1	1600/STD	6947=EQW					
HDR2	1603/STW	6948=EQW					
HDR3	1598/STD	6949=EQW					
HEXC	104/DEF	627/BAL	822/BAL	2269/BAL	3152/BAL	3179=EQW	3233/BAL

HLD	4107/BAL	4224/BAL	5191/BAL	5535/BAL	5539/BAL	5600/BAL	5773/BAL ²⁸
HLDX	1490/B	1925=EQW	4719/B				
HLD1	5549/STW	7057=EQW					
HNDL	1927=LW	1943/B					
H0*DLBT	3583/LD	6029=EQW					
H0LDBIT	1428/LW	6100=EQW					
HPB	1478/LW	2530/LW	6101=EQW				
HRB	6466=EQW						
HRSIDOT	3738/STW	3753/STW	6468=EQW				
HSCP1	229/SREF	6077/GEN					
HSCP2	2808=EQW	2829/B					
HSEIDOT	2819/BGZ	2826=EQW					
HSPCMP	229/SREF	6079/GEN					
HU#5	2743/BNEZ	2748/BNEZ	2796=EQW				
HUBIT	4809/BAZ	4811/BEZ	4817=EQW				
HUMES	6427=EQW						
HU1	4819/LI	6153=TEXTC					
HU2	4689/BAZ	4695/BAZ	4710=EQW				
	4716/B	4720=EQW					

HU25							
HU3	4712/BEZ	4760=EQW					
HU4	4762/BAZ	4765/BEZ	4767/BAZ	476813/B	4782/B	4784=EQW	
HWB	4795/BANZ	4800=EQW					
IBMBIT	6469=EQW						
IBRM	6446=EQW						
IBRM1	2330/LI	6924=TEXTC	6925/EQU				
IBWM	2329/STW	6925=EQW					
IBWM1	2335/LI	6926=TEXTC	6927/EQU				
ICUM	2334/STW	6927=EQW					
ICUM1	2320/LI	6920=TEXTC	6921/EQU				
ID	2319/STW	6921=EQW					
	1757/LB	1763/LD	1764/LW	1772/LI	2649/LH	2653/LW	2679/LW
	3531/LB	3535/LB	3539/LB	3540/LD	3548/LD	3548/STB	3557/AI
	3882/LB	3883/LD	4912/STB	4915/LI	6015/GEN	6017/GEN	6996=EQW
IDCPTR	4908/LW	6015=GEN					
IDPTR	1751/LW	3520/LW	6017=GEN				
IDUBTS	3120/LW	6458=DATA					
IETM	2325/LI	6922=TEXTC	6923/EQU				
IETM1	2324/STW	6923=EQW					
IGBIT							

IGMES	2598/LW	6435=EQU					
IGTRAPS	2601/LI	6203=TEXTC					
IJTYPE	260/CAL1	6006=GEN					
ILID	4383/STW	4405/LW	6803=RES				
ILIDM	3560/BCS	3563/BCR	3565/BG	3567/B	3575/BAZ	3577/BAZ	3584/BEZ
ILJOBM	3907/LI	6175=DATA					
INAM	3376/LI	6147=EQU					
INAM1	698/LI	6873=TEXTC	6875/EQU	6876/EQU	6877/EQU		
INAM2	630/STW	631/LI	6876=EQU				
INAM3	674/STW	6877=EQU					
INBIT	663/STW	664/LI	667/STW	671/STW	6875=EQU		
INC11B	1833/LI	1898/CI	2290/LI	2529/LI	3641/CI	4127/LI	5556/LI
INFIL	6497=EQU						
INITRBG	1500/B	2306=EQU					
INPPTR	210/REF	1231/CI	6730/DATA	6734/DATA	6772/DATA	6777/DATA	6778/DATA
INPTM	251=EQU	7072/END					
INVRN	628/LD	6255=DATA					
	6199=TEXT	6255/DATA					
	153/DEF	6817=EQU					

INVRNSZ							
	155/DEF	6820=	EQU				
IOFCN							
	2754/LI	6107=	EQU				
IRS							
	3733/LI	6450=	EQU				
ITMM							
	2315/LI	6918=	TEXTC	6919/	EQU		
ITMM1							
	2312/LI	6919=	EQU				
JBAB1							
	3468=	EQU					
JBMS							
	3237/LD	6248=	EQU				
JDEX							
	5620/STW	5621/LI	7068=	EQU			
JEBIT							
	136/DEF	463/LW	5639/CW	6104=	EQU		
JEDEL							
	337.33/B	5234=	EQU				
JEFND							
	5237/BAL	5260/BAL	5272=	EQU			
JESTAT							
	337.32/B	5257=	EQU				
JES1							
	5262/BL	5267=	EQU				
JEX							
	879/B	958.33/B	958.44/B	5244/RNE	5248=EQU	5266/B	5271/B
	5278/B						
JEX1							
	863/B	865/BNE	939/B	941/BL	5246=EQU		
JIT							
	223/REF	252/LC					
JOBABRT							
	3418/BNEZ	3451=	EQU				
JOBCOM							
	4205/LI	6243=	EQU	6244/	EQU		

JOBBDN					
JOBMP	3284/BCS	3292=EGU			
JOBMT	6198=TEXT	6253/DATA			
KBCST	6197=TEXT	6251/DATA			
KBHD	337.37/B	4834=EGU			
KBH1	4846/BL	4867=EGU			
KBH2	4843=EGU	4848/BEZ	4850/BEZ	4852/BAZ	4865/LI
KCOM	4854/BNEZ	4863=EGU			
KCOMEM	337.35/B	4907=EGU			
KCOMERR	4952/LI	6151=TEXTC			
KCOMM	4914/BAZ	4926/B	4951=EGU		
KCOMX	4932=EGU				
KDAL	4917/BEZ	4920/BAZ	4923=EGU		
KDALB1	5349/LI	5410=EGU			
KDALBUT	5420/LI	5439=EGU			
KDALBU1	5451/B	5467/BAL	5474/BAL	5690=EGU	
KDALO1	5692/BEZ	5709=EGU			
KDAL1	5417/BNEZ	5445=EGU			
KDAL2	5415/BNEZ	5452=EGU			

KDAL25	5450/LI	5454/BG	5456/BNEZ	5469-EQU	
KDAL3	5472/B	5476/BGE	5478/BNEZ	5484/BEZ	5487-EQU
KDAL35	5448/BL	5457-EQU			
KDBI	5460/BEZ	5465-LI			
KDBI01	5551/BL	5627-EQU			
KDBI1	5637/BNEZ	5643-EQU			
KDBI2	5654-EQU	5664/BDR			
KDBI3	5681-EQU	5688/BDR			
KDBI35	5553/BEZ	5564-EQU			
KDBI4	5555/B	5562-LI			
KDBI45	5563/B	5567-EQU			
KDBI5	5604/BEZ	5606/BNEZ	5609/BNF	5622-EQU	5689/B
KDBLDMES	5530/BL	5531/BG	5534-EQU		
KDEL	5397/BAL	5473/BAL	5521-EQU		
KDISF	337+29/B	5011-EQU			
KDISP	5351-EQU	5360/B	5371/BAL		
KDM01	337+31/B	5339-EQU			
KDNR	5400/BNEZ	5405-EQU			
	5347/B	5355-EQU			

KDNR1	5356/LI	5383-EQU		
KDODG	5575/BLE	5579-EQU		
KDOPMES	5367/BG	5369/B	5377/B	5388-EQU
KDOP	5345/B	5370-EQU		
KDR	5039/BNE	5366/BE	5378-EQU	
KDSETM	265-EQU			
KDSPDN	5353/B	5373/BLE	5490-EQU	
KDSPDN1	5495/BEZ	5505-EQU		
KDST1	267/BNEZ	272-EQU		
KDSY	5342/LI	5361-EQU		
KDSYMB	5346/B	5753-EQU		
KDSYM1	5756-EQU	5802/B		
KDSYM2	5776/BEZ	5786-EQU		
KDSYM3	5760/BEZ	5800-EQU		
KEY	3835/LD	6975-EQU		
KFED	5303/B	5306-EQU		
KFFRM	337.44/B	4968-EQU		
KFLUSH	337.47/B	5997.11-EQU		
KFND				

KFORM	4970/BAL	4983/BAL	5013-EQU				
	337.30/B	5289-EQU					
KF1	5043/BG	5048-EQU					
KF2	5050/BEZ	5053-LI					
KF3	5023/B	5030-EQU					
KF3B	5037/BNE	5042-EQU					
KF4	5019/BNEZ	5021/BNE	5024-EQU				
KMES	4837/BAL	4872-EQU	4890/BAL	4909/BAL			
KNF	5033/B	5045/BG	5185-EQU				
KNF1	4974/BEZ	5188-AI	5507/BG7				
KNF2	5189-AI	5382/B					
KNF2A	5380-EQU						
KNF3	5164/B	5193-EQU	5221/B				
KOMP	764/LW	819/STW	1289/STW	2742/MTW	4264/MTW	4930/STW	4939/STW
	6800-DATA						
KOSTOP	337.45/B	5989-EQU	5997.30/BNE	5997.33/B			
KPRI0	337.28/B	4982-EQU	5038/CI				
KSBR	5137/B	5138/B	5216-EQU				
KSBR1	5122/LI	5218-BAL					
KSEND							

	337+36/B	4888=EQV					
KSW#	5061/STW	5117/MTW	5161/LW	6814=DATA			
KSWDN	5084/B	5086/BLE	5159=EQV				
KSWFLG	51.20/LW	5125/STW	5132/LW	5181/XW	6383/PZE*	6815=DATA	
KSWG0	51.02/BNEZ	5105=LW	5153/BNEZ				
KSWG01	51.04/BNE	5107=LW	5154/B				
KSWIT	337+34/B	5055=EQV					
KSWR	5096/BNEZ	5119=EQV					
KSWR1	5130/BE	5135/LI	5140=EQV				
KSWR2	5121/BNEZ	5129=CB					
KSW1	5068/B	5155=EQV					
KSW2	5069=EQV	5158/B					
L*HSP	5836/LI	5924=EQV					
L*H2	5936/BNE	5943=EQV					
L*H3	5942/B	5946/BE	5948=EQV				
L*RBT	5840/LI	5862=EQV	5923/B				
LASTCHNK	5992/0R	6082=EQV					
LCLCTR1	4975/B	5285=EQV	5758/BLF				
LCLX	203/REF	461/LI	531/LI	748/LI	826/LI	899/LI	903/LI

	1368/LI	2387/CI	2450/CI	2744/CI	2831/CI	2913/CI	3112/LI
	3215/CI	3275/CI	3348/CI	3374/CI	3443/CI	3471/CI	4135/LI
	4138/LI	4207/CI	4552/CI	4641/CI	4835/LI	4868/LI	4929/LI
	5014/LI	5065/LI	5156/CI	5255/LI	5286/LI	5304/LI	5340/LI
	5379/LI	5444/LI	5491/LI	5625/LI	5751/LI		
LGN							
LGNFCN	3781/LW	3783/LI	6994= EQU				
LGNMSK	6073= EQU	6075/GEN					
LIMIT1	4046/LW	6075= GEN					
LIMIT2	3343/CW	6044= TEXT					
LIPBIT	3346/CW	6045= TEXT					
LOCBIT	3762/LI	4688/CI	4800.1/CI	6424= EQU			
LOCK	2026/CI	4127/LI	6500= EQU	6503/DATA	6505/DATA		
LOFBIT	1802= EQU						
LP	1913/LI	2005/LI	2578/CI	2595/AI	6438= EQU		
LPART	4293= EQU	6346/DATA					
LRRCVR	238/REF	3489/LI					
LRRD	209/REF	3517/BNEZ					
LRR1	3860/B	3866= EQU					
LRR10	3686/B	3834= EQU					
LRR2	3745/B	3831= EQU					
	429/LI	3569= EQU					

LRR3	3543/B	3546-EQU	3886/B				
LRR4	3529/BAZ	3544-EQU					
LRR5	3551/BE	3556-EQU					
LRR9	3573/BE	3590-EQU					
LSTSECT	181/DEF	1688/B	1744-LI	3221/LI	3472/BNE		
LTYFCN	4003/LW	6069-GEN					
MIXX	208/REF 6386-1/GEN	958-52/LH 6386-15/GEN	3172/CW 6386-27/GEN	6351/GEN 6386-31/GEN	6355/GEN 6386-35/GEN	6363/GEN	6379/GEN
MAFCN	3770/LW	6077-GEN					
MARKERR	2487/B	2871/BAL	2880-EQU	2951/BAL	3373/BAL		
MAXBQ	211/REF	4012/LI	4014/AI				
MBS	196/REF	3450/B	5284/BAL				
MBSCALL	337-27/B	5283-EQU					
MBSOP	196/REF	3422/BAL					
MFBIT	1544/LW	4525/LW	6098-EQU				
MFCK1	2716-EQU	2736/B					
MFCK2	2712/BNEZ	2725-EQU					
MFFS	1547/MTW	4526/MTW	4528/MTW	6824-DATA			
MFPRI	1037/LI	2539/LI	4638/LI	4713/LI	4717/CI	4936/LI	5028/AI

MFS	5029/AI	5258/LI	5529/CI	6089•EQU			
	210/REF	6824/DATA					
MKER1	2887/BEZ	2901•MTW					
MKMES	2903/LB	6296•EQU					
ML•CTL	214/SREF	3764/LI	4838/LI				
MNFCN	3824/LW	6078•GEN					
MNTBL	6989•EQU						
MNT1	4356•EQU						
MORBIT	6425•EQU						
MOUNT	4354•EQU	4440/BCR	6412/DATA				
MOVECC	1624/BAL	1668/BAL	1872/BAL	1909/BAL	2781•EQU	2885/BAL	3350/BAL
	4412/BAL	4456/BAL					
MOVEMES	99/DEF	699/BAL	1609/BAL	1670/BAL	1743/BAL	1875/B	1999/BAL
	2047/B	2223/BAL	2271/BAL	2316/BAL	2321/BAL	2326/BAL	2331/BAL
	2337/B	2571/BAL	2594/BAL	2602/BAL	2615/BAL	2703•EQU	2900/BAL
	2905/BAL	3222/B	3296/BAL	3412/BAL	3446/BAL	3470/BAL	3844/BAL
	4229/BAL	4255/BAL	4416/B	4459/BAL	4864/BAL	4902/BAL	4931/BAL
	5712/B	5752/B					
MOVE1	2709•EQU	2795/B					
MOVE15	2715/LI	2729/BGE	2730/LI	2737•EQU			
MOVE17	2745/BE	2749•EQU					
MOVE2	2751/LI	2770•EQU					

MOVE3	2774= EQU	2825/B					
MOVFLD	2986= EQU	3239/BAL	3248/BAL	3274/BAL	3291/BAL		
MP00L	211/REF	4006/LW					
MRKD	1699/STW 6825= DATA	1849/LW	2881/MTW	2895/STW	2901/MTW	2918/AW	3326/MTW
MSBSE	2904/AI	6181= EQU	6295/SET				
MSFLG	897/MTW 5494/XW	5399/LW 6826= DATA	5404/MTW	5414/LW	5446/MTW	5455/LB	5468/MTB
MSG	1920/B	2165= EQU	3872/BAL				
MSG01	1661/B	2175= EQU					
MSG1	1658/LI	2170/LI	2182= EQU				
MSG11	2184/BLE	2192/B	2195= EQU				
MSKG	305/AND	6463= DATA					
MSKH	304/AND	6462= DATA					
MSVEC	2242/LW	2246/LCW	6286= EQU				
MVCC1	2787/BEZ	2792= EQU					
MYREC	236/SREF	5904/LI					
MVSET	2752= EQU	2801/BAL					
MVSET1	2762/BE	2764/BE	2767= EQU				
MXPRI							

MXSTRM	3592/LB	6976=EQU					
MXTBL	216/REF	2009/LI	2293/LI	2655/LI	3082/LI	4075/CI	5757/CI
M15	3621/LB	6988=EQU					
M16	222/REF	3655/AND					
M24	198/REF	926/AND	1332/AND	3787/AND	4223/AND	5568/AND	5573/AND
M5	5725/AND	5734/AND					
M7	198/REF	1227/AND	1292/AND	4167/AND	5249/AND	5425/AND	5957/AND
M8	216/REF	1309/AND					
NALGBT	199/REF	3397/AND	4028/AND	5659/AND			
NALGBT	198/REF	1189/AND	1529/AND	2654/AND	3894/AND	5497/AND	
NBKSBIT	3874/AND	6457=DATA					
NBMSK	1177/AND	6506=DATA					
NBMSK	6496=DATA						
NBPMSK	1949/LI	2104/LI	2166/LI	2345/LI	2358/LI	2362/LI	2380/LI
NCIPRI	3013/LI	3039/LI	3096/LI	3102/LI	3203/LI	3558/LI	6119=EQU
NCTRBIT	3254/LI	4427/LI	4438/LI	6123=EQU			
NDMSK	127/DEF	576/LI	861/LI	864/CI	4634/LI	5022/LI	5350/LI
NEWBAN	5557/CI	6090=EQU					
	2606/AND	6461=DATA					
	2133/LI	6121=EQU					

	755= EQU	832/B						
NEWQ	197/REF	4175/BAL	4615/BAL	5885/B				
NEWQNW	197/REF	3829/BAL	4040/BAL					
NJMES	1742/LI	6146/EQU	6208=TEXTC					
NLOCBT	1817/AND	6505=DATA						
NMTBL	2458/CH	2461/CH	3614/LH	6983= EQU				
NNMSK	2348/LI	2366/LI	3206/LI	3243/LI	3286/LI	3541/LI	6122= EQU	
NO*JOB	532/LI	4147= EQU						
NO*STRM	3603/BEZ	3948= EQU	3989/B					
NO*STRM1	3690/BNEZ	3966= EQU						
NO*STRM5	3608/B	3983= EQU						
NOBRST	4208/BNE	4213= EQU						
NODIS	5508/LI	6517=TEXTC						
NOEM	4304= EQU	6347/DATA						
NOJOBM	4148/LI	6146= EQU						
NOLGGM	3912/LI	6148=TEXTC						
NOMORE	4411/BNEZ	4417= EQU						
NONEX	5188/AI	6898=TEXTC						
NOOMSZ	268/LI	7032.1= EQU						

NORBBRYR	958.48/BE	958.57=EQU		
NORDR	4344=EQU	6410/DATA		
NOSERM	4413/LI	6193=TEXTC		
NOSH	3394/BEZ	3416=EQU		
NOSLM	4529/LI	6194=TEXTC		
NOSTAT	1998/AI	6211=TEXTC		
NOSYS	3220/LI	6202=TEXTC		
NOTGOING	5991/BEZ	5995=LI		
NOTID	3533/BNE	3537/BNE	3555/BNE	3903=EQU
NOTIDM	3904/LI	6169=DATA		
NOOUT	5865/BAZ	5867/BGE	5882=EQU	5926/BEZ
NRMES	3427/LI	6200=TEXTC		
NRRM	117/DEF	6900=TEXTC	6901/EQU	
NRRM1	118/DEF	6901=EQU		
NSTALBT	1218/AND	6510=DATA		
NSTPBT	2553/AND	6509=DATA		
NSTRMM	3949/LI	6154=TEXTC		
NSTRRM	3981/LI	6172=DATA		
NTR				

	2247/STW	7002=EGU					
NWBAN1	761/BNE	765/BEZ	776=EGU				
NXMSK	1952/LI	3019/LI	3262/LI	6120=EGU			
NXTCC	1675=EGU	3329/BAL	3335/BE				
NXTCX	1683=EGU	1710/BE					
NXTFCN	6827=DATA						
NXTN1	1694=EGU	1760/BAL					
NXTN2	1693/LI	1703=EGU					
NXTON	1682/BNE	1692=EGU					
NXTRBCC	1664/BE	1671=EGU	1784/B	1801/B	1812/B	1824/B	1845/B
	1865/B	1874/LI	1881/B	1893/B	1894/LI	1908/BNEZ	1910/B
	1916/B	1919/LI	1933/BEZ	1936/B	1962/B	1986/LI	2013/B
	2053/B	2097/LI	2336/LI	2401/B	2486/LI		
NXTSID	201/REF	497/BAL	624/BAL				
NYID	2924/STW	2934/MTW	2944/MTW	6828=DATA			
0ADB1T	4692/LI	4805/CI	4807/AI	6429=EGU			
0AX	5635/STW	7059=EGU					
0B1BTX	228/REF						
0CB1T	1605/LI	1732/LI	1896/CI	1903/CI	2017/CI	2611/LI	3631/CI
	4644/LI	4840/LI	4918/LI	6498=EGU			
0CCC	1635/LW	1672/LW	1700/STW	1771/STW	6829=DATA		

BCDCT	194/REF	6069/GEN	6070/GEN				
BCIN	3760/LW	6980=EQU					
BCM1	1759=EQU	2648/BAZ	2651/BG	2661/B	2664/B		
BCPTYP	219/SREF	1078/CI	5608/CI				
BCRCB	3734/STW	3761/STW	6475=EQU				
OFFBIT	4807/AI	6441=EQU					
BHINM	197/REF	2475/CH	5098/LH	5566/LH			
BNEMES	1241/BAL	4897=EQU	4922/B				
BNMES	3845/LI	6867=TEXTC					
BPBUF	3313/AI 6258/GEN	3315/STB 6864=TEXTC	3316/LI	6250/GEN	6252/GEN	6254/GEN	6256/GEN
BPDISCM	2580/LI	6152=EQU					
BPMES	4860/STB	4861/LI	4894/STB	4895/LI	6942=TEXTC	6945/EQU	
BPMSZ	4859/AI	4893/AI	6946=EQU				
BPM1	6014/GEN	6945=EQU					
BPNX	3135/CAL1	5126/CAL1	6362=EQU				
BPNX10	958.38/CAL1	6386.15=GEN					
BPNX8	958.59/CAL1	6386.1=GEN					
BPTBL	2101/STW	2127/LW*	6831=DATA				

OPTLST	2100/STW	2114/LW*	2116/CW*	6830=DATA		
ORDAC	5628/LW	6056=DATA				
ORDBIT	4340/LW	6095=EQU				
ORDER	4339=EQU	6409/DATA				
ORDN	4341=EQU	4347/B	4350/B			
OUTCHK	4436=EQU					
OUTFIL	210/REF	6730/DATA	6735/DATA	6778/DATA		
PAR	3023/BCS	3047/BCS	3257/BCR	4431/BCR	4440/BCR	6118=EQU
PARMSK	4389/LI	6124=EQU				
PASSWORD	3334/CD	6028=TEXT				
PBNM	828/LI	7020=TEXT	7021/EQU	7022/EQU		
PBNM1	823/STW	7021=EQU				
PBNM2	824/LI	7022=EQU				
PBNPTR	829/AW	6012=GEN				
PBN1	813/BE	816=EQU				
PF1	5144/B	5177=PLW				
PGCNT	151/DEF	4474/SLS*	4491/MTW	4501/SLS*	4510/MTW	6832=DATA
PGMAP	4470/LW 6833=DATA	4476/CW	4482/EBR	4484/STW	4503/STS	4505/LW 4511/STW

PGOK	3694/BGZ	3705=EGU					
PIDEA	3142=EGU	6357/DATA	6358/DATA	6365/DATA	6366/DATA	6381/DATA	6382/DATA
PIDN	3138=EGU	3173/BANZ	3174/B				
PIDNG	3145/BE	3169=EGU					
PIDUNK	3147/BNE	3151=EGU					
PIDO	443/B	2451/BNE	3128=EGU	5157/BNEZ			
PIDI	3133=EGU						
PJDN	1687/BE	3333/BNE	3344/BNE	3347/BNE	3391=EGU		
PJDN1	3442/LI	3448=EGU					
PJDN2	3408/BLE	3414=EGU					
PJDN3	3405=EGU	3415/BDR					
PJ1	3214/BNE	3216/BE	3219/BANZ	3223=EGU			
PJ3	3228/BEZ	3236=EGU					
PLBIUSR	246/REF						
PLHIFLG	238/REF	3492/CH					
PLHISID	247/REF						
PLKXX	5358/STW	5385/CW	6798=DATA				
PNB0	4129/B	4134=EGU					
PNB2							

PNB3	4131/BE	4138=LI				
PNDBIT	4139= EQU	4646/BAZ				
PRCDX	1488/BAZ	4122= EQU				
PRDCA1	3056= EQU	3060/BEZ	3062/BNE			
PRDC1	3053/BNEZ	3077= EQU				
PRDC2	3037/LI	3042= EQU				
PRDC3	3063= EQU	3076/B	3080/B			
PRDC4	3041/BCS	3071= EQU				
PREV	3058/BEZ	3067= EQU				
PRIDC	987/STW	2085/STW	2088/LW	6834= DATA		
PRIDCO	3119/BNE	3123= EQU				
PRIN	3117= EQU	3126/BGE				
PRI0	3276/BE	3278/BLE	3281= EQU	3362/B		
PRI0CG	1461/STW	1473/LW	3282/STW	3293/MTB	3419/LW	6835= DATA
PRI01	1966/BG	1968/BLE	4985= EQU			
PRI02	4987/BLE	4993= EQU				
PRIVTBL	4992/B	5007= EQU				
PRNTXIT	6990= EQU					
	5814/B	5816/BE	5818/BE	5826= EQU		

PR0CD	1923/BAL	1939/BAL	1961/BAL	1977/BAL	2052/BAL	2400/BAL	3010-EQU
PR0CD2	2943/LI	3011/LI	3017-EQU	3094/LI			
PR0CD3	3024-CI						
PR0CID	2354/BAL	3109-EQU	3566/BAL	5066/BAL			
PR0CJOB	3201-EQU	4251/B					
PR0C0P	2098-EQU	3356/B					
PR0C0PX	2099/STW	2119/LW	6801-RES				
PR0C0P1	2109-EQU	2113/LI	2132/LI	2148/LI	2154/LI	4444/LI	
PR0DCD	1783/BAL	1880/BAL	3035-EQU				
PR0DCDA	1800/BAL	1811/BAL	1823/BAL	1844/BAL	1892/BAL	3034-STW	
PRTBAN	808-EQU	1376/BAL					
PRTCK	3424/BAL	3488-EQU	5357/BAL				
PSRCB	236/SREF	5891/LI					
PTSZ	6721-SET	6722/D8	6723/RES				
PUNBAN	762/LW	6065-DATA					
PUNBIT	2568/CW	2575/LW	6431-EQU				
PUNMES	2570/LI	6204-TEXTC					
QPNT	5847/LI	5852-EQU					
RISYMF							

RALGN	223/REF	4273/LI					
RALGU	1825-EQU						
RB*CCS	1827/BCR	1832-EQU					
RB*CC1	530/BCR	1588-EQU					
RB*CC2	1590/LI	1616-EQU	1674/LI				
RB*DPD	1618-AND	1776/B					
RB*DU	584/BNEZ	728-EQU					
RB*HU	337-38/B	407-EQU					
RB*LRR	182/DEF	337-40/B	4686-EQU				
RB*NJ	337-39/B	3513-EQU					
RB*BCM	1667/BNE	1741-EQU					
RB*BUF	337-41/B	1747-EQU					
RB*FLAG	213/SREF	422-4/STW	3685/STW	3706/STW	3773/LW	3826/LW	4764/XW
	204/SREF	303/LW	307/STW	334/LW	1487/CW	2390/CW	2518/STS
	2576/STS	2599/CW	2604/STS	2686/STS	2747/AND	2789/CW	3121/CW
	3571/LW	3588/STS	3598/STS	3763/AWM	3929/AND	3932/STS	3942/STS
	4693/STS	4804/AND	4818/STW	5838/CW	5863/LW		
RB*MFAD	203/REF	756/LW	904/LW	1595/LW	2608/LW	2711/MTW	2714/STW
	2735/LW	4256/LW	4579/LW	4586/LW	4610/LW	4668/LW	4679/XW
	6755/ALZ						
RB*SPMF	203/REF	1613/AW	2718/STW	2719/MTW	2728/CW	2741/AWM	2779/MTW
	2807/MTW	2828/MTW	2888/LW	6756/ALZ			

RBIXFLG	204/SREF						
RBALGN	1820-EQU	6274/VEC					
RBBIBCB	213/SREF	4793/STB					
RBBICPZ	204/SREF	3627/STB	4291/STB	4797/STB			
RBBIDSM	220/SREF 4557/LB	585/LB 4942/LB	1041/LB 6758/ALZ	1380/LB	2292/LB	2537/LB	3595/STB
RBBIHFE	213/SREF 3985/STB	2531/LB 4737/LB	2563/LB 4740/STB	3613/LI 4792/STB	3968/LB	3976/STB	3984/LB
RBBIHIN	214/SREF	2516/STB	4732/LB	4791/STB			
RBBIHOU	214/SREF 4730/LB	2508/LB 4790/STB	3054/LI	3074/LB	3634/LI	3969/LB	3975/STB
RBBIID	203/REF 2931/LB 4788/STB	521/LB 2964/LB 4847/LB	587/LB 3591/STB 4891/LB	729/LB 3973/STB 4910/LB	1040/LB 4247/LB 4945/LB	1498/CB 4554/LB	1601/LB 4711/LB
RBBILPZ	204/SREF	3624/STB	4297/STB	4799/STB			
RBBIMXP	205/SREF	789/LB	1967/CB	3277/CB	3279/LB	3593/STB	6759/ALZ
RBBISMD	213/SREF 2610/LB 4916/LB	1244/CB 2833/MTB 6760/ALZ	1593/LB 3619/STB	1604/LB 4555/LB	1730/LB 4643/LB	1901/STB 4789/STB	2019/CB 4849/LB
RBBP	88/DEF	6720-EQU	6721/SET	6721/SET			
RBBSPCL	337.46/B	958.2-EQU					
RBCC	1620/CD	6218-EQU	6235/EQU	6242/EQU			

RBCCBSE	1633/B	1778= EQU	6259/SET	6261/VEC		
RBCCOUT	703/B	1745/B	2492= EQU	3447/BAL		
RBCCVEC	1632/LB	6260= EQU				
RBCC1	1620= CD	1634/BDR				
RBCC2	1621/BNE	1634= BDR				
RBCHK	1482= EQU	2440/BAL	5114/BAL			
RBCTL	1889= EQU	6271/VEC				
RBD,WSN	205/SREF	433/AI	745/LD	1597/LD	3118/CD	3837/STD
RBDEL	2051= EQU	6282/VEC				3995/LD
RBDEV	2008= EQU	6276/VEC				
RBDEV1	2012= BDR	2015/BEZ	2046/LI			
RBDEV15	2025/BNEZ	2027/BANZ	2031= AI			
RBDEV2	2020/BE	2023/BNEZ	2029/BANZ	2033= EQU		
RBDISC	1912= EQU	6263/VEC				
RBDISC1	1914= EQU	2006/B				
RBDPD1	739/BNE	740/LI	788= EQU			
RBDU1	422*2/BANZ	423= EQU	3935/B	3937/LI		
RBFD	1485/BAL	1491= EQU	5554/BAL			
RBFD1						

RBF0RM	1494-EQU	1499/BNE					
RBG	1841-EQU	6279/VEC					
RBGA1	87/DEF	250-EQU					
RBGA2	1644-EQU	1650/LI					
RBGA3	1647/BE	1652-EQU					
RBHIMFX	1641/BANZ	1655-EQU					
	216/REF	4519/LH	4551/STH	4624/LH	4663/LH	4671/LH	4678/STH
	6757/ALZ						
RBHOLD							
	1922-EQU	6280/VEC					
RBINF							
	2049/B	2310-EQU					
RBINFO							
	2049-B	6275/VEC					
RBJOBM							
	4227/STB	4228/LI	6951-DATA	6954/EQU	6955/EQU		
RBJOBMPTR							
	6009-GEN						
RBJOBMSZ							
	4226/AI	6956-EQU					
RBJOBM1							
	3250/LI	4225/STW	6954-EQU				
RBJOBM2							
	4220/AI	6009/GEN	6955-EQU				
RBLIMS							
	203/REF	300/CLM	519/CLM	529/CLM	577/CLM	635/CLM	1038/CLM
	1170/CLM	1186/CLM	1212/CLM	1378/CLM	1492/LW	1496/CW	3116/LW
	3125/CW	3317/CLM	3992/CLM	4841/LW	4845/CW	5834/CLM	5892/CLM
	5918/CLM						
RBLOCK							
	1799-EQU	6273/VEC					

RBMS	2199/STB	2201/LI	6860=TEXTC		
RBMSG	1918=ERU	6262/VEC			
RBMSZ	2198/AI	6862=ERU			
RBMS1	2196/LI	6861=RES			
RBNJCK	1636/BEZ	1639/BAZ	1662=ERU		
RB0PBUF	3319/LI	6863=TEXTC			
RB0PSZ	3320/AI	6866=ERU			
RBPR10	1948=ERU	6272/VEC			
RBRET	1938=ERU	6281/VEC			
RBSSS	1779=ERU	6265/VEC	6266/VEC	6267/VEC	6268/VEC
RBSTAT	1974=ERU	6269/VEC			
RBSUSP	1877=ERU	6270/VEC			
RBSWITCH	2002/B	2339=ERU			
RBSWT	2002=B	6283/VEC			
RBSW2	2365/BCS	2384=ERU			
RBSZ	2091=ERU	6264/VEC			
RBTKSK	3946/LW	6074=GEN			
RBUNL0CK	1810=ERU	6278/VEC			
RBXBIT					

RBXXX	2005/LI	2685/LI	3941/LI	6440=EQU			
RCBTBL	2004=EQU	6277/VEC					
RCVL8C	2464/LB	3616/LB	6984=EQU				
RCVRABRT	6766=DATA						
RCVRBUF	209/REF	518/BNEZ					
RCVRFLG	158/DEF	6839=DATA					
	161/DEF	287/LW	311/LW	517/LB	568/LB	1099/LW	1395/LB
	1466/LB	2643/LW	3516/LW	3689/LW	4095/LW	4200/LW	4277/LW
	6837=DATA						
RCVRPTR	164/DEF	312/BNEZ*	4201/BNEZ*	6838=DATA			
RCVRSV	166/DEF	6836=DATA					
RCVRY	209/REF	337.42/B					
RCVRY1	209/REF	337.43/B					
RCVUN	167/DEF	6840=DATA					
RDDSK	1690/BAL	4163=EQU					
RDXX	3136/CAL1	6354=EQU					
REC	2341/STW	2342/STW	2392/AND	2396/AND	2425/LB	2438/LB	2455/LB
	2457/LW	2458/CH	2461/CH	2464/LB	2465/LB	3137/LB	3572/CS
	3574/CW	3580/CW	3592/LB	3594/LB	3596/LW	3614/LH	3616/LB
	3617/CW	3621/LB	3628/LH	3630/LH	3635/CW	3644/LH	3665/LB
	3671/CW	3673/LD	3684/LB	3715/LB	3743/LB	3760/LW	3781/LW
	3783/LI	3786/LW	3792/LI	3835/LD	5059/STW	5060/STW	5075/LB
	5077/LW	5129/CB	5150/AND	6359/DATA	6972=RES		

RECSZ	6360/DATA	6971=EGU	6972/RES			
REL	1941=EGU	3863/BAL				
RELCB	237/REF	5978/B				
RELMF	784/BAL	3444/BE	4662=EGU	4786/BAL		
REMARK	2882/BNEZ	2908=EGU				
REQFXP	2629/LI	6037/GEN	6871=DATA			
RERUN	4348=EGU	6416/DATA				
RES	3341/CW	6046=TEXT				
RES#	5393/STW	5466/STW	5651/LW	6841=DATA		
RESCHK	4325/LI	4327=EGU				
RESCOM	3324/LI	6244=EGU	6245/EGU			
RESET	528/BAL	1685/BNEZ	1689=EGU			
RESFOUND	4312/BE	4323=EGU				
RESINX	274/LI	282/AI	5652/LI	7061=EGU		
RESLIM	2157/CI	3297/LI	3323=EGU	3354/LI	3375/BNE	3377/LI
RESOPTS	3352/LI	6388=EGU	6406/EGU			
RESPTR	3353/LI	6407=EGU				
RESX	4324/STW	4328/LW	6808=DATA			
RFRM						

RFRMB	1846= EQU				
RFRMM	1864/B	1871= EQU			
RFRMM1	1240/LI	6930= TEXTC	6931/ EQU		
RFRMX	1239/STH	6931= EQU			
RFRM1	1850/BNEZ	1856/BG	1869= EQU		
RFXPTR	1859= EQU	1868/B			
RGFM	2627/LD	6036= DATA			
RID	2665= EQU	6329/VEC			
RIDX	6973= EQU				
RMB	5543/STW	5642/STW	7056= EQU		
RMT#	196/REF	1755/BAL	3523/BAL	4039/LI	4885/BAL
RMTBAN	2465/LB	3594/LB	3786/LW	6979= EQU	
RMTBAN1	750/LI	6933= TEXT	6934/ EQU	6935/ EQU	
RMTBAN2	744/STH	6934= EQU			
RMTBPTR	746/STW	747/STW	6935= EQU		
RMTCLR	751/AW	6010= GEN			
RMTNUM	3785/LD	6034= DATA			
RMTPUT	3790/STH	6021/ DATA	6897= TEXT		
	3789/LW	6021= DATA			

RNFM							
RRBIT	1852/BCS	1866=EQU					
RREC	134/DEF	1463/LW	4349/LW	6102=EQU			
RRECM	2652/BE	2684=EQU	6334/VEC				
RRFM	2687/LI	6932=TEXTC					
RRM	2673=EQU	6328/VEC					
RRRBIT	116/DEF	6899=TEXTC					
RSID	135/DEF	6103=EQU					
RSL1	156/DEF	499/STH	1333/CH	1335/STH	6809=GEN		
RSTP	1686/CI	3330=EQU					
RSXX	1215=EQU	1249/B					
RSXXK	5127/CAL1	6378=EQU					
RTRY	6385/DATA	6386=TEXTC					
RTY	3716/STW	6483=EQU					
RTYFCN	3684/LB	3715/LB	6993=EQU				
RUNPRI	4000/LW	6070=GEN					
	123/DEF	945/CI	1413/LI	1418/LI	1437/CI	1440.1/CI	1440.9/CI
	1964/CI	2055/CI	2227/CI	2403/CI	2938/CI	2970/CI	4971/CI
	4986/CI	4998/CI	5036/CI	5085/CI	5235/LI	5261/CI	5365/CI
	5372/CI	5411/CI	5447/CI	5453/CI	5475/CI	5524/CI	5550/CI
	5805/CI	5815/CI	5997.17/CI	6086=EQU			
SIBFIS							

SIBUIS	201/REF	955/MTW	2059/MTW	2332/LW	3423/MTW		
SICUIS	224/REF	2327/LW					
SICUN	224/REF	2317/LW					
SIDSPKEY	211/REF	261/LW	370/LW				
SIMBSF	889/REF	893/CW	943/CW	4630/LW			
SISBGC	208/REF	5002/STW					
SISPILLKEY	212/REF	1312/LW					
SISTLC	883/REF	912/LW	920/CB				
S#BITYP	230/REF	1094/LW	3697/AWM	3699/STW			
S#HILNK	228/REF	3400/LB	4424/STB	4453/CB	5732/LB		
S#WISER	192/REF 4418/LH	3402/LH 4419/STH	3505/LH 4421/STH	3506/STH 4464/LH	3508/LH 5742/LH	3510/STH	4410/LH
SAD	192/REF	4423/STW	4451/CW	5739/LW			
SALUTE	1108/STW 4774/MTB	1109/MTB 4775/CAL1	1110/CAL1 6856=DATA	3707/STW	3708/MTB	3709/CAL1	4773/STW
SAMID	424/LI	6160=DATA					
SAMIDM	3568/B	3909=EGU					
SAGNSERT	3910/LI	6178=DATA					
SBIRBDF	202/REF	1795/BAL	2519/BAL	4098/BAL			
	226/REF	4236/LB	5658/LB				

SBIRBMX	226/REF					
SBIRG	223/REF	4274/LB				
SBIRTY	228/REF	4384/LB				
SCNTXT	191/REF	2024/LH	4752/LH			
SCPX	2266/STW	7009=EGU				
SCSVDGI	233/REF	5841/LW				
SCSWIT	233/REF	5850/STW	5856/LW			
SDAA	89/DEF	6386+39/DATA	6729=DATA	6732/COM	6853/EGU	
SDAS	6730=DATA					
SDSIZE	6386+40/REF	6386+41/DATA				
SDVX	2256/LI	7011=EGU				
SEB4P1	1806=STW	1818/B				
SECT	524/LW	527/STW	3483/XW	4171/LW	4178/LW	6842=DATA
SERDS	5481/LI	7045=TEXTC				
SERDX	5485/LI	7047=TEXTC				
SERX	5731/LI	7069=EGU				
SET*STRM	3600=EGU	3672/BL E				
SETDM	276/BAL	285/B	5713=EGU			
SETDM1						

SETHDR	5722=ERU	5728/BDR					
SETXXDCB	100/DEF	696/BAL	1592=ERU	1761/BAL	1906/BAL	3838/BAL	4899/BAL
SET7	958+39/CAL1	63R6+27=GEN					
SGBITS	1596/BNEZ	1611=ERU					
SGCBUF	4803/LW	6459=DATA					
SGCHD	201/REF	293/AI	317/AI	1340/AI	1341/AI	5057/AI	5240/AI
SGON	201/REF	291/LB	294/STB	315/LS	323/STB	325/STB	375/CW
SGRNX	3792/LI	6978=ERU					
SHIRNM	2263/STW	7008=ERU					
SHIRTOT	226/REF	3409/LH	4311/CH	4377/CH	5724/LH	5733/LH	
SHISYMT	228/REF	3407/CH	4329/CH				
SIDPTR	232/REF	2470/CH					
SIZOPS	3234/LD	6257=DATA					
SIZPTR	2095/LI	6337=ERU	6343/ERU				
SKIP	2096/LI	6344=ERU					
SKIPSER	2128/BEZ	2150=ERU					
SLIBDF	4368/BNE	4380/LI	4388=ERU				
SLIBMX	227/REF	4241/LW					
	202/REF						

SLASLA						
SLFCN	5434/AW	6052=DATA				
SLSG	3821/LW	6079=GEN				
SLSGB	6019/GEN	6035/GEN	6878=DATA	6893/EQU		
SLSGBPT	6040/DATA	6893=EQU	6894/EQU			
SLSGBSZ	3777/LD	6040=DATA				
SLSGCSZ	6020/GEN	6041/GEN	6043/GEN	6889=EQU	6891/EQU	6894/EQU
SLSGE	3811/LI	6892=EQU				
SLSGEPT	6042/DATA	6895=EQU				
SLSGESZ	3779/LD	6042=DATA				
SLSGG8	6043/GEN	6890=EQU	6891/EQU			
SLSGM	6020/GEN	6041/GEN	6043/GEN	6896=EQU		
SLSGPTR	3795/LI	6894=EQU	6895/EQU			
SLSGRMT	3797/LW	6020=GEN				
SLSGSPTR	6035/GEN	6887=EQU				
SLSGSZ	3793/LW	6019=GEN				
SLSGWSZ	6020/GEN	6043/GEN	6888=EQU	6891/EQU	6895/EQU	
SLVBIT	3820/LI	6891=EQU	6892/EQU			
SLVXP2BT	3768/CW	3933/CW	6452=EQU			

SMD	1638/CW	3861/CW	3876/CW	4913/CW	6454-DATA		
SMDCK	3617/CW	3635/CW	6982-EQU				
SMDMNZ	2704/BAL	2784/BAL	2830-EQU				
SMHIN	270/LI	7054-EQU					
SMHPR	6294/DATA	7014-TEXTC					
SMHPU	6291/DATA	7007-TEXTC					
SMIN	6292/DATA	7012-TEXTC					
SMPR	6290/DATA	7019-TEXTC					
SMPU	6287/DATA	7016-TEXTC					
SMRIN	6288/DATA	7017-TEXTC					
SMRINH	5188/AI	5189/AI	6289/DATA	7006-TEXTC			
SMUIS	6293/DATA	7004-TEXTC					
SNDDX	223/REF	3230/CI	6809/GEN				
	202/REF	1026/LB	1062/LB	1377/LB	1532/LB	1554/LB	2010/CB
	2294/CB	2656/CB	3083/CB	3610/STB	3979/STB	4068/LB	4077/LB
	4084.5/LB	4110/LB	5754/LB	5759/LB	5833/LB	5858/LB	
SNDPTR	4856/LW	4889/LW	6014-GEN				
SPB	3736/STW	3737/AI	3741/STW	6485-EQU			
SPCER	958.21/BG	958.23/B	958.25/B	958.26/B	958.27/B	958.28/B	958.31-EQU
SPCGFCST	958.23-B	958.29/EQU					

SP00L							
SPRID	231/REF	1113/LW	1114/STW	3727/LW	3728/STW	4777/LW	4779/STW
SRCB2BT	3996/STW	3997/STW	6156-EQU				
SSIG	1898/CI	6499-EQU					
	202/REF	1168/LB	1533/MTB	1786/LC	1789/STB	1826/LC	1883/LC
	1886/STB	2509/LB	2513/STB	3604/LB	4083/LB	4097/STB	4647/LB
	4741/LB	4947/LB	5326/LB	5997.32/STB			
SSIGS	1782/LB	6080-EQU					
SSS	1785-EQU						
SSSBIT	2506/CI	2517/LI	6426-EQU				
SSS1	1788-EQU	1831/B					
SSTAT	202/REF	1792/LB	1828/LB	2022/LB	4750/LB	5997.28/LB	
SS01	3605/BEZ	3609-EQU					
STAK	6844=DATA						
STARTCOM	1150/MTW	4100/MTW	4105/MTW	6858=DATA			
STAT	1981/BNEZ	1991/BNEZ	2216-EQU	3862/BAZ	3865/B		
STATMES	2222/LI	6210=TEXTC					
STATX	1696/STW	1994/MTW	2220/MTW	2224/MTW	3034/STW	3052/LW	6843=DATA
STAT1	1979-EQU						
STBIDPD	220/SREF	570/LB	583/LB	694/LB	733/LB	754/LB	3666/STB
	6762/ALZ						

STBIJDE	219/SREF	1086/CB	1390/LB	5301/LB	5336/STB	5781/LB	6763/ALZ
STBILNK	215/SREF	2558/LB	2564/LB	3054/LI	3057/LB	3602/LB	3611/LB
	3612/STB	3668/STB	3970/STB	3972/STB	3977/LB	3986/LB	3988/STB
	4721/LB	4723/LB	4739/LB	4746/STB	4759/STB		
STBITYP	216/REF	572/LB	1032/LB	2014/LB	2300/LB	2536/LB	2633/LB
	2658/CB	3059/MTB	3088/MTB	3620/STB	4079/CB	4556/LB	4745/STB
	4941/LB	5889/LB					
STH:CMDV	244/REF	1033/LH	1036/STH	1064/CH	1148/MTH	1151/STH	1403/LH
	1407/STH	4071/MTH	4074/STH	4084.1/CH	4084.3/MTH	4084.8/CH	5769/LH
	5990/LH	5993/STH					
STH:FLG	215/SREF	580/CH	1173/CH	1176/LH	1178/STH	1217/LH	1219/STH
	1606/CH	1733/CH	1804/LH	1806/STH	1815/LH	1834/CH	1837/LH
	1895/LH	2016/LH	2298/CH	2533/CH	2552/LH	2555/STH	2566/CH
	2612/CH	2621/LH	2623/STH	2667/LH	2670/STH	2675/LH	2677/STH
	3662/STH	4141/LH	4143/STH	4645/CH	4851/CH	4919/CH	5929/LH
STH:NM	218/SREF	673/LH	743/LH	1238/LH	2034/LH	2305/LH	3061/CH
	3090/CH	3615/STH	6764/ALZ				
STHISUS	218/SREF	3629/STH					
STOR0	2436=STS						
STORSW	5839/BANZ	5843/BCR	5846=EQU				
STORSW1	5835/BCS	5844=EQU					
STPBIT	2028/CI	2549/LI	2565/LI	4127/LI	6507=EQU	6508/DATA	6509/DATA
	6510/DATA						
STRM1	3632/BAZ	3639=EQU					
STRM15							

	3656=EQU						
STRM2	3636/BNE	3638/B	3646/BAZ	3648=EQU			
STRM3	3674/BEZ	3680=EQU					
STRTSYM	1484/BEZ	4053=EQU	4642/BE				
STSM1	734/BAL	4062=EQU					
STSM1A	4061/B	4065=EQU					
STSM2	4070=EQU	4088/BDR					
STSM2A	4084.2/BE	4084.7/B	4084.11=EQU				
STSM3	4076/BLE 4088=BDR	4078/BEZ	4080/BNE	4082/BCS	4084/BNEZ	4084.4/BNEZ	4084.9/BE
STWIFORM	221/REF 2626/STW 5765/LW	574/XW 2680/STW 6761/ALZ	582/STW 3664/STW	1030/LW 4085/CW	1246/LW 4130/CW	1384/LW 5293/LW	2040/LW 5332/STW
STWIFBV	219/SREF 5777/LW	1083/CW 6765/ALZ	1388/LW	5297/LW	5333/LI	5335/STW	5775/LI
ST1	2221/BNEZ	2225=EQU					
ST2	2228/BG	2233=EQU					
ST3	2232/B	2235/BEZ	2237=EQU				
ST4	2244/BAL	2275=EQU	5268/BAL				
ST5	2281/B	2283/BE	2286=PLW				
ST7	2243/BGEZ	2248=EQU					

ST8	2250/BANZ	2267-EQU					
SUS	1882-EQU						
SUSTBL	3628/LH	6987-EQU					
SVIRSIZ	226/REF 4235/LI	273/LI 4309/LI	274/LI 4376/LI	278/CI 5390/CI	280/LI 5392/LI	3395/LI 5463/CI	3404/LI 5465/LI
SVITI	227/REF	4240/LI					
SVITYM	232/REF	2469/LI					
SVCBF	152/DEF 67 ³¹ -DATA	289/XW	318/STW	780/LW	1242/LW	4627/AND*	5492/LW
SVIV	106/DEF 3515/BAL 4276/BAL	958.37/BAL 3688/BAL 4614/BAL	1098/BAL 4005/BAL 4654/BAL	2070/BAL 4094/BAL 4763/BAL	2502/BAL 4174/BAL	2642/BAL 4188-EQU	3134/BAL 4199/BAL
SVIV1	107/DEF	1749/BAL	4198-EQU	4873/BAL	5252/BAL		
SVREGS	109/DEF	4193/STM	4282/LM	6847-EQU			
SVREG11	4197/B*	6850-DATA					
SVZ	110/DEF 3524/STW 4283/STW	958.42/STW 3833/STW 4617/STW	1102/STW 4042/STW 4660/STW	1756/STW 4099/STW 4785/STW	2078/STW 4177/STW 4886/STW	2521/STW 4189/MTW 5254/STW	3140/STW 4195/STW 6846-DAT
SV10	3131/STW	3141/B*	3170/MTW	5123/STW	6845-DATA		
SW	2402-EQU						
SWCOM1	2484/LI	6245-EQU					
SWITBIT							

SWITFI	1090/CW	1303/LW	2408/LW	2435/LW	5089/LW	5105/LW	6105 ⁶⁸ -EQU
SWITFLG	2393/BNEZ	2399=STW					
SWOUT	2399/STW	2430/LW	6812=DATA				
SWOUTZ	2431/BEZ	2434/BNE	2437=EQU				
SWOUT1	2414/B	2444=EQU					
SWRID	2441=LCI	2446/B					
SWTCH	5076/STW	5079/STS	5092/INT	5101/LW	5109/INT	5152/EOR	6813=DATA
SWTEND	2420/BNEZ	2423=EQU					
SWTINIT	237/REF	1125/STW					
SWTND	231/REF	1092/LW	1107/STW	1123/LW	5832/LW	5855/LW	5912/LW
SWTSIZ	5976/XW						
SWTUC	1124/AI	1126/AI	5974=EQU				
SWTX	1117/LI	5987=EQU					
SWTYP	231/REF						
SWX	2459/BE	2463=EQU					
SW3	2344/STW	2379/STW	2419/LW	5074/STW	5107/LW	6811=DATA	
SW4	2405=EQU	2410/BANZ					
SYMMDM	2356/B	2447=EQU					
	2357=EQU	2452/B					

	271/STB 7052/EQU	5763/STB 7053/EQU	5764/STW	5787/LI	7049-TEXTC	7050/EQU	7051 ⁶⁹ /EQU
SYMDM1	5768/STW	7050-EQU					
SYMDM2	5774/STW	7051-EQU					
SYMDM3	5780/STW	7052-EQU					
SYMDM4	5785/STW	7053-EQU					
SYMD0N	4738/BEZ	4757-EQU					
SYMF	298/BAL	1558/BAL	4271-EQU				
SYMF1	4275/BEZ	4278/BNEZ	4283-STW				
SYMINDX	331/STW 1208/LW 5056/LW	672/LW 1243/LW 5239/LW	693/LW 1338/LW 5997-27/LW	735/LW 1372/XW 6851-DATA	753/LW 4109/LW	1147/LW 4973/LW	1167/LW 4980/MTW
SYMx	223/REF	731/LC	811/LB	3661/STB	4081/LC	5323/LB	
SYS	3213/CD	6039-TEXT					
SYSBIT	3218/CI	6437-EQU					
SYSD	120/DEF	2270/STW	5192/STW	7003-EQU			
SYSDX	5540/STW	7055-EQU					
SYSG	1171/BCS	1174/BAZ	1181/B	4093-EQU	4756/B		
SYSG1	1537/BAL	4086/BE	4091-EQU	4648/BEZ	4950/B		
TIGJ8BSTRY	207/REF	264/BAL	3677/BAL				
TIRE							

T:REG	195/REF	4280/BAL			
T:RSPP	195/REF	379/B			
T:RUE	230/REF	4783/BAL			
T:STLPP	195/REF	2074/BAL	5253/BAL		
TALL	230/REF	1101/BAL	3692/BAL		
TBIFLGS	2862/LW	6048=TEXT			
TB:MAX	228/REF	736/LC	2478/LC	4385/LB	5901/LC
TB:SZ	235/REF	5900/LB			
TBGVAL	217/REF	4261/LB			
TBTS	2142= EQU	4330/BG	4332/BG	4337/RNEZ	
TCAT	3587/LW	6447= EQU			
TEL\$HIM	263/LD	6027=TEXTC			
TEL\$H1	4004= EQU	4018/B	4051/B		
TEL\$OP	4032/BNE	4037= EQU			
TEL\$OPJ	2689/B	3322/B	3846/BAL	3991= EQU	
TEL\$OPNC	661/BEZ	668/B	3312= EQU		
TEL\$OPR	657= EQU	679/BAL			
TEL\$OPR1	2202/B	2581/BAL	3994= EQU		
	409/BAL	3913/BAL	3950/BAL	3998= EQU	4697/BAL 4821/B

TEL*BP1	102/DEF 4002=EGU 5402/BAL	1193/BAL 4117/BAL 5406/BAL	3155/BAL 4150/B 5510/B	3378/R 4531/R 5705/BAL	3428/BAL 4954/B 5799/BAL	3453/BAL 5195/B 5997/B	3993/BCS 5309/B
TEL*RBT	425/BAL	4045=EGU					
TEL*RBT1	3947/B	4047=EGU					
TEL*RBT2	2645/B	4049=EGU					
TEL*XPX	2635=EGU						
TEL*XP2	2631=EGU	2683/B					
TEN	5576/DW	6068=DATA					
TEBD	1663/CW	6049=TEXT					
TIME	223/REF	5423/LH	5428/LW				
TIMEL	4351=EGU	6408=DATA	6415=DATA				
TIMIN	825/BAL	2313/BAL	5422=EGU				
TIMX	5646/STW	7060=EGU					
TJOB	534/CW	6047=TEXT					
TLCL	31.14/CD	6038=TEXT					
TMESET	5426/AW	6053=DATA					
TMPSTK	148/DEF 1104/PLM 1724/PSW 1860/PLW	742/PSM 1536/PSM 1725/PSW 1870/PLW	786/PLM 1539/PLM 1727/PLW 1976/PSW	821/PSM 1557/PSW 1728/PLW 1983/PSW	896/PSM 1559/PLW 1794/PSW 1988/PLW	908/PLM 1717/PSW 1796/PLW 2068/PSM	1097/PSM 1720/PLW 1847/PSW 2077/PLM

	2217/PSW	2218/PSW	2272/PLW	2273/PLW	2276/PSW	2286/PLW	2311/PSW
	2314/PLW	2412/PSM	2442/PLM	2523/PSW	2596/PLW	2710/PSW	2732/PSW
	2734/PLW	2738/PLW	2775/PLW	2798/PSM	2824/PLM	2835/PSW	2870/PSW
	2872/PLW	2884/PSM	2892/PSW	2894/PLW	2907/PLM	2950/PSW	2952/PLW
	2994/PSW	3006/PLW	3676/PSM	3679/PLM	3812/PSW	3815/PLW	3878/PSW
	4102/PSW	4104/PSM	4119/PLM	4120/PLW	4164/PSW	4185/PLW	4272/PSW
	4284/PLW	4455/PSW	4461/PLW	4469/PSM	4486/PLM	4518/PSM	4651/PLM
	4666/PSM	4675/PLM	4681/PSW	4683/PLW	4898/PSW	4901/PLW	4927/PSW
	4928/PSW	4934/PLW	4935/PLW	5113/PSM	5116/PLM	5131/PSW	5139/PLW
	5142/PSW	5146/PLW	5177/PLW	5217/PLW	5395/PSM	5396/PSW	5398/PLW
	5408/PLM	5694/PSM	5707/PLM	5812/PSM	5823/PLM	5828/PLM	6821-DAT
	6844/DATA						
TBFM							
	2614/LI	2765/CI	6187-TEXTC				
TBF0IDBT							
	205/SREF	6074/GEN					
TRBID							
	3554/CD	6246-CCRB					
TRT							
	1627/BAL	1651/B	1854/BAL	1950/BAL	1953/BAL	2103/BAL	2105/BAL
	2111/BAL	2134/BAL	2153/BAL	2167/BAL	2173/BAL	2346/BAL	2349/BAL
	2359/BAL	2363/BAL	2367/BAL	2381/BAL	2875/BAL	2993-EQU	3014/BAL
	3020/BAL	3040/BAL	3046/BAL	3097/BAL	3103/BAL	3204/BAL	3207/BAL
	3244/BAL	3255/BAL	3259/BAL	3263/BAL	3287/BAL	3559/BAL	3562/BAL
	4358/BAL	4390/BAL	4399/BAL	4428/BAL	4499/BAL		
TRTBL							
	2995/LI	6519-EQU					
TSGON							
	3550/CD	6247-TEXT					
TSTACK							
	235/REF	5854/PSM	5874/PSW	5878/PLW	5884/PLM	5888/PSM	5890/PSW
	5915/PLW	5917/PLM	5928/PSM	5961/PSM	5967/PLM	5971/PLM	5977/PLW
TTYF							
	3742/MTW	6482-EQU					
TXNRSN							
	4457/STW	4458/LI	6966-TEXTC				
TXRLE							

TXTL	3410/STW	3411/LI	6964=EQU				
TXTT	5641/LW	6059=TEXT					
TYPMNSZ	5638/LW	6058=TEXT					
TYPSW	237/REF	2474/LI					
TZERBS	2343/STW 6810=DATA	2373/STW	2374/LW	2415/CW	5073/STW	5099/CW	5141/LW
UIMISC	670/LW	5584/BR	6050=TEXT				
UB:PRI0B	211/REF	372/STW					
UL1	239/REF	262/MTB					
UNKN	1817=AND	1839/B					
UNLOCK	1669/LI 6313/VEC	6206=TEXTC	6297/VEC	6298/VEC	6299/VEC	6311/VEC	6312/VEC
VEC	1813=EQU						
VECBSE	6215=COM						
VP	6215/COM	6259=SET	6295=SET	6325=SET			
WAIT	1115/STW	1119/STW	1122/STW	1128/STW	3716/STW	3729/STW	3734/STW
WDSKFCN	3736/STW	3738/STW	3741/STW	3742/MTW	3744/STW	3747/STW	3748/STW
	3749/STW	3751/STW	3753/STW	3755/STW	3757/STW	3759/STW	3761/STW
	3775/STW	3776/STW	3799/LI	4778/STW	6008/GEN	6022/GEN	6855=EQU
	6857/DATA	6896/EQU					
	257/CAL1	3148/CAL1	3606/CAL1	4017/CAL1	4658/CAL1	4734/CAL1	6005=GEN
	4608/LW	6076=GEN					

WFQBIT	2529/LI	4127/LI	6513= EQU			
WMF	906/BAL	2617/B	3473/BAL	4516= EQU	4866/B	4933/BAL
WMFA	4515/STW	4588/LW	4622/XW	6854= DATA		
WMFF	2733/BAL	4514= EQU				
WMFS	783/BAL	4599= EQU				
WMFX	4530/LI	4623/BNEZ	4635/LI	4640/LI	4649= EQU	
WMF1	4523/BGEZ	4527/BGEZ	4546= EQU			
WMF2	4553/BE	4561= EQU				
WMF3	4560/B	4565= EQU				
WMF5	4520/BNEZ	4585= EQU				
WMF6	4589/BEZ	4594/B	4597= EQU			
WMF7	4603= EQU	4670/BAL				
WMF8	4598/LI	4619= EQU				
WRXXKY	6386+34= TEXTC	6386+42= DATA				
WRXXSD	958+40= CAL1	6386+35= GEN				
WTG	4007/BEZ	4009/BEZ	4011/BEZ	4017= CAL1	4020/BEZ	
XALGBT	1838/BR	6504= DATA				
XC	5930/AND	5979= EQU				
XF						

XFLKBIT	198/REF	2985/AND						
XFO	2676/BR	6512=DATA						
XF3	6066=DATA							
XHOLDBIT	5939/AND	5981=EQU						
XL0CBT	1054/CW	1926/LW	1927/LW	2239/CW	6097=EQU			
XORS	1805/BR	6503=DATA						
XP1BIT	4366/BE	4370=EQU						
XP2BIT	6453=EQU							
XP2BSE	1236/CI	1640/CI	1842/CI	2647/CI	2788/LI	6430=EQU		
XP2COM	2663/B	2664=B	6325/SET	6327/VEC	6330/VEC	6331/VEC	6332/VEC	
XP2FCN	6333/VEC							
XP2FM	1758/BEZ	2646=EQU						
XP2VEC	2641/LW	6072=GEN						
XS	1237/BANZ	2619=EQU						
XSETBIT	2662/LB	6326=EQU						
XSTPBIT	4371/STW	4420/LH*	4422/STH*	6802=RES				
X12	3645/CI	6514=EQU						
X7FFF	1816/BR	2669/BR	4142/BR	6508=DATA				
	2802/AND	6064=DATA						

	1057/AND	1406/AND	1428.2/AND	5596/AND	6067-DATA	
X80						
	200/REF	4237/BR				
X80S						
	6051-DATA					
X8000						
	242/REF	6082/EQU				
YBANGRB						
	1769/BR	6025-DATA				
YFF						
	199/REF	1160/AND	4180/CW			
YFFFF						
	198/REF	1618/AND	3553/AND			
YBUR0N						
	3843/LI	6958-TEXTC	6959/EQU	6960/EQU	6961/EQU	
YBUR0N1						
	3840/STD	3842/STH	6959-EQU			
YBUR0N2						
	3839/STW	6960-EQU				
YBUR0N3						
	3836/STD	6961-EQU				
Y00FF						
	233/REF					
Y0008						
	241/REF	6445/EQU				
Y001						
	240/REF	6446/EQU				
Y002						
	198/REF	3171/LW				
Y004						
	222/REF	6453/EQU				
Y008						
	225/REF	6443/EQU				
Y01						
	199/REF	1228/AW	5634/SW	6104/EQU	6105/EQU	6452/EQU
Y02						
	225/REF	5236.1/LW	6103/EQU			

Y04	198/REF	632/AW	665/AW	3251/AW	6102/EQU	6444/EQU	
Y05	225/REF	641/AW					
Y07	222/REF						
Y08	199/REF	6098/EQU	6431/EQU				
Y1	199/REF	6097/EQU	6101/EQU	6427/EQU			
Y2	199/REF	6099/EQU	6425/EQU				
Y3	225/REF	6100/EQU					
Y4	199/REF	1135/AW	6096/EQU	6435/EQU			
Y8	198/REF	509/SW	1131/LW	2398/LW	4492/LW	6095/EQU	6419/EQU
Y8IN	2394/B	2398=LW					
ZAPM	113/DEF	6869=TEXTC	6870/EQU				
ZAPM1	114/DEF	6870=EQU					
ZERO	3714/MBS	6853=EQU					
ZERPTR	3713/LW	6022=GEN					
OIPRI	6084=EQU						
OOPRI	129/DEF	790/AI	1046/CI	1141/AI	1143/AI	1229/LI	1326/AI
120ASTER	1440.15/AI	2543/CI	4991/AI	5527/AI	6087=EQU		
27LRR	2258/LW	2763/CI	4254/LI	6164=DATA			
	3527/BANZ	3880=EQU					

2780BIT	1821/CW	3526/CW	3579/LW	3719/CW	4766/CW	4816/OR	6449=DATA
2780CU	206/SREF	4813/LI	6033/DATA				
2780IB	206/SREF	4810/LI	6032/DATA				
3ZERO	1340/AI	6063=DATA					
37BUFDIF	3722/LI	6491=EGU					
3780BIT	3723/CW	4768/CW	4768.2/SW	6451=DATA			
80\$ST1	3731/B	3735=EGU					
80\$ST2	3724/BANZ	3732=EGU					
80BLNK	2898/STB	2899/LI	2982/LW	3198/OR	4875/LI	5569/OR	5581/OR
	5590/LW	5598/LW	5612/LW	5613/LW	5671/LW	5726/OR	5771/LW
	6034/DATA	6166=TEXTC					
#GFC	335/CI	327.48=EGU					
#RBCCS	1619/LI	6242=EGU	6243/EGU				
#RESOPTS	6389/DATA	6406=EGU					
#SIZOPS	6338/DATA	6343=EGU					
#SPCGFC	958.20/CI	958.29=EGU					
#STRM	2457/LW	3671/CW	6981=EGU				

```

*S*          SYSTEM  SIG7FDP
*
*
*          RBBATM  SYMBIONT FILE AND REMOTE PROCESSING MANAGEMENT
*
*
*          NAME:    RBBATM
*
*          PURPOSE: MAINTAINS AND MANAGES SYMBIONT FILE TABLES
*
*          CONTROLS REMOTE PROCESSING INCLUDING
*          LOGON - LOGOFF OF RP TERMINALS AND PROCESSING
*          REMOTE CONTROL COMMANDS
*
*          MAIN MODULE OF THE RBBAT GHOST WHICH ALSO
*          CONTAINS THE MULTI-BATCH RESOURCE SCHEDULER (MBS)
*          AND THE RBBAT RECOVERY ROUTINES (RBBATR)

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DESCRIPTION:

RBBAT IS AWAKENED BY A CALL TO THE ROUTINE SGCQ IN THE MONITOR ROOT. THIS CALL IS MADE SPECIFYING A GHOST FUNCTION CODE (GFC) AND PARAMETERS USED BY RBBAT TO EXECUTE THE REQUESTED FUNCTION. THE GFC'S, ROUTINES CALLED, AND FUNCTIONS PERFORMED ARE LISTED BELOW:

GFC	ROUTINE	FUNCTION
NBPGFC	CTR1	RELEASE BUFFER ONLY - NO ACTION
AIF	AIF	ADD CONTROL INPUT FILE (FROM SYMBIONT)
AIFJE	AIFJE	ADD CONTROL INPUT FILE (FROM JOBENT)
AIFNC	AIFNC	ADD NON-CONTROL INPUT FILE
ABFL	ABFL	ADD LAST OUTPUT FILE FROM BATCH JOB
ABF	ABF	ADD BATCH OUTPUT FILE
ABFNB	ABFNB	ADD OUTPUT FILE FROM ONLINE, GHOST, OR JOBENT
ABFP	ABFP	ADD PARTIAL OUTPUT FILE FROM SYMBIONT

38	*P*	GBF	GBF	GET OUTPUT FILE (SYMBIONT)
39	*P*	GIFNC	GIFNC	GET NON-CONTROL INPUT FILE (FOR RPND)
40	*P*	MBSGFC	MBSCALL	CALL MBS TO MULTI-BATCH SCHEDULE
41	*P*	PRIOGFC	KPRIO	EXECUTE PRIO KEYIN
42	*P*	KDELGFC	KDEL	EXECUTE DELETE KEYIN
43	*P*	KFRMGFC	KFORM	EXECUTE SYNDD, FIXXXXI KEYIN
44	*P*	KDISPGFC	KDISP	EXECUTE DISP, DISP BC, DISP SYMB, DISP
45	*P*			OUTPUT, DISP NORUN AND DISP 4SYSID5 KEYINS
46	*P*	JESTAT	JESTAT	PROCESS JOBERT STATUS REQUEST
47	*P*	JEDEL	JEDEL	PROCESS JOBERT DELETE (CANCEL) RREQUEST
48	*P*	SWITGFC	KSWIT	EXECUTE RBSWITCH KEYIN
49	*P*	KCBMGFC	KCBM	EXECUTE RBCBM KEYIN
50	*P*	SNDGFC	KSEND	EXECUTE RBBEND KEYIN
51	*P*	BCSTGFC	KBCST	EXECUTE RBBDCST KEYIN
52	*P*	DUP	RB\$DU	PROCESS NEW REMOTE TERMINAL CONNECTION
53	*P*	LORR	RB\$LRR	PROCESS REMOTE LOGIN RECORD - LOG THE
54	*P*			STATION ON
55	*P*	HUP	RB\$HU	PROCESS RP LINE DISCONNECT
56	*P*	OCMGFC	RB\$OCM	PROCESS IRBT CONSOLE INPUT MESSAGE
57	*P*	RCVRGFC	RCVRY	CALL RBBATR TO PERFORM RBBAT RECOVERY
58	*P*	RCVRGFC ₁	RCVRY ₁	MARKS POINT OF RECOVERY IN COMBUFS IN
59	*P*			RBBAT RECOVERY FILE
60	*P*	KFCGFC	KFFRM	EXECUTE FORM 4SYSID5 KEYIN

REFERENCE:

THE PARAMETERS PASSED WITH THE RBBAT CALLS ARE DOCUMENTED IN THE DATA BASE TECH MANUAL

66					
67	00000000	R0	EDU	0	LINK TO FIND
68	00000001	R1	EDU	1	PRIO OF ENTRY -- BYTE COUNT IN SCAN
69	00000002	R2	EDU	2	INDEX OF EXTRY
70	00000003	R3	EDU	3	GENERAL TEMP
71	00000004	R4	EDU	4	GENERAL TEMP -- SUBROUTINE LINK
72	00000005	R5	EDU	5	DCT INDEX
73	00000006	R6	EDU	6	POINTER TO CURREND INPUT STRING
74	00000007	R7	EDU	7	POINTER TO MESSAGE FILE POSITION

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	75	00000008	R8	EQU	8	GENERAL TEM	
	76	00000009	R9	EQU	9	RB FLAGS	
	77	0000000A	R10	EQU	10	GENERAL TEMP	
	78	0000000B	R11	EQU	11	GENERAL TEMP	
	79	0000000C	R12	EQU	12	SYSID IN RBCC ROUTINES	
	80	0000000D	R13	EQU	13	GENERAL TEMP	
	81	0000000E	R14	EQU	14	GENERAL TEMP =. STRING POINTER	
	82	0000000F	R15	EQU	15	GENERAL TEMP =. STRING POINTER	
	83		*				
	84		*				
	85		*				
	86		*				
	87			DEF	RBG	BASE OF RBBAT FOR GENMDING	
	88			DEF	RBBP	RBBAT PATCH AREA FOR GENMDING	
	89			DEF	SDAA	BASE OF RBBAT DATA FOR GENMDING	
	90		*				
	91			DEF	FIND	BEGIN LINKING THROUGH THE BATCH QUEUE	
	92		*,*			PRIORITY CHAINS	
	93			DEF	FIND1	CONTINUE LINKING THROUGH THE BATCH	
	94		*,*			QUEUE PRIORITY CHAINS	
	95			DEF	ADDRF	LINK A FREE OUTPUT SLOT TO THE SPEC	
	96		*,*			PRIORITY CHAIN	
	97			DEF	GET256	GET A 256 WORD RBBAT DYNAMIC BUFFER	
	98			DEF	FREE256	FREE A 256 WORD RBBAT DYNAMIC BUFFER	
	99			DEF	MOVEMES	WRITE A MESSAGE TO A MESSAGE FILE	
	100			DEF	SETHDR	OPEN A REMOTE PROCESSING MESSAGE FILE	
	101		*,*			AND INSERT THE HEADER IF NECESSARY	
	102			DEF	TEL60P1	WRITE A MESSAGE ON THE 0C	
	103			DEF	DEC	CONVERT BINARY TO EBCDIC DECIMAL	
	104			DEF	HEXC	CONVERT BINARY TO EBCDIC HEX	
	105		*				
	106			DEF	SVIV	SAVE SPECIAL RBBAT ENVIRONMENT	
	107			DEF	SVIV1	SAVE SPECIAL RBBAT ENVIRONMENT AND	
	108		*,*			ABORT IF RECOVERY OCCURS	
	109			DEF	SVREGS	SAVE AREA FOR RBBAT SPECIAL ENVIRONMENT	
	110			DEF	SVZ	ZERO IF SPECIAL RBBAT ENVIRONMENT IS	
	111		*,*			PRESENT	

112	*			
113		DEF	ZAPM	BATCH DUFUE LOST MESSAGE
114		DEF	ZAPM1	PLACE TO STORE CODE IN BATCH QUEUE
115	*,*			LOST MESSAGE
116		DEF	RRM	JOB WILL BE RERUN MESSAGE
117		DEF	NRRM	JOB CAN'T BE RERUN MESSAGE
118		DEF	NRRM1	PLACE TO STORE ACCOUNT IN NOT TO BE
119	*,*			RERUN MESSAGE
120		DEF	SYSD	PLACE (INDEX) TO STORE SYSD IN STA
121	*,*			RBBAT MESSAGES (EG RRM)
122	*			
123		DEF	RUNPRI	PRIORITY CHAIN INDEX - RUNNING JOBS
124		DEF	FIPRI	PRIORITY CHAIN INDEX - IFI PRIORITY
125		DEF	FREI	PRIORITY CHAIN INDEX - FREE INPUT S
126		DEF	FREQ	PRIORITY CHAIN INDEX - FREE OUTPUT S
127		DEF	NCIPRI	PRIORITY CHAIN INDEX - NON-CONTROL
128		DEF	DELPRI	PRIORITY CHAIN INDEX - FILES TO BE I
129		DEF	OOPRI	PRIORITY CHAIN INDEX - 'O' PRIORITY
130		DEF	BHHPRI	PRIORITY CHAIN HEADS
131		DEF	BHITPRI	PRIORITY CHAIN TAILS
132	*			
133		DEF	BSCBTS	HASPBIT+2780BIT FOR RBIFLAG TESTS
134		DEF	RRBIT	RERUN SPECIFIED BIT IN BWISDA
135		DEF	RRRBIT	ALREADY RERUN BIT IN BWISDA
136		DEF	JEBIT	JOBENT SUBMITTED BIT IN BWISDA
137	*			
138		DEF	BIIASPN	4 WORD AREA FOR MBS TO BUILD TEMP
139	*,*			COPY OF DEVICE OWNERSHIP BITS
140		DEF	BSLICRES	8 WORD AREA FOR MBS TO BUILD TEMP
141	*,*			AVAILABLE RESOURCES TABLE
142		DEF	BBICRES	4 WORD AREA FOR MBS TO COUNT UP
143	*,*			RESOURCE REQUIREMENTS FOR UNMOUNTED
144	*,*			SHARED SPINDLES
145		DEF	BADRS	WORD ADDRESS OF B+WIRES FOR THE GUY
146	*,*			WE ARE WORKING ON
147	*			
148		DEF	TMPSTK	RBBAT'S TEMP STACK

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149		DEF	FINFLG	THIS JOB HAD FIN AT END FLAG	83
150		DEF	FLAGS	TEMP HOLDING CELL FOR RB;FLAG	
151		DEF	PGCNT	32* NUMBER OF 256 WORD BUFFERS ALLOC	
152		DEF	SVCBF	ADDRESS OF CURRENT COMBUF	
153		DEF	INVRN	BUFFER FOR RBBATR TO READ IN ENVIRON	
154	**			RECORD FROM IRBBRVR	
155		DEF	INVRNSZ	SIZE IN BYTES OF INVRN	
156		DEF	RSID	LAST USED SYSID SAVED TO UPDATE S;US	
157	**			AFTER A CRASH	
158		DEF	RCVRBUF	USED BY RBBATR TO HOLD ADDRESS OF	
159	**			BUFFER INTO WHICH COMBUF RECORD OF	
160	**			IRBBRVR IS READ	
161		DEF	RCVRFLG	WORD NOT ZERO => RECOVERY IN PROGRESS	
162	**			BYTES NOT ZERO => PAST POINT OF RECO	
163	**			IN COMBUFS	
164		DEF	RCVRPTR	WHERE TO GO AFTER PROCESSING COMBUF	
165	**			DURING RECOVERY	
166		DEF	RCVRSV	USED BY RBBATR TO STORE RECOVERY FL	
167		DEF	RCVUN	USED BY RBBATR TO STORE CURRENT USE	
168	**			AT TIME OF CRASH	
169	*				
170		DEF	CTR1	EXIT FOR COMBUF PROCESSING - FREE C	
171		DEF	CTR2	RBBAT WAKEUP ADDRESS	
172		DEF	CTR4	EXIT FOR COMBUF PROCESSING - NO FRE	
173	**			OF COMBUF	
174		DEF	CTR5	ENTRY TO BRANCH TO COMBUF PROCESSING	
175	**			ROUTINE AFTER REGISTER SETUP	
176	*				
177		DEF	F81	EXIT FROM REMOTE STREAM PROCESSING	
178		DEF	BADRID1	EXIT WHEN REMOTE TERMINAL FAILS TO	
179	**			LOGON	
180		DEF	DELJOB	EXIT TO GET RID OF ABORTED LOCAL JOB	
181		DEF	LSTSECT	EXIT TO GET RID OF ABORTED RP JOB	
182		DEF	RBOHU	ROUTINE THAT PROCESSES REMOTE TERM	
183	**			HANG UPS	
184	*				
185	*				

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REF BBIDEV, BB:PI, BBIRID, BHISLNK, BHIXLNK
 REF BDIACCT, BH:LINK, BH:SID, BH:PART
 REF BH:TIME, B4W:RES, BW:SDA
 REF SCNTXT
 REF S#H:LNK, S#WISER
 REF BH:GRAN
 REF DCTS12, DCT16, DCT4, DCT7, BCDCT
 REF E:ABRT, E:SL, T:REG, T:RUE, E:UQA, E:SYMP, T:RE
 REF GMB, RMB, MBS, MBSOP, GETUSER#, GBG
 REF NEWQ, NEWQNW, BH:NM
 REF M16, M24, M8, XF, YFFFF, Y04, Y8, Y002
 REF Y4, Y2, Y1, Y08, Y01, M7, YFF
 REF X80
 REF NXTSID, S:BFIS, SGCHD, SGCBUF
 REF SSIG, SNDDX, SAGNSERT, SSTAT, SL:BMX
 REF RBL:MS, RBB:ID, RB:MFAD, RB:SPMF, LCLX
 SREF RB:FLAG, RBB:CPZ, RBB:LPZ, RB:XFLG
 SREF RBB:MXP, RBD:WSN, T0FO:DOT
 SREF HASPI8, 2780I8, HASPCU, 2780CU
 REF DCT8, DCT9, TIGJOBSTRT
 REF MIXX, SIMBSF
 REF RCVRABRT, LRRCVR, RCVRY, RCVRY1
 REF INFIL, OUTFIL, BL:OFS, BL:IFS, MFS
 REF S:CUN, MP00L, CURBQ, MAXBQ, U:MISC
 REF SISBGC
 SREF RB:BUF, RBB:HFE, RBB:SMO, RBB:BCB
 SREF RBB:MIN, RBB:MOU, ML:CTL
 SREF STB:LNK, STH:FLG
 REF M5, STB:TYP, DCT:MASK, MXSTRM, RBH:MFY
 REF TB:SZ
 SREF STH:NM, STH:SUS
 SREF OCPTY, BB:JDE, STB:JDE, BW:F0VL, STW:F0V
 SREF RBB:DSM, STB:DPD
 REF BB:COPY, BW:FORM, STW:FORM
 REF Y07, Y004, M15

223	REF	JIT, SYMX, SMUIS, TIME, DATE, RISYMF, SBIRQ, BOOTFLG	
224	REF	SICUIS, CIETM, SIBUIS	
225	REF	Y3, Y008, Y05, Y02	
226	REF	SVIRSIZ, SHIRNM, SBIRBMX, SBIRBDF	
227	REF	SVITI, SLIBDF	
228	REF	S#BITYP, OBIBTX, SHIRTOT, SBIRTY, TBIFLGs	
229	SREF	HARIDBT, HSEIDBT, HRSIDBT	
230	REF	T, STLPP, T, RSPP, S, STLC	
231	REF	SWTINIT, SPOOL, SWTUC	
232	REF	SVITYM, SHISYMT CHK ON THIS IN MON	
233	REF	SCSVDMI, SCSWIT, YOOFF	
234	SREF	HOCMP1	
235	REF	TSTACK, BLANK, TBIMAX	
236	SREF	MVREC, PSRCB	
237	REF	TYPMNSZ, RELCB, SWTEND	
238	REF	BT3ITAO, LPART, PLHIFLG	
239	REF	UBIPRI08	
240	REF	Y001	
241	REF	Y0008	
242	REF	X8000 MASK	
243	REF	BHICBMID COMODE ID OF SYMBIONT FILES	
244	REF	STHICMDV COMODE ID OF FILE CURRENTLY	
245	**	PRINTING ON SYMBIONT DEVICE	
246	REF	PLB,USR USER NO. OF USER IN A PARTITION	
247	REF	PLHISID SYSID OF JOB CURRENTLY IN PARTITION	
248	*****		
249	02 00000	CSECT 1	
250	02 00000	RBG EQU *	
251	02 00000	INITRBG EQU *	
252	02 00000 70200000 X	LC JIT	
253	02 00001 69400003	BCS,4 #+2	
254	02 00002 04900001 A	CAL1,9 1	
255	02 00003 32000000 X	LW,RO BOOTFLG	
256	02 00004 68300007	BEZ #+3	
257	02 00005 048011E4	CAL1,8 WAIT	
258	02 00006 68000003	B #+3	
259	02 00007 046011E2	CAL1,6 GTPG MASTER MODE	

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260	02	00008	048011E5	
261	02	00009	32100000	X
262	02	0000A	73820000	X
263	02	0000B	120011FA	
264	02	0000C	6AA00000	X
265		02	0000D	
266	02	0000D	22000000	N
267	02	0000E	69300013	
268	02	0000F	22100034	A
269	02	00010	75100349	03
270	02	00011	2210001F	A
271	02	00012	751003E0	03
272		02	00013	
273	02	00013	22100000	N
274	02	00014	22300007	N
275	02	00015	22000359	03
276	02	00016	6A7010E0	
277	02	00017	22100004	A
278	02	00018	21100000	N
279	02	00019	6820001B	
280	02	0001A	22100000	N
281	02	0001B	32300001	A
282	02	0001C	20300007	A
283	02	0001D	22000376	03
284	02	0001E	22700037	
285	02	0001F	680010E0	
286		02	00020	
287	02	00020	321000D3	03
288	02	00021	6930002C	
289	02	00022	46100002	03
290	02	00023	6D000037	A
291	02	00024	72200000	X
292	02	00025	F5200001	A
293	02	00026	20100000	N
294	02	00027	75100000	X
295	02	00028	6D000027	A
296	02	00029	20200000	A

KDSETM

KDST1

CTR1

CAL,8	IGTRAPS
LW,R1	S,CUN
MTB,=8	UBIPRI0B,R1
LD,R0	TCAT
BAL,R10	TIGJOBSTRT
EQU	*
LI,R0	BWIF0VL
BNEZ	KDST1
LI,R1	NO0MS7
STB,R1	DISMES0
LI,R1	SMDMN7
STB,R1	SYMDM
EQU	*
LI,R1	SVIRSIZ
LI,R3	RESINX*SVIRSIZ
LI,R0	DISMESIR
BAL,7	SETDM
LI,R1	4
CI,R1	SVIRSIZ
BLE	*+2
LI,R1	SVIRSIZ
LW,R3	R1
AI,R3	RESINX
LI,R0	DISMESIN
LI,R7	CONTROL
B	SETDM
EQU	*
LW,R1	RCVRFLG
BNEZ	CTR4
XW,R1	SVCBF
WD,0	X'371
LB,R2	SGCHD
STB,R2	*R1
AI,R1	*SGCBUF
STB,R1	SGCHD
WD,0	X'271
AI,R2	0

TO GET JIT DA
BUILD DISPLAY MESSAGES

RELEASE THE CURRENT COMBUF
TO THE FREE CHAIN, IF IT
IS THE ONLY FREE ONE,
RECORD SYMFILE AVAILABLE
EVENT
!
!
!
!
!

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```

297 02 0002A 6930002C X
298 02 0002B 6A300C56
299 02 0002C
300 02 0002C 19500000 X
301 02 0002D 69900035
302 02 0002E 6D000037 A
303 02 0002F 328A0000 X
304 02 00030 4580149B
305 02 00031 4890149C
306 02 00032 49800009 A
307 02 00033 358A0000 X
308 02 00034
309 02 00034 6D000027 A
310 02 00035
311 02 00035 321000D3 03
312 02 00036 F93000D4 03
313 02 00037
314 02 00037 227000FF A
315 02 00038 4A700000 X
316 02 00039 6830006D
317 02 0003A 20700000 N
318 02 0003B 35700002 03
319 02 0003C 6D000037 A
320 02 0003D F2100007 A
321 02 0003E 69300041
322 02 0003F 22200001 A
323 02 00040 75140000 X
324 02 00041 22200003 A
325 02 00042 75140000 X
326 02 00043 6D000027 A
327 02 00044 F2240007 A
328 02 00045
329 02 00045 22100001 A
330 02 00046 F2320007 A
331 02 00047 353000ED 03
332 02 00048 22100002 A
333 02 00049 F2520007 A

```

CTR4

CTR2

CTR6

CONTROL

CTR5

```

BNEZ CTR4
BAL,R3 SYMF
EQU $
CLM,R5 RBLIMS
BCS,9 CTR6
WD,0 X'37'
LW,R8 RBIFLAG,R5
AND,R8 MSKH
AND,R9 MSKG
OR,R8 R9
STW,R8 RBIFLAG,R5
EQU $
WD,0 X'27'
EQU $
LW,R1 RCVRFLG
BNEZ *RCVRPTR
EQU $
LI,R7 X'FF'
LS,R7 SGCHD
BEZ CTR3
AI,R7 SGCBUF
STW,R7 SVCBF
WD,0 X'37'
LB,R1 *R7
BNEZ *+3
LI,R2 1
STB,R1 SGCHD,R2
LI,R2 3
STB,R1 SGCHD,R2
WD,0 X'27'
LB,R2 *R7,R2
EQU $
LI,R1 1
LB,R3 *R7,R1
STW,R3 SYMIDX
LI,R1 2
LB,R5 *R7,R1

```

```

;
;
-----
IF REQUEST INVOLVED AN RBT
COMBINE NEWLY MODIFIED GHOST
FLAGS WITH LATEST HANDLER
FLAGS AND STORE IN RBIFLAG
SOME FLAGS ARE CONTROLLED
BY THE GHOST AND OTHERS BY THE
HANDLER. THOSE BOTH CONTROL ARE
SPECIAL CASED
-----
IF GHOST RECOVERY IS IN CONTROL
THE COMMUNICATION BUFFERS ARE
SPECIALLY TREATED IN RCVR
;
-----
GET THE NEXT COMBUF FROM THE USE
CHAIN. IF THERE ARE NONE GO
TO SLEEP. SET R5=DCT INDEX
AND R9=RBIFLAGS (IF REMOTE)
THEN GO TO APPROPRIATE ROUTINE
BASED ON GHOST FUNCTION CODE
;
;

```


334 02 0004A 329A0000 X
 335 02 0004B 2120001E A
 336 02 0004C 69200020
 337 02 0004D 6804004E

LW,R9 RBIFLAG,R5
 CI,R2 #GFC
 BQ CTR1
 B \$+1,R2
 NAME: RBBATM CTR (CONTROL)

1*
 2*
 3*
 4*
 5*
 6*
 7*
 8*
 9*
 10*
 11*
 12*
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 14*
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 16*

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DESCRIPTION:
 GFCSTRT IS THE CENTRAL JUMP TABLE FOR ALL RBBAT GHOST
 FUNCTION CODES. FORMAT OF THE ARGUMENTS IN THE COMBUF
 POINTED AT BY R7 MAY BE FOUND IN THE DATA BASE TECH. MANUAL.
 REGISTERS SETUP HERE FOR ALL LATER PROCESSING ROUTINES ARE:

R1 THE VALUE 2 FOR INDEXING
 R2 THE GFC BEING PROCESSED
 R3(SYMINDX) USUALLY THE SYMBIONT INDEX FROM
 COMBUF BYTE 1.
 R5 USUALLY THE DCT INDEX OF THE DEVICE
 AFFECTED BY THE GFC.
 R7 POINTS AT THE COMBUF(WORD ADR).
 R9 RBIFLAG,R5 THE RBT FLAG WORD.

17* 02 0004E 68000020
 18* 02 0004F 68000096
 19* 02 00050 68000091
 20* 02 00051 680000BC
 21* 02 00052 6800033C
 22* 02 00053 68000338
 23* 02 00054 68000341
 24* 02 00055 68000314
 25* 02 00056 680001F1
 26* 02 00057 68000165
 27* 02 00058 68000F7B
 28* 02 00059 68000E96
 29* 02 0005A 68000EAF
 30* 02 0005B 68000F7E
 31* 02 0005C 68000F9F
 32* 02 0005D 68000F65
 33* 02 0005E 68000F51

GFCSTRT	B	CTR1	00	N&P * RELEASE BUFFER ONLY
	B	AIF	01	ADD INPUT FILE
	B	AIFJE	02	ADD INPUT FILE (JOBENT)
	B	AIFNC	03	ADD INPUT FILE (NON-CONTROL)
	B	ABFL	04	ADD OUTPUT FILE (LAST)
	B	ABF	05	ADD OUTPUT FILE FROM BATCH
	B	ABFNB	06	ADD OUTPUT FILE NON-BATCH
	B	ABFP	07	ADD PARTIAL OUTPUT FILE
	B	GBF	08	GET OUTPUT FILE
	B	GIFNC	09	GET INPUT FILE (NON-CONTROL)
	B	MBSCALL	0A	MULTI-BATCH SCHEDULE
	B	KPRI0	0B	PRIS KEYIN
	B	KDEL	0C	DELETE KEYIN
	B	KFORM	0D	KEYIN SYYNDD,FIFORMI
	B	KDISP	0E	DISPLAY KEYIN
	B	JESTAT	0F	JOBENT STATUS REQUEST
	B	JEDEL	10	JOBENT DELETE REQUEST

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34* 02 0005F 68000ED5
 35* 02 00060 68000E5E
 36* 02 00061 68000E4E
 37* 02 00062 68000E1D
 38* 02 00063 68000077
 39* 02 00064 680009DE
 40* 02 00065 68000DAE
 41* 02 00066 68000448
 42* 02 00067 68000000 X
 43* 02 00068 68000000 X
 44* 02 00069 68000E8A
 45* 02 0006A 680011C5
 46* 02 0006B 680001B6
 47* 02 0006C 680011CD
 48* 0000001E
 49*

B	KSWIT	11	17	RBSWITCH KEYIN
B	KCOM	12	18	RBCOM KEYIN(SEND A COMMAND REMOTE)
B	KSEND	13	19	RBSEND KEYIN
B	KBCST	14	20	RBBDCST KEYIN
B	RB*DU	15	21	RBT DIAL UP
B	RB*LRR	16	22	RBT LOGON RECORD RECIEVED
B	RB*HU	17	23	RBT HANG UP
B	RB*BCM	18	24	OC MSG REMOTELY
B	RCVRY	19	25	RECOVER REQUEST
B	RCVRY1	1A	26	RECOVERY OCCURED HERE
B	KFFRM	1B	27	SET FILE FORMS
B	KOSTOP	1C	28	OUTPUT STOP,YYNDD KEYIN
B	RBBSPCL	1D	29	RBBAT SPECIAL INTERNAL CODES(MAGIC)
B	KFLUSH	1E	30	FLUSH YYNDD, ID KEYIN

#GFC EQU *-1-GFCSTRT

369 02 0006D 32100000 X
 370 02 0006D 32100000 X
 371 02 0006E 22B7FFFF A
 372 02 0006F 35B20000 X
 373 02 00070 6D000037 A
 374 02 00071 221000FF A
 375 02 00072 31100000 X
 376 02 00073 69400034
 377 02 00074 22600000 N
 378 02 00075 22B00034
 379 02 00076 68000000 X

CTR3 EQU \$
 LW,R1 S:CN
 LI,R11 X'17FFFF'
 STW,R11 U:MISC,R1 SLEEP FOREVER
 WD,0 X'137'
 LI,R1 X'1FF'
 CHECK TO SEE IF THERE
 ARE STILL NO ACTIVE COMBUFS
 IF NOT REG TO SLEEP
 CW,R1 SGCHD
 BANZ CTR2
 LI,R6 EISL
 LI,R11 CTR2
 B TIREG

380
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*
 *
 F NAME: RB*DU
 F
 F PURPOSE: PROCESS RBBAT COMBUF WITH GFC = DUP = REMOTE LINE CONN
 F
 F DESCRIPTION:
 F THE OPERATOR IS INFORMED THAT THE LINE IS CONNECTED.

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 423 02 0007F
 424 02 0007F 22401270
 425 02 00080 6A800B8F
 426 02 00081 209FFF00 A
 427 02 00082 68000020
 428 02 00083
 429 02 00083 22A00A12
 430 02 00084 3590005A 03
 431 02 00085 32600005 A
 432 02 00086 25600001 A
 433 02 00087 20600000 N
 434 02 00088
 435 02 00088 22100007 A
 436 02 00089 22E00040 A
 437 02 0008A F1E20006 A
 438 02 0008B 6930008D
 439 02 0008C 6410008A
 440 02 0008D 20100001 A
 441 02 0008E 25600002 A
 442 02 0008F 30600001 A
 443 02 00090 680008C3
 444
 445
 446
 447
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 457
 458
 459

```

RBDU1 EQU $
      LI,R4 SALUTE
      BAL,R8 TEL,RBT
      AI,R9  CTRBIT
      B      CTR1

AUTO$LOG EQU $
      LI,R10 LRR2
      STW,R9  FLAGS
      LW,R6   R5
      SLS,R6  1
      AI,R6   RBDIWSN

A$L1 EQU $
      LI,R1   7
      LI,R14  1 1
      CB,R14  *R6,R1
      BNE     $+2
      BDR,R1  $=2
      AI,R1   1
      SLS,R6  2
      AW,R6   R1
      B      PID0
  
```

```

*
*
*F* NAME: AIFJE
*F*
*F* PURPOSE: PROCESS RBBAT COMBUF WITH GFC = AIFJE = ADD CONTROL I
*F* FILE FROM JOBENT
*F*
  
```

```

*F* DESCRIPTION:
*F* AIFJE SETS UP THE STANDARD LOCAL DCT INDEX, PICKS UP
*F* SYSID FROM THE COMBUF, AND SETS THE JOBENT SUBMITTED
*F* BIT WHERE IT WILL EVENTUALLY WIND UP IN BWISDA. IT
*F* THEN ENTERS AIF, SKIPPING THE CALCULATION OF THE SYSI
*F*
*
  
```

460 02 00091 22500000 N
 461 02 00092 32CE0002 A
 462 02 00093 32B00000 X
 463 02 00094 47BE0001 A
 464 02 00095 48000097

AIFJE

EQU \$
 LI,R5 LCLX
 LW,R12 2,R7
 LW,R11 JEBIT
 STS,R11 1,R7
 B \$+2

ADD INPUT FILE (JOBENT)
 SET DCT NON-REMOTE AND
 COLLECT SYSID AND TYPE
 FROM JOBENT.

466 *
 467 *
 468 *F*
 469 *F*
 470 *F*
 471 *F*
 472 *F*
 473 *F*
 474 *F*
 475 *F*
 476 *F*
 477 *F*
 478 *F*
 479 *F*
 480 *F*
 481 *F*
 482 *F*
 483 *F*
 484 *F*
 485 *F*
 486 *F*
 487 *F*
 488 *F*
 489 *F*
 490 *F*
 491 *F*
 492 *F*
 493 *F*
 494 *
 495 *
 496

NAME: AIF

PURPOSE: PROCESS RBBAT COMBUF WITH GFC = AIF * ADD CONTROL INPI
 FILE FROM SYMBIONT DEVICE

DESCRIPTION:

AIF GETS A SYSID FOR THE NEW JOB AND SAVES IT IN CURS
 FOR DBJOB AND RSID FOR RBBATR. IT THEN GETS AN INPU
 BATCH QUEUE SLOT AND STORES THE DISC ADDRESS FROM THE
 COMBUF INTO ITS BWSIDA. IF THE FIN BIT IS SET IN THE
 D.A., FINFLG IS SET FOR RBCCOUT. THE BATCH QUEUE SLOT
 INDEX IS SAVED IN ADDX FOR EASY REFERENCE DOWN THE
 AIF PATH. IF WE ARE RECOVERING AND PAST THE POINT OF
 THE RECOVERY, RBBATR IS CALLED TO DELETE THE PARTIAL I
 AND TELL THE OPERATOR. IF THIS IS A PARTIAL FILE FROM
 A DISCONNECTED RBT IT IS DELETED. A 256 WORD BUFFER
 OBTAINED, THE FIRST SECTOR OF THE JOB FILE IS READ IN
 IT, AND REGISTERS ARE SET UP FOR THE SCAN OF THE RECOI
 IF THE FILE CAME IN FROM AN RBT AIF EXITS TO RBCCS
 TO PROCESS ANY RB CONTROL COMMANDS THAT MAY BE IN THE
 FRONT OF THE JOB AND CONTINUE JOB PROCESSING. FOR LBO
 FILES THE FIRST RECORD IS CHECKED FOR JOB AND IF IT
 NOT THE MISSING JOB COMMAND MESSAGE IS PRINTED AND TH
 IS DELETED. IF THE JOB COMMAND IS THERE, AIF EXITS TO
 TO CONTINUE PROCESSING THE JOB.

02 00096

AIF

EQU \$

ADD INPUT FILE

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497	02	00096	6AB00000	X
498	02	00097	35C00054	03
499	02	00098	55C00073	03
500		02	00099	
501	02	00099	22300024	A
502	02	0009A	52260024	03
503	02	0009B	22A000A6	
504		02	0009C	
505	02	0009C	6D000037	A
506	02	0009D	32FE0001	A
507	02	0009E	681000A1	
508	02	0009F	33100057	03
509	02	000A0	38F00000	X
510	02	000A1	35F40000	X
511	02	000A2	22600000	A
512	02	000A3	356E0001	A
513	02	000A4	6D000027	A
514	02	000A5	F800000A	A
515		02	000A6	
516	02	000A6	3520004B	03
517	02	000A7	726000D3	03
518	02	000A8	69300000	X
519	02	000A9	19500000	X
520	02	000AA	699000AD	
521	02	000AB	726A0000	X
522	02	000AC	683000BE	
523		02	000AD	
524	02	000AD	326000D8	03
525	02	000AE	693000B1	
526	02	000AF	6A600CF9	
527	02	000B0	357000D8	03
528	02	000B1	6A400416	
529	02	000B2	19500000	X
530	02	000B3	689003BC	
531	02	000B4	22500000	N
532	02	000B5	22300BF1	
533		02	000B6	

AIFX

GDA

AIF1

AIF2

CKJB

BAL,R11	NXTSID
STW,R12	CURSID
STH,R12	RSID
EQU	\$
LI,R3	FREI
LW,R2	BHIHPRI,R3
LI,R10	AIF1
EQU	\$
WD,0	X'37'
LW,R15	1,R7
BGEZ	\$+3
MTW,1	FINFLG
SW,R15	Y8
STW,R15	BWISDA,R2
LI,R6	0
STW,R6	1,R7
WD,0	X'27'
B	*R10
EQU	\$
STW,R2	ADDX
LB,R6	RCVRFLG
BNEZ	RCVRABRT
CLM,R5	RBLIMS
BCS,9	AIF2
LB,R6	RBBID,R5
BEZ	DELJOB
EQU	\$
LW,R6	SECT
BNEZ	\$+3
BAL,R6	GET256
STW,R7	SECT
BAL,R4	RESET
CLM,R5	RBLIMS
BCR,9	RB*CCS
LI,R5	LCLX
LI,R3	NO*JOB
EQU	\$

GET NEXT SYSID (TYPE=0)
 GET A QUEUE ENTRY AND PUT

THE DISC ADDRESS AWAY. IF
 Y8 IS SET IN DA SET FINFLG.

IF THIS FILE ADDED BY RECOVERY
 DELETE IT AND TELL THE OPERATOR
 IF FROM AN RBT THAT HAS HUNG UP
 DELETE IT. OTHERWISE GET A BUFFER
 AND READ THE FIRST SECTOR
 FROM THE RAD. IF DCTX IS REMOTE
 GO TO RB*CCS. IF NOT CHECK FOR

JOB CARD. IF NOT ONE TELL
 OPERATOR AND DELETE IT
 IF SO GO TO DBJOB

.....

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94

534 02 000B6 31E01211
 535 02 000B7 F9300003 A
 536 02 000B8 7210000F A
 537 02 000B9 21100040 A
 538 02 000BA F9300003 A
 539 02 000BB 68000C18

CW,R14 TJOB
 BNE *R3
 LB,R1 R15
 CI,R1 X'40'
 BNE *R3
 B DBJOB

CHECK FOR JOB CARD AND RETURN
 IF NOT PRESENT. OTHERWISE GO
 TO DBJOB.

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 565

*
 *
 F NAME: AIFNC
 F
 F PURPOSE: PROCESS RBBAT COMBUF WITH GFC = AIFNC = ADD NON-CONTRI
 F INPUT FILE
 F
 F DESCRIPTION:
 F IF WE ARE RECOVERING, PAST THE POINT OF RECOVERY, AND
 F THIS IS NOT A REMOTE PROCESSING INPUT FILE TO BE DIRE
 F PASSED TO AN OUTPUT DEVICE, THE FILE IS DELETED JUST
 F THOUGH IT WERE A JOB. IF WE ARE NOT RECOVERING THE FI
 F NAME AND THE DEVICE TYPE ARE OBTAINED, THE FORM NAME
 F CLEARED FROM STWIFORM, AND, FOR LOCAL FILES, CONTROL
 F TRANSFERRED TO AIFNC1. IF IT IS A REMOTE PROCESSING I
 F THE FORMS LOCK BIT IN STWIFLG (USED TO PASS FORMS BET
 F CP-V SYSTEMS) IS CHECKED AND, IF SET, THE FORM NAME I
 F STWIFORM IS REESTABLISHED. IF THE FILE IS TO BE DIRE
 F PASSED TO AN OUTPUT DEVICE, CONTROL IS TRANSFERRED TO
 F OTHERWISE THE DEVICE TYPE IS ANDED WITH THE DEVICE SEI
 F MASK TO PRODUCE THE INTERNAL DEVICE TYPE AND WE GO TO
 F AIFNC1. IF WE RECEIVED THIS FILE AS A PARTIAL FILE FI
 F A NOW DISCONNECTED RBT IT WILL BE DELETED.
 *
 *

566
 567 02 000BC 724000D3 03
 568 02 000BD 683000C0
 569 02 000BE 72460000 X
 570

AIFNC EQU *
 LB,R4 RCVRFLG
 BEZ *+3
 LB,R4 STB,DPD,R3

```

571 02 000BF 68300099
572 02 000C0 72460000 X
573 02 000C1 22D00000 A
574 02 000C2 46D60000 X
575 02 000C3 22600000 A
576 02 000C4 22E00022 A
577 02 000C5 19500000 X
578 02 000C6 699000D2
579 02 000C7 22F00020 A
580 02 000C8 51F60000 X
581 02 000C9 684000CB
582 02 000CA 35D60000 X
583 02 000CB 72F60000 X
584 02 000CC 69300111
585 02 000CD 72AA0000 X
586 02 000CE 4B40000A A
587 02 000CF 726A0000 X
588 02 000D0 693000D2
589 02 000D1 22E00023 A
    
```

```

BFZ AIFX
LB,R4 STB,TYP,R3
LI,R13 0
XW,R13 STWIFORM,R3
LI,R6 0
LI,R14 NCIPRI
CLM,R5 RBLIMS
BCS,9 AIFNC1
LI,R15 FLKBIT
CH,R15 STWIFLG,R3
BAZ *+2
STW,R13 STWIFORM,R3
LB,R15 STB,DPD,R3
BNEZ RB*DPD
LB,R10 RBBIDSM,R5
AND,R4 R10
LB,R6 RBBIID,R5
BNEZ *+2
LI,R14 DELPRI
    
```

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590 *
591 *
592 *F*
593 *F*
594 *F*
595 *F*
596 *F*
597 *F*
598 *F*
599 *F*
600 *F*
601 *F*
602 *F*
603 *F*
604 *F*
605 *F*
606 *F*
607 *F*
    
```

NAME: AIFNC1

PURPOSE: ADD A NON-CONTROL INPUT FILE TO THE BATCH QUEUE

DESCRIPTION:

AN OUTPUT BATCH QUEUE SLOT (WHICH NON-CONTROL INPUT USES) IS OBTAINED AND (USUALLY) CHAINED TO THE NON-CONTROL PRIORITY CHAIN. A SYSID IS GOTTEN, AND IT AND THE INTR FROM THE COMBUF ARE MOVED INTO THE BATCH QUEUE TABLES. AN APPROPRIATE MESSAGE IS CONSTRUCTED AND SENT TO THE OPERATOR TO TELL HIM THE FILE HAS BEEN RECEIVED. FOR LOCAL FILES AIFNC1 NOW EXITS TO CTR1 TO RELEASE THE CPU AND PROCESS THE NEXT. FOR RP FILES A MESSAGE IS PUT IN THE MESSAGE FILE TO TELL THE REMOTE OPERATOR THAT THE FILE HAS BEEN RECEIVED AND AIFNC1 EXITS VIA RBCCOUT TO COMPLETE RP FILE PROCESSING.


```

608
609
610
611      02 000D2
612 02 000D2 6A8001EB
613 02 000D3 20D00000 A
614 02 000D4 693000D6
615 02 000D5 32DE0002 A
616 02 000D6 35D40000 X
617 02 000D7 75440000 X
618 02 000D8 75640000 X
619 02 000D9 32AE0003 A
620 02 000DA 55A40000 X
621 02 000DB 22A00001 A
622 02 000DC 75A40000 X
623 02 000DD 6AA0009C
624 02 000DE 6AB00000 X
625 02 000DF 55C40000 X
626 02 000E0 32F0000C A
627 02 000E1 6AB008E1
628 02 000E2 12E013F8
629 02 000E3 61E00000 A
630 02 000E4 35D0014D 03
631 02 000E5 22E00534 03
632 02 000E6 30F00000 X
633 02 000E7 61E00000 A
634 02 000E8 6A40097E
635 02 000E9 19500000 X
636 02 000EA 689000FD
637 02 000EB 22E00000 N
638 02 000EC 30E00005 A
639 02 000ED 25E00003 A
640 02 000EE 20E00003 A
641 02 000EF 30F00000 X
642 02 000F0 61E00000 A
643 02 000F1 22800020
644
    
```

F

*

*

AIFNC1

```

EQU      *
BAL,R8   ADDFRE
AI,R13   0
BNEZ     #*2
LW,R13   2,R7
STW,R13  BWIF0RM,R2
STB,R4   BB;DEV,R2
STB,R6   BB;RID,R2
LW,R10   3,R7
STH,R10  BH;GRAN,R2
LI,R10   1
STB,R10  BB;COPY,R2
BAL,R10  GDA
BAL,R11  NXTSID
STH,R12  BH;SID,R2
LW,R15   R12
BAL,R11  HEXC
LD,R14   INPPTR
MBS,R14  0
STW,R13  INAM1
LI,R14   BA(INAM1)
AW,R15   Y04
MBS,R14  0
BAL,R4   COMEDIT
CLM,R5   RBLIMS
BCR,9    AIFNCRB
LI,R14   DA(DCT16)
AW,R14   R5
SLS,R14  3
AI,R14   3
AW,R15   Y05
MBS,R14  0
LI,R8    CTR1
    
```

*

```

645
646
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648
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656
657      02 000F2
658 02 000F2 21100023 A
659 02 000F3 683009C0
660 02 000F4 32D40000 X
661 02 000F5 68300950
662 02 000F6 6A40097E
663 02 000F7 35D00152 03
664 02 000F8 22E00548 03
665 02 000F9 30F00000 X
666 02 000FA 61E00000 A
667 02 000FB 35D00152 03
668 02 000FC 68000950
669      02 000FD
670 02 000FD 32301214
671 02 000FE 35300152 03
672 02 000FF 323000ED 03
673 02 00100 52C60000 X
674 02 00101 55C00150 03
675 02 00102 25C00278 A
676 02 00103 6A40097F
677 02 00104 25C00208 A
678 02 00105 6A40097F
679 02 00106 6A8000F2
680
681
    
```

```

*
*0*      MESSAGE: *INPUT SYSID,YYNDD(,NAME)
*0*
*0*      MEANING: A NON-CONTROL INPUT FILE HAS BEEN ENTERED FROM DEVICE
*0*      YYNDD, AND HAS BEEN ASSIGNED THE GIVEN SYSID. IF THE
*0*      NAME IS PRESENT IT IS THAT FROM THE NCTL COMMAND OR
*0*      SYYNDD,'XXXX' KEYIN.
*0*
*0*      ACTION: NONE - INFORMATION ONLY
*0*
*
*
*0*      TEL$0PNC EQU $
*0*      CI,R1 DELPRI
*0*      BE AIFOUT
*0*      LW,R13 BW;FORM,R2
*0*      BEZ TEL$0PJ
*0*      BAL,R4 COMEDIT
*0*      STW,R13 INAM3
*0*      LI,R14 BA(INAM3)
*0*      AW,R15 Y04
*0*      MBS,R14 0
*0*      STW,R13 INAM3
*0*      B TEL$0PJ
*0*      AIFNCRB EQU $
*0*      LW,R3 TZEROS
*0*      STW,R3 INAM3
*0*      LW,R3 SYMINDX
*0*      LW,R12 STH;NM,R3
*0*      STH,R12 INAM2
*0*      SCS,R12 #8
*0*      BAL,R4 EDIT
*0*      SCS,R12 8
*0*      BAL,R4 EDIT
*0*      BAL,R8 TEL$0PNC
*
*
    
```

```

682
683
684
685
686
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691
692
693 02 00107 323000ED 03
694 02 00108 72C60000 X
695 02 00109 6930010E
696 02 0010A 6A4003BF
697 02 0010B 02000000 A
698 02 0010C 2210014B 03
699 02 0010D 6AB00759
700 02 0010E
701 02 0010E 3590005A 03
702 02 0010F 224009C0
703 02 00110 680006B4
704
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718
    
```

```

*0* MESSAGE: *RBNDD * WSN ** *INPUT SYSID,DEV(,NAME)
*0*
*0* MEANING: A NON-CONTROL INPUT FILE HAS BEEN ACCEPTED FROM DEVICE
*0* DEV AT WORKSTATION WSN CONNECTED TO RBNDD AND HAS BEEN
*0* ASSIGNED THE GIVEN SYSID. THE NAME, IF PRESENT, IS TAKEN
*0* FROM THE NCTL COMMAND OR THE RBFORM CONTROL COMMAND
*0*
*0* ACTION: NONE - INFORMATION ONLY
*0*
*
*
LW,R3 SYMINDX
LB,R12 STB:DPD,R3
BNEZ AIFNCRB1
BAL,R4 SETHOR
NOP
LI,R1 INAM
BAL,R11 MOVEMES
AIFNCRB1 EQU *
STW,R9 FLAGS
LI,R4 AIFOUT
B RBCCOUT
*
*
*F* NAME: RB$DPD
*F*
*F* PURPOSE: CONVERTS NON-CONTROL INPUT FILES FROM REMOTE PROCESSING
*F* TERMINALS INTO OUTPUT FILES FOR LOCAL DEVICES
*F*
*F* DESCRIPTION:
*F* RB$DPD IS CALLED WHENEVER A NON-CONTROL INPUT FILE IS
*F* RECEIVED FROM A STREAM THAT HAS A NON-ZERO STB:DPD.
*F* IN THESE CASES, STB:DPD CONTAINS THE LOCAL DEVICE TYPE
*F* THE FILE IS TO BE OUTPUT ON. IF THE SUBMITTING TERMINAL
*F* IS NO LONGER CONNECTED AND THE DEVICE WAS OPERATING IN
*F* KEEP MODE, THE FILE IS DELETED. IF THE TARGET DEVICE
*F* IS A LISTING DEVICE OR CARD PUNCH, A DISC BLOCK IS WR
    
```

H01 15:40 SEP 08, 1975

```

719
720
721
722
723
724
725
726
727
728      02 00111
729 02 00111 726A0000 X
730 02 00112 69300115
731 02 00113 70260000 X
732 02 00114 691000D1
733 02 00115 72460000 X
734 02 00116 6A800B9B
735 02 00117 323000ED 03
736 02 00118 70280000 X
737 02 00119 6940011C
738 02 0011A 21400005 A
739 02 0011B 6930014A
740 02 0011C 22A0014A
741 02 0011D 02200000 A
742 02 0011E 0B00008C 03
743 02 0011F 52260000 X
744 02 00120 55200108 03
745 02 00121 12EA0000 X
746 02 00122 35E001D4 03
747 02 00123 35F001D5 03
748 02 00124 22500000 N
749 02 00125 6A400C46
750 02 00126 2220073C 03
751 02 00127 303011E9
752 02 00128 61200000 A
753 02 00129 323000ED 03
754 02 0012A 72460000 X
755      02 0012B

```

```

*F*
*F*
*F*
*F*
*F*
*F*
*F*
*
*

```

RB\$DPD

```

EQU $
LB,R6 RBBID,R5
BNEZ $+3
LC SYMX,R3
BCS,1 AIFNC1=1
LR,R4 STBIDPD,R3
BAL,R8 STSM1
LW,R3 SYMINDX
LC TBIFLGS,R4
BCS,4 $+3
CI,R4 5
BNE RBDDPD1
LI,R10 RBDDPD1
LCI 0
PSM,R0 TMPSTK
LW,R2 STWINM,R3
STH,R2 RMTBAN1
LD,R14 RBDIWSN,R5
STW,R14 RMTBAN2
STW,R15 RMTBAN2+1
LI,R5 LCLX
BAL,R4 BANNER
LI,R2 BA(RMTBAN)
AW,R3 RMTBPTR
MBS,R2 0
LW,R3 SYMINDX
LB,R4 STBIDPD,R3
EQU $

```

NEWBAN

99

CONTAINING A SYMBIONT BANNER RECORD AND FLINKED TO THE ORIGINAL STARTING DISC ADDRESS OF THE FILE. A SPECIAL FUNCTION CODE PREVENTS THIS BLOCK FROM CAUSING BLINK FAILURES. RBBIMXP IS USED AS THE OUTPUT PRIORITY, AND RB\$DPD CALLS AIFNC1 SPECIFYING THIS PRIORITY INSTEAD OF THE NON-CONTROL INPUT PRIORITY.

H01 15:40 SEP 08, 175

756	02	0012B	326A0000	X
757	02	0012C	22E00000	A
758	02	0012D	35EC00FF	A
759	02	0012E	32EC0001	A
760	02	0012F	21400005	A
761	02	00130	6930013F	
762	02	00131	32E01225	
763	02	00132	207FFFD9	A
764	02	00133	32A0005E	03
765	02	00134	6830013F	
766	02	00135	20EFFFFFF	A
767	02	00136	22AFD000	A
768	02	00137	66AC0002	A
769	02	00138	207FFFFFFE	A
770	02	00139	22A00000	A
771	02	0013A	75AE0000	A
772	02	0013B	207FFFED	A
773	02	0013C	22A000D2	A
774	02	0013D	75AE0000	A
775	02	0013E	20700015	A
776		02 0013F		
777	02	0013F	20E00200	A
778	02	00140	35EC0001	A
779	02	00141	6AA00D91	
780	02	00142	32300002	03
781	02	00143	46860001	A
782	02	00144	32960001	A
783	02	00145	6AA00D60	
784	02	00146	6A800D99	
785	02	00147	02200000	A
786	02	00148	0A00008C	03
787	02	00149	8800000A	A
788		02 0014A		
789	02	0014A	72EA0000	X
790	02	0014B	20E00011	A
791	02	0014C	22600000	A
792	02	0014D	680000D2	

NWBAN1

RBDPD1

LW,R6	RBIMFAD,R5
LI,R14	0
STW,R14	255,R6
LW,R14	1,R6
CI,R4	5
BNE	NWBAN1
LW,R14	PUNBAN
AI,R7	*39
LW,R10	K0MP
BEZ	NWBAN1
AI,R14	*1
LI,R10	*X'3000'
AWM,R10	2,R6
AI,R7	*2
LI,R10	0
STB,R10	0,R7
AI,R7	*19
LI,R10	X'D2'
STB,R10	0,R7
AI,R7	21
EQU	\$
AI,R14	X'200'
STW,R14	1,R6
BAL,R10	GGRAN
LW,R3	SVCBF
XW,R8	1,R3
LW,R9	1,R3
BAL,R10	WMFS
BAL,R8	RELMF
LCI	0
PLM,R0	TMPSTK
B	*R10
EQU	\$
LB,R14	RBBIMXP,R5
AI,R14	00PRI
LI,R6	0
B	AIFNC1

```

793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808      02 0014E
809      02 0014E 2290000F A
810      02 0014F 48900005 A
811      02 00150 72B40000 X
812      02 00151 21900005 A
813      02 00152 68300155
814      02 00153 21B00040 A
815      02 00154 6840000A A
816      02 00155
817      02 00155 21B00008 A
818      02 00156 68400158
819      02 00157 35B0005E 03
820      02 00158 02200000 A
821      02 00159 0B00008C 03
822      02 0015A 6AB008E1
823      02 0015B 35D00330 03
824      02 0015C 22100332 03
825      02 0015D 6A800FE6
826      02 0015E 22500000 N
827      02 0015F 6A400C46
828      02 00160 22200CAC 03
829      02 00161 303011EB
    
```

```

*
*
*F*      NAME:      PRTBAN
*F*
*F*      PURPOSE: APPENDS BANNERS TO PARTIAL OUTPUT FILES WHERE REQUIRED
*F*
*F*      DESCRIPTION:
*F*      WHEN A PARTIAL OUTPUT FILE IS RETURNED FROM OUTSYM,
*F*      PRTBAN WRITES A DISC BLOCK WITH A BANNER FLINKED TO THE
*F*      NEW STARTING D.A. OF THE FILE IF IT IS BOUND FOR A CARD
*F*      PUNCH OR LISTING DEVICE. A SPECIAL FUNCTION CODE PREVENTS
*F*      BLINK FAILURES. HASP COMPRESSION IS DONE IF NECESSARY.
*
*
*
PRTBAN  EQU      $
LI,R9   XIF,
AND,R9  R5
LB,R11  SYMX,R2
CI,R9   5
BE      PBN1
CI,R11  X'40'
BAZ     *R10
PBN1    EQU      $
CI,R11  8      HASP
BAZ     $+2
STW,R11 KOMP
LCI     0
PSM,0   YMPSTK
BAL,R11 HEXC
STW,R13 PBNM1
LI,R1   PBNM2
BAL,R8  TIMIN
LI,R5   LCLX
BAL,R4  BANNER
LI,R2   BA(PBNM)
AW,R3   PBNPTR
    
```

```

15:40 SEP 08, 175
830 02 00162 61200000 A
831 02 00163 32400009 A
832 02 00164 4800012B
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852      02 00165
853 02 00165 32C00005 A
854 02 00166 32EE0002 A
855 02 00167 4930017D
856      02 00168
857 02 00168 22100004 A
858 02 00169 F2520007 A
859 02 0016A 22100007 A
860 02 0016B F2D20007 A
861 02 0016C 22100022 A
862 02 0016D 4A0002B6
863 02 0016E 48000F5C
864 02 0016F 21100022 A
865 02 00170 49300F5C
866 02 00171 71C40000 X

```

```

MBS,R2  0
LW,R4   R9
B       NEWBAN

```

*

*

F NAME: GIFNC

F

F PURPOSE: PROCESS RBBAT COMBUF WITH GFC = GIFNC * GET NON-CONTROL
 F INPUT FILE

F

F DESCRIPTION:

F

F

F

F

F

F

F

F

F

F

*

*

GIFNC

```

EQU $
LW,R12 R5
LW,R14 2,R7
BNEZ   GINCD0

```

* GO CHECK SPECIAL KEYS
 * BACK SO SPECIAL (IF ANY) ARE DONE.

GINC1

```

EQU $
LI,R1  4
LB,R5  +R7,R1
LI,R1  7
LB,R13 +R7,R1
LI,R1  NCIPRI
BAL,R0 FIND
B      JEX1
CI,R1  NCIPRI
BNE   JEX1
CB,R12 BB;DEV,R2

```

```

15:40 SEP 08, '75
867 02 00172 693002B9
868 02 00173 71D40000 X
869 02 00174 693002B9
870 02 00175 31E40000 X
871 02 00176 693002B9
872      02 00177
873 02 00177 22E00025 A
874      02 00178
875 02 00178 6A8001D9
876 02 00179 22400000 A
877 02 0017A 40000037 A
878 02 0017B 46440000 X
879 02 0017C 68000F5D
880
881
882
883
884
885
886
887
888
889
890
891
892      02 0017D
893 02 0017D 31E00000 X
894 02 0017E 6930018C
895 02 0017F 02200000 A
896 02 00180 0800008C 03
897 02 00181 331000C8 03
898 02 00182 22C00000 A
899 02 00183 22500000 N
900 02 00184 68000FA7
901
902      02 00185
903 02 00185 22500000 N
    
```

```

BNE FIND1
CB,R13 BB,IRID,R2
BNE FIND1
CW,R14 BW,IFORM,R2
BNE FIND1
EQU $
LI,R14 FRE0
EQU $
BAL,R8 CHNG
LI,R4 0
WD,0 X'37'
XW,R4 BWISDA,R2
B JEX

*
* CHECK FOR SPECIAL NCTL FUNCTIONS (SPILL AND DISPLAY)
*
REF SISPILLKEY
*,*
*,*
*,*
*,*
*,*
REF SIDSPKEY
*,*
*
GINCDO EQU $
CW,R14 S,DSPKEY
BNE GINCSP0
LCI 0
PSM,R0 TMPSTK
MTW,+1 MSFLG
LI,R12 0
LI,R5 LCLX
B GINCD

*
GINCD1 EQU $
LI,R5 LCLX
    
```

```

* IN COMBAT 0 => NO SPILL ON THIS
* SYSTEM. #0 MEANS SPILL AS FOLLOWS:
* BYTE0 BYTE1 BYTE2 BYTE3 OF SISPILL
* M N 0 P SPILL VARI
* 0 <= M <= N <= P <= FORRI
* 00PRI <= 0 <= P <= FORRI.
* IN COMBAT 0 => NO ONLINE DISPLAY ON
* THIS SYSTEM, ELSE THE MAGIC FORM I
*
* IS IT SPCL DSP KEY
* ..NOPE, TRY SPILL
* ALL REGISTERS ARE SAVED.
* ..SAVE THE REGS..
* SET MSG IN PROGRESS
* RESET DEV
* SET FUNCTION LOCAL.
* GO BUILD A DISPLAY.
*
* BACK WITH A DISPLAY BUILT
* POINT AT LOCAL FUNCTION
    
```


H01 15:40 SEP 08, 1975

```

904 02 00186 32FA0000 X
905 02 00187 68300189
906 02 00188 6A800D21
907 02 00189 02200000 A
908 02 0018A 0A00008C 03
909 02 0018B 68000168
910
911      02 0018C
912 02 0018C 32D00000 X
913 02 0018D 68300168
914 02 0018E 7200000E A
915 02 0018F 68300168
916 02 00190 220000FF A
917 02 00191 4800000E A
918 02 00192 22100001 A
919 02 00193 25D00210 A
920 02 00194 71020000 X
921 02 00195 6820019E
922 02 00196 7102000D A
923 02 00197 69200168
924      02 00198
925 02 00198 5210000E A
926 02 00199 4BE00000 X
927 02 0019A 51E0000D A
928 02 0019B 681001A0
929 02 0019C 52E0000D A
930 02 0019D 680001A0
931      02 0019E
932 02 0019E 25D00210 A
933 02 0019F 68000198
934      02 001A0
935 02 001A0 55E00001 A
936 02 001A1 32E00000 A
937 02 001A2 4610000E A
938 02 001A3 6A0002B6
939 02 001A4 68000F5C
940 02 001A5 7110000E A

```

```

LW,R15 RBIMFAD,R5
BEZ      #+2
BAL,R8   WMF
LCI      0
PLM,R0   TMPSTK
B        GINC1

*
GINCSP0 EQU      #
LW,R13   S1SPILLKEY
BEZ      GINC1
LB,R0    R14
BEZ      GINC1
LI,R0    X'FFF'
AND,R0   R14
LI,R1    1
SCS,R13  +16
CB,R0    S1SPILLKEY,R1
BLE      GINCSP12
CB,R0    R13,R1
BG       GINC1
GINCSP11 EQU     #
LH,R1    R14
AND,R14  M16
CH,R14   R13
BGE      GINCSP1
LH,R14   R13
B        GINCSP1
GINCSP12 EQU     #
SCS,R13  +16
B        GINCSP11
GINCSP1 EQU     #
STH,R14  R1
LW,R14   R0
XW,R1    R14
BAL,R0   FIND
B        JEX1
CB,R1    R14

```

```

* FETCH MS FILE POINTER
* NONE THERE
* ELSE WRITE IT
* RESTORE
* .. THE REGS,
* AND CONTINUE TO FIND THE NCTL IN

*
* SYSTEM MGR SAYS SPILL OK
* NOPE, CONTINUE NCTL.
* IS IT A SPILL REQUEST
* NOPE, CONTINUE NCTL.
* MASK OFF HI PRI
* FROM REQUEST
* A USEFUL INDEX.
* FOR EASE OF CODE
* WITHIN INPUT RANGE
* YEP SELECT INPUT RANGE
* WITHIN OUTPUT RANGE
* NOPE, CONTINUE NORMAL NCTL.
*
* SAVE THE USER'S DEVICE SPEC.
* SCRUB FOR COMPARE
* CHECK LOW LEVEL USER VS SYS MGR.
* USER WITHIN RANGE.
* SYSTEM MGR SAYS ONLY TO HERE.
* ..CONTINUE
*
* ADJUST TO SELECT OUTPUT RANGE
*
*
* SETUP LBPRI,0,0,DEV
* SETUP HIPRI
* R1 IS FIND ARG, R14 IS NONVOLATILE
* GET A CANDIDATE
* NOBODY HOME
* PAST LBPRI YET

```

H01 15:40 SEP 08, 1975

941	02	001A6	69100F5C	
942	02	001A7	32840000	X
943	02	001A8	31800000	X
944	02	001A9	68300289	
945	02	001AA	21100010	A
946	02	001AB	68300289	
947	02	001AC	691001B2	
948	02	001AD	71E40000	X
949	02	001AE	68300177	
950	02	001AF	21E000FF	A
951	02	001B0	68400177	
952	02	001B1	68000289	
953				
954		02 001B2		
955	02	001B2	33F00000	X
956	02	001B3	6A8009D1	
957	02	001B4	22E00024	A
958	02	001B5	68000178	

BL	JEX1
LW,R8	BWIFORM,R2
CW,R8	SIDSPKEY
BE	FIND1
CI,R1	RUNPRI
BE	FIND1
BL	GINCGI
CB,R14	BBIDEV,R2
BE	GINCG8
CI,R14	X'FFF'
BAZ	GINCG8
B	FIND1
*	
GINCGI	EQU
	MTW,-1
	BAL,R8
	LI,R14
B	GINCC

- * ..YEP, MUST BE DONE
- *
- * BYPASS THESE.
- *
- * CANT SPILL RUNNING FILES
- *
- * ASK AND IS AN INPUT JOB FILE.
- * BUTPUT BUT IS IT RIGHT DEVICE.
- * .. YEP, CONTINUE
- * NO BUT WAS DEVICE SPEC GIVEN
- * ..NO, SO ACCEPT IT
- * LOOK SOME MORE
- *
- * DECR BATCH FILES IN SYSTEM
- * RELEASE SER NO SLOTS IF ANY
- * SLOT GOES ON INPUT FREE CHAIN
- * ..CONTINUE.

```

1*
2*      02 001R6
3*
4*
5*
6*
7*
8*
9*
10*
11*
12*
13*
14*
15*
16*
17* 02 001B6  2200005 A
18* 02 001B7  22100004 A
19* 02 001B8  F2520007 A
20* 02 001B9  21200005 A
21* 02 001BA  692001C2
22* 02 001BB  680401BC
23* 02 001BC  680001C2
24* 02 001BD  680001C4
25* 02 001BE  680001C2
26* 02 001BF  680001C2
27* 02 001C0  680001C2
28* 02 001C1  680001C2
29*      00000005
30*
31*      02 001C2
32* 02 001C2  22400300 A
33* 02 001C3  68000F5D
34*
35*      02 001C4
36* 02 001C4  22A00000 A
37* 02 001C5  6AB00C0B

```

```

PAGE
RBBSPCL EQU $ * HANDLER FOR MAGIC INTERNAL CODES.
*
*
*F* NAME: RBBSPCL
**
** PURPOSE: PROCESS RBBAT COMBUF WITH GFC = SPCGFC * SPECIAL
** INTERNAL CODES.
**
** DESCRIPTION:
** AN ANALYST (USUALLY ONLINE) HAS REQUESTED A SPECIAL
** RBBAT FUNCTION AND WAS AUTHORIZED TO DO SO. RBBAT
** WILL THEREFORE DO HIS BIDDING IN THE HOPE HE KNOWS
** WHAT HE IS DOING AND CAN CORRECT WHATEVER PROBLEM
** HE HAPPENS TO BE WORKING ON.
**
** LW,R2 R5 * SAVE THE REQUESTED FUNCTION
** LI,R1 4 * COMBUF BYTE 4 CONTAINS
** LB,R5 *R7,R1 * ...THE USER TO UNPARK WHEN DONE.
** CI,R2 #SPCGFC * (BUT DID HE KNOW WHAT HE DID)
** BG SPCER * NOPE...BE HARD ON HIM.
** B $+1,R2 * DOIT FOR HEEM.
SPCGFCST B SPCER * A NOP ENTRY.
** B DMPRSD * DUMP RBBAT STATIC DATA
** B SPCER * REBET RBBAT STATIC DATA (LATER)
** B SPCER * DISPLAY RBBAT TABLES(LATER)
** B SPCER * SPILL FILES (LATER)
** B SPCER * ETC. LATER
#SPCGFC EQU $-1-SPCGFCST * NUMBER OF SPECIALS FOR NOW
*****
SPCER EQU $ * RETURN ERROR
** LI,R4 X103001 * IRBBAT SEZ NO DICE!
** B JEX *
*****
DMPRSD EQU $ * DUMP RBBAT STATIC DATA TO IRBBVRV
** LI,R10 0 * NO ERROR AS OF YET
** BAL,R11 SVIY * WE'RE LEAVING RBBAT FOR MONITOR

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15:40 SEP 08, 175
38* 02 001C6 04101451
39* 02 001C7 0410145F
40* 02 001C8 04101468
41* 02 001C9 04101463
42* 02 001CA 35B000DC 03
43* 02 001CB 3240000A A
44* 02 001CC 68000F5D
45*
46* 02 001CD 52A0000A A
47* 02 001CE 21A00300 A
48* 02 001CF 683001D6
49* 02 001D0 55A0000A A
50* 02 001D1 52A0000A A
51*
52* 02 001D2 52800000 X
53* 02 001D3 21800020 A
54* 02 001D4 694001C9
55* 02 001D5 680001CA
56*
57* 02 001D6
58* 02 001D6 22A00000 A
59* 02 001D7 0410143F
60* 02 001D8 680001C7
61*

```

```

DMPRSDS CAL1,1 0PNXX10
          CAL1,1 SETXXDCB
          CAL1,1 WRXXSD
DMPRSDC  CAL1,1 CLSXX0
          STW,R11 SVZ
          LW,R4 R10
          B JEX
*****
DMPABN  LW,R10 R10
          CI,R10 X'0300'
          BE NORBBRVR
          STH,R10 R10
DMPER   LW,R10 R10
*
          LW,R8 MIXX
          CI,R8 X'20'
          BANZ DMPRSDC
          B DMPRSDC+1
*****
NORBBRVR EQU $
          LI,R10 0
          CAL1,1 0PNXX0
          B DMPRSDS
*****

```

```

* CAN WE OPEN MIXX
* IS OPEN SO RESET ERR/ABN
* WRITE OUT THE STATIC DATA
* DONE WITH XX SO CLOSE
* THROUGH LEAVING RBBAT
* SET ERR CODE IF ANY FOR JEX
* UNPARK THAT USER AND DO NEXT
*****
* WAS THAT FILE DOESNT EXIST
* ...
* IF SO CREATE IT
* RESTORE
* RIGHT JUSTIFY THE ERR CODE
! TO GIVE IT TO THE USER
* DID WE GET IT OPENED
*...
* IF SO CLOSE IT
*...ELSE EXIT
*****
* IRBBRVR NOT THERE SO CREATE IT
* THAT IS NOT AN ERROR
* CREATES
*
*****

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 959
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02 001D9
 02 001D9 22FFFFFF A
 02 001DA 52320024 03
 02 001DB 31300002 A
 02 001DC 693001E5
 02 001DD
 02 001DD 52340000 X
 02 001DE 55320024 03
 02 001DF
 02 001DF 693001E1
 02 001E0 55320037 03
 02 001E1 4610000E A
 02 001E2 353000D0 03
 02 001E3 68000389
 02 001E4 3230000F A
 02 001E5
 02 001E5 52F60000 X
 02 001E6 31F00002 A
 02 001E7 693001E4
 02 001E8 52F40000 X

*
 *
 F
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 *

NAME: CHNG
 PURPOSE: MOVES BATCH QUEUE SLOT FROM ONE PRIORITY CHAIN TO ANO
 DESCRIPTION:
 CHNG FREES THE SLOT FROM ITS PRESENT CHAIN AND CALLS
 TO CHAIN IT BACK TO THE NEW CHAIN. THE INDEX OF THE
 PRECEEDING ENTRY ON THE OLD CHAIN IS SAVED IN PREV SO
 THAT CHNGRSET CAN KEEP LINKING THROUGH THE OLD CHAIN
 AFTER CHNG'ING ONE ENTRY

CHNG EQU \$
 LI,R15 =1
 LH,R3 BHIHPRI,R1
 CW,R3 R2
 BNE CHNG1
 CHNG3 EQU \$
 LH,R3 BHI LINK,R2
 STH,R3 BHIHPRI,R1
 CHNG2 EQU \$
 BNEZ \$+2
 STH,R3 BHI TPRI,R1
 XW,R1 R14
 STW,R3 PREV
 B ADDIT
 LW,R3 R15
 CHNG1 EQU \$
 LH,R15 BHI LINK,R3
 CW,R15 R2
 BNE CHNG1=1
 LH,R15 BHI LINK,R2

MOVE QUEUE FROM ONE CHAIN TO ANOTHE
 I
 FIND THE QUEUE IN R2 IN THE
 CHAIN IN R1 AND REMOVE IT.
 SAVE THE PREVIOUS ENTRY IN THE CHAI
 SO THAT CHNGRSET CAN CONTINUE
 A SEARCH. PUT THE NEW CHAIN IN R1
 FROM R14 AND THE OLD IN R14

995 02 001E9 55F60000 X
 996 02 001EA 680001DF
 997
 998
 999
 1000
 1001
 1002
 1003
 1004
 1005
 1006 02 001FB
 1007 02 001EB 22100025 A
 1008 02 001EC 52220024 03
 1009 02 001ED 680001DD
 1010
 1011
 1012
 1013
 1014
 1015
 1016
 1017
 1018
 1019
 1020 02 001FE
 1021 02 001EE 22100024 A
 1022 02 001EF 3220004B 03
 1023 02 001FO 680001DD
 1024
 1025 02 001F1
 1026 02 001F1 72560000 X
 1027 02 001F2 6830029C
 1028 02 001F3 22CFFFFFF A
 1029 02 001F4 35C00058 03
 1030 02 001F5 32C60000 X
 1031 02 001F6 22D00000 A

```

    *
    *
    *F* NAME:   ADDFRE
    *F*
    *F* PURPOSE: CHAINS A FREE OUTPUT BATCH QUEUE SLOT TO THE CALLER
    *F*             SPECIFIED PRIORITY CHAIN
    *
    *
    * ADDFRE EQU *
    * LI,R1  FREE GET A FREE OUTPUT ENTRY AND ADD IT
    * LW,R2  BH:HPRI,R1 TO THE CHAIN IN R1. PUT ENTX IN R2
    * B      CHNG3
    *
    *
    *F* NAME:   ADDJOB
    *F*
    *F* PURPOSE: CHAINS THE HEAD OF THE FREE INPUT SLOT CHAIN (KEPT IN
    *F*             ADDX FOR NEW BATCH JOBS) TO THE CALLER SPECIFIED PRIOR
    *F*             CHAIN
    *
    *
    * ADDJOB EQU *
    * LI,R1  FREI GET THE CURRENT FREE INPUT ENTRY
    * LW,R2  ADDX AND ADD IT TO THE CHAIN IN R1
    * B      CHNG3 PUT ENTX IN R2.
    *
    * *****
    * G8F EQU *
    * LB,R5  SNDDX,R3 GET OUTPUT FILE
    * BE     GDEL FIND THE HIGHEST PRIORITY OUTPUT
    * LI,R12 *1
    * STW,R12 FRMCK
    * LW,R12 STW:IFRM,R3
    * LI,R13 0 FILE THAT CAN BE OUTPUT ON THE
    
```

H01 15:40 SEP 08, 1975

1032 02 001F7 72E60000 X
 1033 02 001F8 52F60000 X
 1034 02 001F9 681001FC
 1035 02 001FA 22F00000 A
 1036 02 001FB 55F60000 X
 1037 02 001FC 22100021 A
 1038 02 001FD 19500000 X
 1039 02 001FE 69900202
 1040 02 001FF 72DA0000 X
 1041 02 00200 720A0000 X
 1042 02 00201 4BE00000 A
 1043 02 00202 00202
 1044 02 00202 6A0002B6
 1045 02 00203 68000285
 1046 02 00204 21100011 A
 1047 02 00205 68200285
 1048 02 00206 71E40000 X
 1049 02 00207 693002B9
 1050 02 00208 71D40000 X
 1051 02 00209 693002B9
 1052 02 0020A 32A40000 X
 1053 02 0020B 6840020E
 1054 02 0020C 31A00000 X
 1055 02 0020D 694002B9
 1056 02 0020E 52B40000 X
 1057 02 0020F 4BB01227
 1058 02 00210 31B0000F A
 1059 02 00211 68300219
 1060 02 00212 20F00000 A
 1061 02 00213 693002B9
 1062 02 00214 72600000 X
 1063 02 00215 206FFFFE A
 1064 02 00216 51BC0000 X
 1065 02 00217 683002B9
 1066 02 00218 64600216
 1067
 1068

02 00219

G0F4

* COMID0K

LB,R14 STBITYP,R3
 LH,R15 STH:CMDV,R3
 BGEZ \$+3
 LI,R15 0
 STH,R15 STH:CMDV,R3
 LI,R1 MFPR1
 CLM,R5 RBLIMS
 BCS,9 G0F4
 LB,R13 RBB:ID,R5
 LB,R0 RBB:DSM,R5
 AND,R14 R0
 EQU \$
 BAL,R0 FIND
 B G0F1
 CI,R1 08PRI
 BLE G0F1
 CB,R14 BB:DEV,R2
 BNE FIND1
 CB,R13 BB:RID,R2
 BNE FIND1
 LW,R10 BWISDA,R2
 BAZ \$+3
 CW,R10 XHOLD:BIT
 BANZ FIND1
 LH,R11 BHICOMID,R2
 AND,R11 X7FFF
 CW,R11 R15
 BF COMID0K
 AI,R15 0
 BNEZ FIND1
 LB,R6 SNDDX
 AI,R6 #2
 CH,R11 STH:CMDV,R6
 BF FIND1
 BDR,R6 \$-2
 EQU \$

COMODE ID FOR THIS DEVICE
B IF CURRENTLY IN COMODE

RESET TO 0 IN CASE NEGATIVE
ZERO AS THE DISC ADDRESS. WHEN THE
ENTRY HAS BEEN SET UP RESTART THE
SYMBIONT VIA SAGNSERT AND DON'T
RELEASE THE COMBUF. IF THE DEVICE

IS REMOTE ONLY NON HELD FILES
OF THE CURRENT DEVICE TYPE ARE

FOR A REMOTE DEVICE, CLEAR THE
APPROPRIATE FLAGS IN RB:FLAG
IF THE DCIX IS ZERO THIS IS THE
DELETE SYMBIONT. IF A REMOTE
MESSAGE FILE IS SELECTED DECREMENT
THE MESSAGE FILE COUNT AND IF ZERO
CLEAR PENDING BIT

! THE INFO RETURNED TO THE SYMBIONT IS
COMODE ID FOR THIS FILE
KNOCK OF LAST CHUNK FLAG, IF SET
SAME COMID AS THIS DEVICE

YEP
DEV. IN COMODE AT ALL
YEP; WE CANT OUTPUT THIS FILE
NOPE! DOES ANOTHER DEV. HAVE

THIS FILE'S COMID IF SO DONT
OUTPUT THIS FILE NOW
IF NOT, PUT DEV. INTO COMODE
ON THIS FILE'S COMID

HO1	15:40	SEP 08	175					
1069	02	00219	31C40000	X		CW,R12	BWIFORM,R2	
1070	02	0021A	68300220			BE	G0FG0T	
1071		02 0021B			G0FF	EQU	*	
1072	02	0021B	33100058	03		MTW,1	FRMCK	
1073	02	0021C	693002B9			BNEZ	FIND1	
1074	02	0021D	32B40000	X		LW,R11	BWIFORM,R2	
1075	02	0021E	35B00059	03		STW,R11	FRMNM	
1076	02	0021F	680002B9			B	FIND1	
1077		02 00220			G0FG0T	EQU	*	
1078	02	00220	21E00000	N		CI,R14	0CPTYP	
1079	02	00221	6930022A			BNE	G0FG0TIT	
1080	02	00222	22B00000	N		LI,R11	BWIF0VL	
1081	02	00223	6830022A			BFZ	G0FG0TIT	
1082	02	00224	32B40000	X		LW,R11	BWIF0VL,R2	
1083	02	00225	31B60000	X		CW,R11	STW,FBV,R3	
1084	02	00226	6930021B			BNE	G0FF	
1085	02	00227	72B40000	X		LB,R11	BBIJDE,R2	
1086	02	00228	71B60000	X		CB,R11	STBIJDE,R3	
1087	02	00229	6930021B			BNE	G0FF	
1088		02 0022A			G0FG0TIT	EQU	*	
1089	02	0022A	22300000	A		LI,R3	0	
1090	02	0022B	31A00000	X		CW,R10	SWITBIT	
1091	02	0022C	68400258			BAZ	G0FG0	
1092	02	0022D	32800000	X		LW,R8	SWTINIT	
1093	02	0022E	693002B9			BNEZ	FIND1	
1094	02	0022F	32800000	X		LW,R8	SISTLC	
1095	02	00230	691002B9			BLZ	FIND1	
1096	02	00231	02200020	A		LCI	2	
1097	02	00232	0B10008C	03		PSM,R1	TMPSTK	
1098	02	00233	6AB00C0B			BAL,R11	SVIV	
1099	02	00234	32B000D3	03		LW,R11	RCVRFLG	
1100	02	00235	69300237			BNEZ	*+2	
1101	02	00236	6AB00000	X		BAL,R11	TISTLPP	
1102	02	00237	35B000DC	03		STW,R11	SVZ	
1103	02	00238	02200020	A		LCI	2	
1104	02	00239	0A10008C	03		PLM,R1	TMPSTK	
1105	02	0023A	20300000	A		AI,R3	0	

H01 15140 SEP 08, 175

1106 02 0023B 682002B9
 1107 02 0023C 35300000 X
 1108 02 0023D 353000F0 03
 1109 02 0023E 737000F0 03
 1110 02 0023F 048000F0 03
 1111 02 00240 20300100 A
 1112 02 00241 6D000037 A
 1113 02 00242 32800000 X
 1114 02 00243 35300000 X
 1115 02 00244 35810100 A
 1116 02 00245 6D000027 A
 1117 02 00246 22300088 A
 1118 02 00247 3286113E
 1119 02 00248 35870000 A
 1120 02 00249 64300247
 1121 02 0024A 3280113E
 1122 02 0024B 35810000 A
 1123 02 0024C 32800000 X
 1124 02 0024D 20800080 A
 1125 02 0024E 35800000 X
 1126 02 0024F 20800007 A
 1127 02 00250 25800002 A
 1128 02 00251 35810086 A
 1129 02 00252 048011E7
 1130 02 00253
 1131 02 00253 32300000 X
 1132 02 00254 32B01490
 1133 02 00255 4BB40000 X
 1134 02 00256 68300258
 1135 02 00257 30300000 X
 1136 02 00258
 1137 02 00258 72B40000 X
 1138 02 00259 75B0000A A
 1139 02 0025A 52B40000 X
 1140 02 0025B 55D0000B A
 1141 02 0025C 201FFFEF A
 1142 02 0025D 7510000B A

G0FGSW

G0FG0

BLEZ FIND1
 STW,R3 SWTINIT
 STW,3 SAD
 MTB,7 SAD
 CAL,8 SAD
 AI,R3 X'100'
 WD,0 X'37'
 LW,R8 SP00L
 STW,R3 SP00L
 STW,R8 VP+X'100'
 WD,0 X'27'
 LI,R3 SWTSIZ
 LW,R8 BASESW,R3
 STW,R8 VP,R3
 BDR,R3 *-2
 LW,R8 BASESW
 STW,R8 VP
 LW,R8 SWTINIT
 AI,R8 SWTND
 STW,R8 SWTEND
 AI,R8 BUF-SWTND
 SLS,R8 2
 STW,R8 VP+BUFBA
 CAL,8 FVP
 EQU *
 LW,R3 Y8
 LW,R11 HASPBIT
 AND,R11 BW:SDA,R2
 BEZ *+2
 AW,R3 Y4
 EQU *
 LB,R11 BB:COPY,R2
 STB,R11 R10
 LH,R11 BH:SID,R2
 STH,R13 R11
 AI,R1 *00PRI
 STB,R1 R11

H01 15:40 SEP 08, '75

1143	02	0025E	20100011	A
1144	02	0025F	4730000B	A
1145	02	00260	52F40000	X
1146	02	00261	6830026B	
1147	02	00262	323000ED	03
1148	02	00263	53060000	X
1149	02	00264	49300266	
1150	02	00265	331000F2	03
1151	02	00266	55F60000	X
1*	02	00267	22F00000	A
2*	02	00268	55F40000	X
1152	02	00269	52F40000	X
1153	02	0026A	35F00337	03
1154	02	0026B		
1155	02	0026B	22E00025	A
1156	02	0026C	6A8001D9	
1157	02	0026D	52840000	X
1158	02	0026E	358E0003	A
1159	02	0026F	32840000	X
1160	02	00270	4B800000	X
1161	02	00271	6D000037	A
1162	02	00272	35840000	X
1163	02	00273		
1164	02	00273	35AE0001	A
1165	02	00274	6D000027	A
1166	02	00275	35BE0002	A
1167	02	00276	323000ED	03
1168	02	00277	72160000	X
1169	02	00278	2280002C	
1170	02	00279	19500000	X
1171	02	0027A	69900BC0	
1172	02	0027B	22204000	A
1173	02	0027C	51260000	X
1174	02	0027D	68400BC0	
1175	02	0027E	6D000037	A
1176	02	0027F	52260000	X
1177	02	00280	4B2014A1	

G0F2

G0F3

AI,R1	00PRI
STS,R3	R11
LH,R15	BHICOMID,R2
BZ	G0F2
LW,R3	SYMINDX
MTH,0	STH,CMDV,R3
BNEZ	*+2
MTW,1	STARTCOM
STH,R15	STHICMDV,R3
LI,R15	0
STH,R15	BHICOMID,R2
LH,R15	BHISID,R2
STW,R15	COMODM1
EDU	\$
LI,R14	FREQ
BAL,R8	CHNG
LH,R8	BHIGRAN,R2
STW,R8	3,R7
LW,R8	BWISDA,R2
AND,R8	YFF
WD,0	X'37'
STW,R8	BWISDA,R2
EDU	\$
STW,R10	1,R7
WD,0	X'27'
STW,R11	2,R7
LW,R3	SYMINDX
LB,R1	SSIG,R3
LI,R8	CTR4
CLM,R5	RBLIMS
BES,9	SYSG
LI,R2	ALGBT
CH,R2	STH:FLG,R3
BAZ	SYSG
WD,0	X'37'
LH,R2	STH:FLG,R3
AND,R2	NALGBT

GET COMID FOR THIS FILE
NOT COMODE OUTPUT

START OF NEW COMODE OUTPUT
NOPE

LET SYSG KNOW TO PRINT MESSAGE
STORE COMID FOR THIS DEVICE

CLEAR OUT COMID (DONE WITH THIS SL0)
PICK UP SYSID
& SAVE IT TEMPORARILY

H01 15:40 SEP 08, 175

1215 02 00296 6D000037 A
 1216 02 00296 52160000 X
 1217 02 00297 4B1014A4
 1218 02 00298 55160000 X
 1219 02 00299 6D000027 A
 1220 02 0029A F8000006 A
 1221 02 0029B 0029C
 1222 02 0029C 22100023 A
 1223 02 0029D 52220024 03
 1224 02 0029E 68300290
 1225 02 0029F 32A40000 X
 1226 02 002A0 4BA00000 X
 1227 02 002A1 30A00000 X
 1228 02 002A2 22B00012 A
 1229 02 002A3 25B00278 A
 1230 02 002A4 21200000 N
 1231 02 002A5 6920026B
 1232 02 002A6 22E00024 A
 1233 02 002A7 6800026C
 1234 02 002A8
 1235 02 002A8 21900080 A
 1236 02 002A9 69400719
 1237 02 002AA 52160000 X
 1238 02 002AB 551001C7 03
 1239 02 002AC 221001C2 03
 1240 02 002AD 6AC00E56
 1241 02 002AE 32700002 03
 1242 02 002AF 323000ED 03
 1243 02 002B0 713A0000 X
 1244 02 002B1 69300290
 1245 02 002B2 32B60000 X
 1246 02 002B3 69300290
 1247 02 002B4 226001F1
 1248 02 002B5 68000296
 1250
 1251

RSTP EQU *
 WD,0 X'37'
 LH,R1 STH:FLG,R3
 AND,R1 NSTALBT
 STH,R1 STH,FLG,R3
 WD,0 X'27'
 B *R6
 GDEL EQU *
 LI,R1 DELPRI
 LH,R2 BHI:HPRI,R1
 BEZ GOF6
 LW,R10 BWISDA,R2
 AND,R10 M24
 AW,R10 Y01
 LI,R11 DELPRI=00PRI
 SC,S,R11 =8
 CI,R2 INFIL
 BG GOF2
 LI,R14 FREI
 B GOF2*1
 GOFRFM EQU *
 CI,R9 XP2BIT
 BANZ XP2FM
 LH,R1 STH:NM,R3
 STH,R1 RFRMM1
 LI,R1 RFRMM
 BAL,R12 0NEMES
 LW,R7 SVCBF
 LW,R3 SYMINDX
 CB,R3 RBB:SMO,R3
 BNE GOF6
 LW,R11 STW:FORM,R3
 BNEZ GOF6
 LI,R6 GOF
 B RSTP

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1268      02 002B6
1269      02 002B6 20000001 A
1270      02 002B7 52220024 03
1271      02 002B8 480002BA
1272      02 002B9
1273      02 002B9 52240000 X
1274      02 002BA F9300000 A
1275      02 002BB 201FFFFFF A
1276      02 002BC 681002B7
1277      02 002BD 200FFFFFF A
1278      02 002BE F8000000 A
1279
1280      02 002BF
1281      02 002BF 22100025 A
1282      02 002C0 52320024 03
1283      02 002C1 22100004 A
1284      02 002C2 F2120007 A
1285      02 002C3 693002C5
1286      02 002C4 22100001 A
1287      02 002C5 75160000 X
1288      02 002C6 22A00000 A
    
```

```

*
*F*      NAME:      FIND (FIND1)
*F*
*F*      PURPOSE:  RUN BATCH QUEUE PRIORITY CHAINS
*F*
*F*      DESCRIPTION:
*F*      WHEN A ROUTINE WISHES TO LOOK AT ONE OR MORE BATCH QU
*F*      PRIORITY CHAINS, IT CALLS FIND SPECIFYING THE STARTIN
*F*      PRIORITY. FIND LINKS THROUGH THE CHAINS UNTIL IT FIN
*F*      A FILE OF THAT OR LOWER PRIORITY AND RETURNS TO BAL+2
*F*      IF THE CALLER WISHES TO CONTINUE, HE CALLS FIND1 TO G
*F*      THE NEXT ENTRY, AND SO FORTH. WHEN THERE ARE NO MORE
*F*      ENTRIES, FIND OR FIND1 EXITS TO BAL+1.
*
*
*FIND      EQU      $
*FIND      AI,R0      1      GET THE ENTRY BY PRIORITY
*FIND      LH,R2      BH,HPRI,R1  START WITH PRI0 IN R1
*FIND      B          $+2     ENTER A FIND TO GET FIRST ENTRY
*FIND1     EQU      $      THEN RETURN TO FIND1 FOR NEXT.
*FIND1     LH,R2      BH,LINK,R2 RETURNS TO BAL+2 IF ENTRY FOUND,
*FIND1     BNEZ      *R0      BAL+1 IF OUT OF ENTRIES
*FIND1     AI,R1      *1      :
*FIND1     BGEZ      FIND+1    BAL,0 FIND
*FIND1     AI,R0      *1      B      DONE
*FIND1     B          *R0      IS THIS THE ONE
*FIND1     B          *R0      BNE  FIND1
*****
*ADPSET    EQU      $
*ADPSET    LI,R1      FRE0
*ADPSET    LH,R3      BH,HPRI,R1
*ADPSET    LI,R1      4
*ADPSET    LB,R1      *R7,R1
*ADPSET    BNEZ      $+2
*ADPSET    LI,R1      1
*ADPSET    STB,R1     BBICOPY,R3
*ADPSET    LI,R10     0
    
```

M01 15:40 SEP 08, '75

1289	02	002C7	35A0005E	03
1290	02	002C8	6D000037	A
1291	02	002C9	32AE0001	A
1292	02	002CA	4BA00000	X
1293	02	002CB	35A60000	X
1294	02	002CC	6D000027	A
1295	02	002CD	321E0003	A
1296	02	002CE	693002D0	
1297	02	002CF	22100001	A
1298	02	002D0	55160000	X
1299	02	002D1	22100008	A
1300	02	002D2	F2E20007	A
1301	02	002D3	21E00080	A
1302	02	002D4	684002DA	
1303	02	002D5	32100000	X
1304	02	002D6	21E00040	A
1305	02	002D7	684002D9	
1306	02	002D8	30101490	
1307	02	002D9	47160000	X
1308		02 002DA		
1309	02	002DA	4BE00000	X
1310	02	002DB	693002DD	
1311	02	002DC	22E00001	A
1312	02	002DD	32100000	X
1313	02	002DE	683002EA	
1314	02	002DF	21E0000F	A
1315	02	002E0	681002EA	
1316	02	002E1	72160000	X
1317	02	002E2	32DE0003	A
1318	02	002E3	37D00001	A
1319	02	002E4	2210000E	A
1320	02	002E5	31D21233	
1321	02	002E6	682002E9	
1322	02	002E7	641002E5	
1323	02	002E8	22100001	A
1324	02	002E9	32E00001	A
1325		02 002FA		

A0FSWS

A0FNPG

STW,R10	K0MP
WD,0	X1371
LW,R10	1,R7
AND,R10	M24
STW,R10	BWISDA,R3
WD,0	X1271
LW,R1	3,R7
BNEZ	*+2
LI,R1	1
STH,R1	BHIGRAN,R3
LI,R1	8
LB,R14	*R7,R1
CI,R14	X1801
BAZ	A0FSWS
LW,R1	SWITBIT
CI,R14	X1401
BAZ	*+2
AW,R1	HASPBIT
STS,R1	BWISDA,R3
EQU	*
AND,R14	M5
BNEZ	*+2
LI,R14	1
LW,R1	S1SBGC
BEZ	A0FNPG
CI,R14	X1F1
BGE	A0FNPG
LB,R1	BBICOPY,R3
LW,R13	3,R7
MW,R13	R1
LI,R1	X1E1
CW,R13	GRNLMS,R1
BLE	*+3
BDR,R1	*-2
LI,R1	1
LW,R14	R1
EQU	*

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1326	02	002EA	20E00011	A
1327	02	002EB	22100009	A
1328	02	002EC	F2D20007	A
1329	02	002ED	75D60000	X
1330	02	002EE	22100005	A
1331	02	002EF	D2C20007	A
1332	02	002FO	4BC00000	X
1333	02	002F1	51C00073	03
1334	02	002F2	482002F4	
1335	02	002F3	55C00073	03
1336	02	002F4	55C60000	X
1337	02	002F5	75560000	X
1338	02	002F6	326000ED	03
1339	02	002F7	693002F9	
1340	02	002F8	20601221	N
1341	02	002F9	20600000	N
1342	02	002FA	325C0001	A
1343	02	002FB	35560000	X
1344	02	002FC	22500000	N
1345	02	002FD	48300304	
1346	02	002FE	325C0002	A
1347	02	002FF	35560000	X
1348	02	00300	22507F00	A
1349	02	00301	485C0000	A
1350	02	00302	25500078	A
1351	02	00303	75560000	X
1352		02 00304		
1353	02	00304	325C0000	A
1354	02	00305	21508000	A
1355	02	00306	6840030E	
1356	02	00307	22100004	A
1357	02	00308	F2120007	A
1358	02	00309	75100005	A
1359	02	0030A	52500005	A
1360	02	0030B	22100001	A
1361	02	0030C	75160000	X
1362	02	0030D	6800030F	

ABFS2

AI,R14	00PRI
LI,R1	9
LB,R13	*R7,R1
STB,R13	BBIRID,R3
LI,R1	5
LH,R12	*R7,R1
AND,R12	M16
CH,R12	RSID
BLE	*+2
STH,R12	RSID
STH,R12	BHISID,R3
STB,R5	BBIDEV,R3
LW,R6	SYMINDX
BNEZ	*+2
AI,R6	3ZERO,SGCBUF
AI,R6	SGCBUF
LW,R5	1,R6
STW,R5	BW;FORM,R3
LI,R5	BW;FOVL
BEZ	ABFS2
LW,R5	2,R6
STW,R5	BW;FOVL,R3
LI,R5	X'7F00'
AND,R5	0,R6
SLS,R5	=8
STB,R5	BB;JDF,R3
EQU	*
LW,R5	0,R6
CI,R5	X'8000'
BAZ	ABFS3
LI,R1	4
LB,R1	*R7,R1
STB,R1	R5
LH,R5	R5
LI,R1	1
STB,R1	BBICOPY,R3
B	*+2

SCRUB JUNK OFF OF JDE

```

GET LNK,COMID(2),JDE,n 8,8,8,8
CHECK COMODE FLAG (BIT 0 OF JDE)
NOT COMODE
COPY FIELD IN COMBUF #1 IS...
...REALLY COMID(1).
PUT IT IN ITS PLACE
& GET THE WHOLE COMID READY...
... BUT FIRST SET COPIES TO 1
OR ELSE

```

```

1363      02 0030E      22500000 A
1364      02 0030E      22500000 A
1365      02 0030F      22100000 A
1366      02 00310      351E0001 A
1367      02 00311      55560000 X
1368      02 00312      22500000 N
1369      02 00313      F8000000 A
1370      02 00314
1371      02 00314      22200000 A
1372      02 00315      462000ED 03
1373      02 00316      6BFE0002 A
1374      02 00317      6820031A
1375      02 00318      6980031A
1376      02 00319      6AA0014E
1377      02 0031A      72640000 X
1378      02 0031B      19600000 X
1379      02 0031C      6990031F
1380      02 0031D      720C0000 X
1381      02 0031E      4B500000 A
1382      02 0031F
1383      02 0031F      6A0002BF
1384      02 00320      32640000 X
1385      02 00321      35660000 X
1386      02 00322      22600000 N
1387      02 00323      68300328
1388      02 00324      32640000 X
1389      02 00325      35660000 X
1390      02 00326      72640000 X
1391      02 00327      75660000 X
1392      02 00328
1393      02 00328      21E00023 A
1394      02 00329      68300372
1395      02 0032A      720000D3 03
1396      02 0032B      6830032D
1397      02 0032C      22E00020 A
1398      02 0032D      20C00000 A
1399      02 0032E      69300331
    
```

```

ABFS3 EQU *
      LI,R5 0
      LI,R1 0
      STW,R1 1,R7
      STH,R5 BH;COMID,R3
      LI,R5 LCLX
      B *R0
ABFP EQU *
      LI,R2 0
      XW,R2 SYMINDX
      INT,R15 2,R7
      BCR,2 $+3
      BCS,8 $+2
      BAL,R10 PRTBAN
      LB,R6 SNDDX,R2
      CLM,R6 RBLIMS
      BCS,9 ABFP1
      LB,R0 RBBIDSM,R6
      AND,R5 R0
ABFP1 EQU *
      BAL,R0 ABFSET
      LW,R6 STWIFORM,R2
      STW,R6 BWIFORM,R3
      LI,R6 BWIF0VL
      BEZ ABFP2
      LW,R6 STWIF0V,R2
      STW,R6 BWIF0VL,R3
      LB,R6 STB;JDE,R2
      STB,R6 BB;JDE,R3
ABFP2 EQU *
      CI,R14 DELPRI
      BE ABFADD
      LB,R0 RCVRFLG
      BEZ $+2
      LI,R14 F0PRI
      AI,R12 0
      BNEZ ABFP3
    
```

ZERO COMID = NOT COMODE

...TUCK AWAY THIS FILE'S COMID

H01 15140 SEP 08, '75

1400	02	0032F	2E00023	A	
1401	02	00330	68000372		
1402		02	00331		
1403	02	00331	52640000	X	
1404	02	00332	68300342		
1405	02	00333	55660000	X	
1406	02	00334	48601227		
1407	02	00335	55640000	X	
1408	02	00336	331000F3	03	
1409	02	00337	68000342		
1410		02	00338		
1411	02	00338	6A0002BF		
1412	02	00339	22A00000	A	
1413	02	0033A	22100010	A	
1414	02	0033B	68000344		
1415		02	0033C		
1416	02	0033C	6A0002BF		
1417	02	0033D	22A00000	A	
1418	02	0033E	22100010	A	
1419	02	0033F	22B00367		
1420	02	00340	68000347		
1421		02	00341		
1422	02	00341	6A0002BF		
1423	02	00342	22100020	A	
1424	02	00343	22A00800	A	
1425	02	00344	22B00372		
1426	02	00345	21E00023	A	
1427	02	00346	68300372		
1428	02	00347	32F00000	X	
	1*	02	00348	52860000	X
	2*	02	00349	48801227	
1429	02	0034A	6A0002B6		
1430	02	0034B	68000372		
1437	02	0034C	21100010	A	
1438	02	0034D	69100372		
1439	02	0034E	51C40000	X	
1440	02	0034F	693002B9		

ABFP3

ABF

ABFL

ABFNB

ABF1

ABF2

ABF3

LI,R14	DELPRI
B	ABFADD
EQU	\$
LW,R6	STHICMDV,R2
BEZ	ABF1
STH,R6	BHICMID,R3
AND,R6	X7FFF
STH,R6	STHICMDV,R2
MTW,1	CHAINHD
B	ABF1
EQU	\$
BAL,RO	ABFSET
LI,R10	0
LI,R1	RUNPRI
B	ABF2
EQU	\$
BAL,RO	ABFSET
LI,R10	0
LI,R1	RUNPRI
LI,R11	ABFRR
B	ABF3
EQU	\$
BAL,RO	ABFSET
LI,R1	FOPRI
LI,R10	HALBIT
LI,R11	ABFADD
CI,R14	DELPRI
BE	ABFADD
LW,R15	H03DLBT
LW,R8	BHICMID,R3
AND,R8	X7FFF
BAL,RO	FIND
B	ABFADD
CI,R1	RUNPRI
BL	ABFADD
CH,R12	BHISID,R2
BNE	FIND1

WAS DEV. DOING COMODE OUTPUT
 NOPE! NO HASSLE
 TAG FILE WITH COMID OF DEVICE
 IN CASE LAST CHUNK FLAG WAS SET
 RE-ASSIGN DEVICE THIS COMID
 FLAG TO CHAIN TO HEAD OF QUEUE

PICK UP COMID OF FILE WE'RE ADDING
 KNOCK OFF 'LAST CHUNK' FLAG

MO1 15:40 SEP 08, 175

1* 02 00350 21100010 A
 2* 02 00351 68200357
 3* 02 00352 53040000 X
 4* 02 00353 68300357
 5* 02 00354 51840000 X
 6* 02 00355 69300357
 7* 02 00356 32E00001 A
 8* 02 00357
 9* 02 00357 21100010 A
 10* 02 00358 6930035E
 11* 02 00359 32E00002 A
 12* 02 0035A 25E00002 A
 13* 02 0035B 20E00000 N
 14* 02 0035C F2E0000E A
 15* 02 0035D 20E00011 A
 16* 02 0035E
 1441 02 0035E 71D40000 X
 1442 02 0035F F930000B A
 1443 02 00360 F840000B A
 1454 02 00361 4AF40000 X
 1455 02 00362 47F60000 X
 1456 02 00363 31F00000 X
 1457 02 00364 F840000B A
 1458 02 00365 22E00023 A
 1459 02 00366 F800000B A
 1460 02 00367
 1461 02 00367 35E0000D1 03
 1462 02 00368 22E00024 A
 1463 02 00369 32F00000 X
 1464 02 0036A 31F40000 X
 1465 02 0036B 6840036F
 1466 02 0036C 728000D3 03
 1467 02 0036D 69300371
 1468 02 0036E 22E00023 A
 1469 02 0036F
 1470 02 0036F 6A8001D9
 1471 02 00370 6A8009D1

ABF4

ABF5

ABFRR

ABFRR1

CI,R1 RUNPRI
 BLE ABF4
 MTH,0 BHICOMID,R2
 BFZ ABF4
 CH,R8 BHICOMID,R2
 BNE ABF4
 LW,R14 R1
 EQU \$
 CI,R1 RUNPRI
 BNE ABF5
 LW,R14 R2
 SLS,R14 2
 AI,R14 B4WIRES
 LB,R14 *R14
 AI,R14 OOPRI
 EQU \$
 CB,R13 BBIRID,R2
 BNE *R11
 BAZ *R11
 LS,R15 BWISDA,R2
 STS,R15 BWISDA,R3
 CW,R15 DELBIT
 BAZ *R11
 LI,R14 DELPRI
 B *R11
 EQU \$
 STW,R14 PRI0
 LI,R14 FREI
 LW,R15 RRBIT
 CW,R15 BWISDA,R2
 BAZ ABFRR1
 LB,R8 RCVRFLG
 BNEZ ABFRR2
 LI,R14 DELPRI
 EQU \$
 BAL,R8 CHNG
 BAL,R8 ABR5#

IS THIS AN OUTPUT FILE
 NO
 IS IT COMODE OUTPUT
 NOPE
 IS IT THE SAME COMODE STREAM
 NOPE
 YEP: GOTTA KEEP OUTPUT PRI0S SAME
 IS HE RUNNING...
 NO
 GET TRUE RUN PRI0 FOR OUTPUT PRI0
 MAKE OUTFILE PRI0 OUT OF IT

H01 15140 SEP 08, 175

1472		02	00371		
1473	02	00371	32E000D1	03	
1474		02	00372		
1475	02	00372	6A8001EB		
1476	02	00373	21100023	A	
1477	02	00374	68300020		
1478	02	00375	32F00000	X	
1479	02	00376	31F40000	X	
1480	02	00377	69400020		
1481	02	00378	22800020		
1482		02	00379		
1483	02	00379	20D00000	A	
1484	02	0037A	68300B93		
1485	02	0037B	6AB00381		
1486	02	0037C	6800037F		
1487	02	0037D	31A60000	X	
1488	02	0037E	68400BDC		
1489	02	0037F	32400008	A	
1490	02	00380	680004D6		
1491		02	00381		
1492	02	00381	32300001	N	
1493	02	00382	68000384		
1494		02	00383		
1495	02	00383	203FFFFFF	A	
1496	02	00384	31300000	X	
1497	02	00385	F910000B	A	
1498	02	00386	71D60000	X	
1499	02	00387	69300383		
1500	02	00388	6800060F		
1501					
1502					
1503					
1504					
1505					
1506					
1507					
1508					

ABFRR2	EQU	*
	LW,R14	PRI0
ABFADD	EQU	*
	BAL,R8	ADDFRE
	CI,R1	DELPRI
	BE	CTR1
	LW,R15	HOLDBIT
	CW,R15	BWISDA,R2
	BANZ	CTR1
	LI,R8	CTR1
RBCHK	EQU	*
	AI,R13	0
	BEZ	STRTSYM
	BAL,R11	RBEND
	B	*+3
	CW,R10	RBIFLAG,R3
	BAZ	PNDBIT
	LW,R4	R8
	B	HLD
RBEND	EQU	*
	LW,R3	RBLIMS+1
	B	*+2
RBEND1	EQU	*
	AI,R3	=1
	CW,R3	RBLIMS
	BL	*R11
	CB,R13	RBB:ID,R3
	BNE	RBEND1
	B	INC11R

*
*
F
F
F
F
F

NAME: ADDIT
PURPOSE: ADD A LOOSE BATCH QUEUE SLOT (USUALLY FREED BY CHNG)
A PRIORITY CHAIN

H01 15140 SEP 08, 1975

1546	02	00399	6840039C	
1547	02	0039A	331000C6	03
1548	02	0039B	680003A7	
1549	02	0039C	223FFFDC	N
1550	02	0039D	30300001	A
1551	02	0039E	83100003	A
1552	02	0039F	21300000	N
1553	02	003A0	693003A7	
1554	02	003A1	72300000	X
1555	02	003A2	31300000	X
1556	02	003A3	692003A7	
1557	02	003A4	09B0008C	03
1558	02	003A5	6A300C56	
1559	02	003A6	08B0008C	03
1560		02	003A7	
1561	02	003A7	330000F3	03
1562	02	003A8	693003B2	
1563	02	003A9	52320037	03
1564	02	003AA	683003B0	
1565	02	003AB	55260000	X
1566		02	003AC	
1567	02	003AC	55220037	03
1568	02	003AD	22300000	A
1569	02	003AE	55340000	X
1570	02	003AF	F8000008	A
1571		02	003B0	
1572	02	003B0	55220024	03
1573	02	003B1	680003AC	
1574		02	003B2	
1575	02	003B2	52320024	03
1576	02	003B3	683003B8	
1577	02	003B4	55340000	X
1578		02	003B5	
1579	02	003B5	55220024	03
1580	02	003B6	33F000F3	03
1581	02	003B7	F8000008	A
1582		02	003B8	

	BAZ	*+3
	MTW,1	MFFS
	B	ADDIT3
	LI,R3	BLIIFS,FREI
	AW,R3	R1
	MTW,1	*R3
	CI,R3	BLIIFS
	BNE	ADDIT3
	LB,R3	SNDDX
	CW,R3	BLIIFS
	BG	ADDIT3
	PSW,R11	TMPSTK
	BAL,R3	SYMF
	PLW,R11	TMPSTK
ADDIT3	EQU	*
	MTW,0	CHAINHD
	BNEZ	ADDIT3H
	LH,R3	BH;TPRI,R1
	BEZ	ADDIT1
	STH,R2	BHILINK,R3
ADDIT2	EQU	*
	STH,R2	BH;TPRI,R1
	LI,R3	0
	STH,R3	BH;LINK,R2
	B	*R8
ADDIT1	EQU	*
	STH,R2	BH;HPRI,R1
	B	ADDIT2
ADDIT3H	EQU	*
	LH,R3	BH;HPRI,R1
	BEZ	ADDIT1H
	STH,R3	BHILINK,R2
ADDIT2H	EQU	*
	STH,R2	BH;HPRI,R1
	MTW,-1	CHAINHD
	B	*R8
ADDIT1H	EQU	*

! IF THE ENTRY IS BEING FREED, INCREM THE APPROPRIATE COUNTER. IF THE CO IS BLIIFS AND IT WAS ZERO REPORT SYMFILE AVAILABLE. THERE ARE A FEW

ADD TO HEAD OF QUEUE IF THIS IS...
...A PARTIAL COMODE FILE

H01 15:40 SEP 08, 175

1583	02	003B8	55220037	03
1584	02	003B9	22300000	A
1585	02	003BA	55340000	X
1586	02	003BB	680003B5	
1587				
1588		02 003BC		
1589	02	003BC	3590005A	03
1590	02	003BD	224003D4	
1591	02	003BE	15E0024E	03
1592		02 003BF		
1593	02	003BF	727A0000	X
1594	02	003C0	68380001	A
1595	02	003C1	327A0000	X
1596	02	003C2	693003D1	
1597	02	003C3	122A0000	X
1598	02	003C4	152001E2	03
1599	02	003C5	122A0000	X
1600	02	003C6	152001DC	03
1601	02	003C7	72FA0000	X
1602	02	003C8	6AB008DF	
1603	02	003C9	35D001E0	03
1604	02	003CA	721A0000	X
1605	02	003CB	22B00002	A
1606	02	003CC	51B20000	X
1607	02	003CD	69480000	A
1608	02	003CE	221001DA	03
1609	02	003CF	6AB00759	
1610	02	003D0	F8000004	A
1611		02 003D1		
1612	02	003D1	25700002	A
1613	02	003D2	307A0000	X
1614	02	003D3	68080001	A
1615	02	003D4	12E0024E	03
1616		02 003D5		
1617	02	003D5	6A3000B6	
1618	02	003D6	4BF00000	X
1619	02	003D7	22300016	A

	STH,R2	BH,TPRI,R1
	LI,R3	0
	STH,R3	BHILINK,R2
	B	ADDIT2H

RB,CCS	EQU	\$
	STW,R9	FLAGS
	LI,R4	RB,CC1=1
	STD,R14	FLD
SETHDR	EQU	\$
	LB,R7	RBB,ISMD,R5
	BEZ	1,R4
	LW,R7	RB,IMFAD,R5
	BNEZ	SET7
	LD,R2	RBD,WSN,R5
	STD,R2	HDR3
	LD,R2	DCT16,R5
	STD,R2	HDR1
	LB,R15	RBB,1D,R5
	BAL,R11	DEC
	STW,R13	HDR2
	LB,R1	RBB,ISMD,R5
	LI,R11	OCBIT
	CH,R11	STH,FLG,R1
	BANZ	0,R4
	LI,R1	HDR
	BAL,R11	MOVEMES
	B	*R4
SET7	EQU	\$
	SLS,R7	2
	AW,R7	RB,ISPMF,R5
	B	1,R4
	LD,R14	FLD
RB,CC1	EQU	\$
	BAL,R3	CKJB
RB,CC2	AND,R15	YFFFF
	LI,R3	*RBCCS

PROCESS INPUT FILES FROM RBYS

IF A MESSAGE FILE IS ALREADY IN

PROGRESS FOR THIS GUY SET UP R7
AND RETURN TO BAL+2. OTHERWISE
PUT IN THE MFILE HEADER (THUS START
AN MFILE) AND RETURN TO BAL+1.

RBCCS BEING INPUT FROM RBYS
ARE EITHER SEPERATE INPUT FILES

INPUT FILES, THIS CODE PICKS THEM

H01 15140 SEP 08, 1975

1620	02	003D8	11E613C0	
1621	02	003D9	693003E6	
1622	02	003DA	3210004F	03
1623	02	003DB	693003DD	
1624	02	003DC	6AB0079C	
1625	02	003DD	75300051	03
1626	02	003DE	221000A0	A
1627	02	003DF	6A400852	
1628	02	003E0	21300011	A
1629	02	003E1	691003E4	
1630	02	003E2	22900020	A
1631	02	003E3	4790005A	03
1632	02	003E4	721613FC	
1633	02	003E5	68020464	
1634	02	003E6	643003D8	
1635	02	003E7	32B000CB	03
1636	02	003E8	683003FF	
1637	02	003E9	32B0005A	03
1638	02	003EA	31B01493	
1639	02	003EB	684003FF	
1640	02	003EC	21B00080	A
1641	02	003ED	694003F9	
1642	02	003EE	32600050	03
1643	02	003EF	3060004E	03
1644	02	003F0		
1645	02	003F0	721C0000	A
1646	02	003F1	21100008	A
1647	02	003F2	683003F7	
1648	02	003F3	20600001	A
1649	02	003F4	22100080	A
1650	02	003F5	224003F0	
1651	02	003F6	68000852	
1652	02	003F7		
1653	02	003F7	38600050	03
1654	02	003F8	3560004E	03
1655	02	003F9		
1656	02	003F9	228009C0	

RBCC1	CD,R14	RBCC,R3
	BNE	RBCC2
	LW,R1	ARSO
	BNEZ	*+2
	BAL,R11	MOVECC
	STB,R3	COM
	LI,R1	BOMSK
	BAL,R4	TRT
	CI,R3	FIACOM
	BL	*+3
	LI,R9	FIABIT
	STS,R9	FLAGS
	LB,R1	RBCCVEC,R3
	B	RBCCBSE,R1
RBCC2	BDR,R3	RBCC1
	LW,R11	0CCC
	BEZ	RBNJCK
	LW,R11	FLAGS
	CW,R11	SLVXP2BT
	BAZ	RBNJCK
	CI,R11	XP2BIT
	BANZ	RBGA3
	LW,R6	BCP
	AW,R6	ARSE
RBGA1	EQU	*
	LB,R1	Q,R6
	CI,R1	EBC
	BE	RBGA2
	AI,R6	1
	LI,R1	EBCMSK
	LI,R4	RBGA1
	B	TRT
RBGA2	EQU	*
	SW,R6	BCP
	STW,R6	ARSE
RBGA3	EQU	*
	LI,R8	AIFOUT

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UP AND PROCESSES THEM UNTIL IT
ENCOUNTERS A JOB AT WHICH TIME IT
EXITS TO D0JOB. IF A COMMAND IS
FOUND WHICH DOESNOT BEGIN RB AND I
NOT JOB THE FILE IS DELETED AND
THE OPERATOR IS TOLD. SOME RB
BITS AND WHEN ONE OF THESE IS
ENCOUNTERED FIABIT IS SET CAUSING TI
BITS TO BE REDETERMINED. ALL RBCCS
ARE LISTED IN THE MESSAGE FILE.

H01 15:40 SEP 08, 175

1657 02 003FA 3210004E 03
 1658 02 003FB 22B005AC
 1659 02 003FC 32E00050 03
 1660 02 003FD 30600050 03
 1661 02 003FE 680005A6
 1662 02 003FF RBNJCK
 1663 02 00400 31E01213
 1664 02 00400 68300407
 1665 02 00401 25E00078 A
 1666 02 00402 31E011F7
 1667 02 00403 69300444
 1668 02 00404 6AB0079C BADCRD
 1669 02 00405 22101381
 1670 02 00406 6AB00759
 1671 02 00407 NXTRBCC
 1672 02 00407 324000CB 03
 1673 02 00408 693006B2
 1674 02 00409 224003D5
 1675 02 0040A NXTCC
 1676 02 0040A 3260004D 03
 1677 02 0040B 30600050 03
 1678 02 0040C 20600002 A
 1679 02 0040D 721C0000 A
 1680 02 0040E 206FFFFE A
 1681 02 0040F 21100040 A
 1682 02 00410 69300418
 1683 02 00411 NXTCX
 1684 02 00411 32F0005B 03
 1685 02 00412 69300416
 1686 02 00413 21400960
 1687 02 00414 6830098B
 1688 02 00415 68000446
 1689 02 00416 RESET
 1690 02 00416 6AA00BF4
 1691 02 00417 25600002 A
 1692 02 00418 NXTON
 1693 02 00418 22F00421

LW,R1 ARSE
 LI,R11 MSG1
 LW,R14 BCP
 AW,R6 BCP
 B MSG01
 EQU *
 CW,14 TEOD
 BE NXTRBCC
 SLS,R14 *8
 CW,R14 BANGRB
 BNE RB#NJ
 BAL,R11 MOVECC
 LI,R1 UNKN
 BAL,R11 MOVEMES
 EQU *
 LW,R4 CCCC
 BNEZ F0H1
 LI,R4 RB#CC1
 EQU *
 LW,R6 ARS
 AW,R6 BCP
 AI,R6 2
 LB,R1 0,R6
 AI,R6 *2
 CI,R1 X1401
 BNE NXTON
 EQU *
 LW,R15 FLINK
 BNEZ RESET
 CI,R4 RSL1
 BE PJDN
 B LSTSECT
 EQU *
 BAL,R10 RDDSK
 SLS,R6 2
 EQU *
 LI,R15 NXTN2

.....
 PICK UP THE NEXT COMMAND FROM THE
 DISC BLOCK. IF DONE WITH THIS BLOCK
 READ ANOTHER. ARS IS THE RECORD BY

ASSUMED TO BE RB#CCS ONLY AND IS RELI
 IF IT IS HIT AFTER JOB PROCESSING

CONTINUES.

H01 15140 SEP 08, 175

```

1694      02 00419      22100000 A
1695      02 00419      22100000 A
1696      02 0041A      351000D9 03
1697      02 0041B      3510004C 03
1698      02 0041C      35100053 03
1699      02 0041D      351000C7 03
1700      02 0041E      351000CB 03
1701      02 0041F      351000EE 03
1702      02 00420      F800000F A
1703      02 00421
1704      02 00421      20600001 A
1705      02 00422      721C0000 A
1706      02 00423      3510004D 03
1707      02 00424      20600001 A
1708      02 00425      723C0000 A
1709      02 00426      21300040 A
1710      02 00427      68300411
1711      02 00428      20600001 A
1712      02 00429      723C0000 A
1713      02 0042A      30600003 A
1714      02 0042B      30100006 A
1715      02 0042C      22F00008 A
1716      02 0042D      75F20000 A
1717      02 0042E      0970008C 03
1718      02 0042F      327011F6
1719      02 00430      61600000 A
1720      02 00431      0870008C 03
1721      02 00432      206FFFF8 A
1722      02 00433
1723      02 00433      35600050 03
1724      02 00434      0940008C 03
1725      02 00435      09F0008C 03
1726      02 00436      6AB005A3
1727      02 00437      08F0008C 03
1728      02 00438      0840008C 03
1729      02 00439      35C0004E 03
1730      02 0043A      726A0000 X
    
```

NXTN1

```

EQU      *
LI,R1    0
STW,R1   STATX
STW,R1   ALLX
STW,R1   CCMVD
STW,R1   MRKD
STW,R1   @CCC
STW,R1   CCTMP
B         *R15
    
```

NXTN2

```

EQU      *
AI,R6    1
LB,R1    0,R6
STW,R1   ARS
AI,R6    1
LB,R3    0,R6
CI,R3    X140'
BF       NXTCX
AI,R6    1
LB,R3    0,R6
AW,R6    R3
AW,R1    R6
LI,R15   EOC
STB,R15  0,R1
PSW,R7   TMPSTK
LW,R7    CRDPTR
MBS,R6   0
PLW,R7   TMPSTK
AI,R6    =8
    
```

IS IT ALWAYS LESS *****

GEOCR

```

EQU      *
STW,R6   BCP
PSW,R4   TMPSTK
PSW,R15  TMPSTK
BAL,R11  GE0C
PLW,R15  TMPSTK
PLW,R4   TMPSTK
STW,R12  ARSE
LB,R6    RBBISMD,R5
    
```

IS IT ALWAYS MORE *****

H01 15:40 SEP 08, 175

1731	02	0043B	6830043F	
1732	02	0043C	22C00002	A
1733	02	0043D	51CC0000	X
1734	02	0043E	69400440	
1735	02	0043F		
1736	02	0043F	221FFFFFF	A
1737	02	00440	20100001	A
1738	02	00441	3510004F	03
1739	02	00442	32600050	03
1740	02	00443	F8000004	A
1741	02	00444		
1742	02	00444	22101397	
1743	02	00445	6AB00759	
1744	02	00446	224009BE	
1745	02	00447	680006B4	
1746				
1747	02	00448		
1748	02	00448	3590005A	03
1749	02	00449	6AB00C14	
1750	02	0044A	32EE0002	A
1751	02	0044B	32F011F0	
1752	02	0044C	25E00002	A
1753	02	0044D	61E00000	A
1754	02	0044E	32EE0002	A
1755	02	0044F	6AB00000	X
1756	02	00450	35B000DC	03
1757	02	00451	72E002AC	03
1758	02	00452	68300731	
1759	02	00453		
1760	02	00453	6AF00419	
1761	02	00454	6A4003BF	
1762	02	00455	02000000	A
1763	02	00456	12E002AC	03
1764	02	00457	32A002AC	03
1765	02	00458	25A00078	A
1766	02	00459	31A011F7	
1767	02	0045A	6830045D	

	BEZ	GEBCX
	LI,R12	0CBIT
	CH,R12	STH:FLG,R6
	BANZ	*+2
GEBCX	EQU	*
	LI,R1	*1
	AI,R1	1
	STW,R1	ARSO
	LW,R6	BCP
	B	*R4
RB*NU	EQU	*
	LI,R1	NJMES
	BAL,R11	MOVEMES
LSTSECT	LI,R4	DELJOB
	B	RBCOUT

RB*BCM	EQU	*
	STW,R9	FLAGS
	BAL,R8	SVIv1
	LW,R14	2,R7
	LW,R15	IDPTR
	SLS,R14	2
	MBS,R14	0
	LW,R14	2,R7
	BAL,R11	RMB
	STW,R11	SVZ
	LB,R14	ID
	BEZ	XP2COM
BCM1	EQU	*
	BAL,R15	NXTN1
	BAL,R4	SETHDR
	N&P	
	LD,R14	ID
	LW,R10	ID
	SLS,R10	*8
	CW,R10	BANGRB
	BE	*+3

H01 15:40 SEP 08, 1975

1768 02 0045B 25E00168 A
 1769 02 0045C 49E011F8
 1770 02 0045D 224009C0
 1771 02 0045E 354000CB 03
 1772 02 0045F 22600AB0 03
 1773 02 00460 6A400433
 1774 02 00461 3210004E 03
 1775 02 00462 3510004D 03
 1776 02 00463 680003D6
 1777
 1778 02 00464
 1779 02 00464
 1780 02 00464 31901495
 1781 02 00465 68400404
 1782 02 00466 72D61232
 1783 02 00467 6AB00877
 1784 02 00468 68000407
 1785 02 00469
 1786 02 00469 70260000 X
 1787 02 0046A 68480000 A
 1788 02 0046B
 1789 02 0046B 75D60000 X
 1790 02 0046C 31901490
 1791 02 0046D 68480001 A
 1792 02 0046E 72A60000 X
 1793 02 0046F 69380001 A
 1794 02 00470 09B0008C 03
 1795 02 00471 6AB00000 X
 1796 02 00472 08B0008C 03
 1797 02 00473 68080001 A
 1798
 1799 02 00474
 1800 02 00474 6AB00876
 1801 02 00475 68000407
 1802 02 00476
 1803 02 00476 6D000037 A
 1804 02 00477 52A60000 X

SLD,R14 *24
 BR,R14 YBANGRB
 LI,R4 AIFBUT
 STW,R4 0CCC
 LI,R6 BA(ID)
 BAL,R4 GEBCR
 LW,R1 ARSE
 STW,R1 ARS
 B RB@CC2

 RBCCBSE EQU \$ BASE OF RBCC VECTORS
 RBSSS EQU \$
 CW,R9 HASSSSBT
 BAZ BADCRD
 LB,R13 SSIGS,R3
 BAL,R11 PRODCD
 B NXTRBCC
 SSS EQU \$
 LC SSIG,R3
 BCR,4 0,R4
 SSS1 EQU \$
 STB,R13 SSIG,R3
 CW,R9 HASPBIT
 BAZ 1,R4
 LB,R10 SSTAT,R3
 BNEZ 1,R4
 PSW,R11 TMPSTK
 BAL,R11 SAQNSERT
 PLW,R11 TMPSTK
 B 1,R4 I

 RBLOCK EQU \$
 BAL,R11 PRODCDA I
 B NXTRBCC I
 LOCK EQU \$
 WD,0 X137!
 LH,R10 STH,FLG,R3

H01 15140 SEP 08, 175

1805	02	00478	49A0149E	
1806	02	00479	55A60000	X
1807	02	0047A	6D000027	A
1808	02	0047B	68080001	A
1809				
1810		02 0047C		
1811	02	0047C	6AB00876	
1812	02	0047D	68000407	
1813		02 0047E		
1814	02	0047E	6D000037	A
1815	02	0047F	52A60000	X
1816	02	00480	49A014A2	
1817	02	00481	4BA014A0	
1818	02	00482	68000479	
1819				
1820		02 00483		
1821	02	00483	31901491	
1822	02	00484	69400404	
1823	02	00485	6AB00876	
1824	02	00486	68000407	
1825		02 00487		
1826	02	00487	70260000	X
1827	02	00488	6840048D	
1828	02	00489	72A60000	X
1829	02	0048A	69380000	A
1830	02	0048B	2D000C1	A
1831	02	0048C	6800046B	
1832		02 0048D		
1833	02	0048D	22A00001	A
1834	02	0048E	51A60000	X
1835	02	0048F	69480000	A
1836	02	00490	6D000037	A
1837	02	00491	52A60000	X
1838	02	00492	49A0149F	
1839	02	00493	68000481	
1840				
1841		02 00494		

0R,R10	XLOCBT	
SEB4P1	STH,R10	STH,FLG,R3
EB4P1	WD,0	X'27'
	B	1,R4

RBUNLOCK	EQU	*
	BAL,R11	PR0DCDA
	B	NXTRBCC
UNLOCK	EQU	*
	WD,0	X'37'
	LH,R10	STH,FLG,R3
	0R,R10	XSTPBIT
UL1	AND,R10	NLOCBT
	B	SEB4P1

RBALGN	EQU	*
	CW,R9	2780BIT
	BANZ	BADCRD
	BAL,R11	PR0DCDA
	B	NXTRBCC
RALGN	EQU	*
	LC	SSIG,R3
	BCR,4	RALGU
	LB,R10	SSTAT,R3
	BNEZ	0,R4
	LI,R13	'A'
	B	SSS1
RALGU	EQU	*
	LI,R10	INBIT
	CH,R10	STH,FLG,R3
	BANZ	0,R4
	WD,0	X'37'
	LH,R10	STH,FLG,R3
	0R,R10	XALGBT
	B	UL1

RBF0RM	EQU	*

H01 15140 SEP 08, 175

1842 02 00494 21900080 A
 1843 02 00495 69400404
 1844 02 00496 6A800876
 1845 02 00497 68000407
 1846 02 00498
 1847 02 00498 0930008C 03
 1848 02 00499 6A8008A9
 1849 02 0049A 321000C7 03
 1850 02 0049B 693004AC
 1851 02 0049C 70200006 A
 1852 02 0049D 698004AA
 1853 02 0049E 221000E0 A
 1854 02 0049F 6A400852
 1855 02 004A0 21100004 A
 1856 02 004A1 692004AC
 1857 02 004A2 6A400848
 1858 02 004A3 32C0024E 03
 1859 02 004A4
 1860 02 004A4 0830008C 03
 1861 02 004A5 22D00000 A
 1862 02 004A6 22E00000 A
 1863 02 004A7 6A400F91
 1864 02 004A8 680004AD
 1865 02 004A9 68000407
 1866 02 004AA
 1867 02 004AA 22C00000 A
 1868 02 004AB 680004A4
 1869 02 004AC
 1870 02 004AC 0830008C 03
 1871 02 004AD
 1872 02 004AD 6AB0079C
 1873 02 004AE 221013A0
 1874 02 004AF 22B00407
 1875 02 004B0 68000759
 1876
 1877 02 004B1
 1878 02 004B1 31901490

RFRM

RFRM1

RNFM

RFRMX

RFRMB

RBSUSP

CI,R9 XP2BIT
 BANZ BADCRD
 BAL,R11 PR0DCDA
 B NXTRBCC
 EQU *
 PSW,R3 TMPSTK
 BAL,R8 COMRET
 LW,R1 MRKD
 BNEZ RFRMX
 LC R6
 BCS,E0C RNFM
 LI,R1 COBLMSK
 BAL,R4 TRT
 CI,R1 4
 BG RFRMX
 BAL,R4 GETFLD
 LW,R12 FLD
 EQU *
 PLW,R3 TMPSTK
 LI,R13 0
 LI,R14 0
 BAL,R4 FORMS
 B RFRMB
 B NXTRBCC
 EQU *
 LI,R12 0
 B RFRM1
 EQU *
 PLW,R3 TMPSTK
 EQU *
 BAL,R11 MOVYCC
 LI,R1 BKFM
 LI,R11 NXTRBCC
 B MOVEMES

 EQU *
 CW,R9 HASPBIT

H01 15:40 SEP 08 175

1879 02 004B2 68400404
 1880 02 004B3 6AB00877
 1881 02 004B4 68000407
 1882 02 004B5
 1883 02 004B5 70260000 X
 1884 02 004B6 68480000 A
 1885 02 004B7 22A000E2 A
 1886 02 004B8 75A60000 X
 1887 02 004B9 68080001 A
 1888
 1889 02 004BA
 1890 02 004BA 31901490
 1891 02 004BB 68400404
 1892 02 004BC 6AB00876
 1893 02 004BD 68000407
 1894 02 004BE 22800407
 1895 02 004BF 52C60000 X
 1896 02 004C0 21C00002 A
 1897 02 004C1 694004C4
 1898 02 004C2 21C00009 A
 1899 02 004C3 69400004 A
 1900 02 004C4 6A40070F
 1901 02 004C5 753A0000 X
 1902 02 004C6 32A0004E 03
 1903 02 004C7 21C00002 A
 1904 02 004C8 694004CB
 1905 02 004C9 22A00000 A
 1906 02 004CA 6A4003BF
 1907 02 004CB 46A0004F 03
 1908 02 004CC 69300407
 1909 02 004CD 6AB0079C
 1910 02 004CE 68000407
 1911
 1912 02 004CF
 1913 02 004CF 22F02000 A
 1914 02 004D0
 1915 02 004D0 47F0005A 03

SUS
 BAZ BADCRD
 BAL,R11 PRODCD
 B NXTRBCC
 EQU \$
 LC SSIG,R3
 BCR,4 O,R4
 LI,R10 ISI
 STB,R10 SSIG,R3
 B 1,R4

 RBCTL EQU \$
 CW,R9 HASPBIT
 BAZ BADCRD
 BAL,R11 PRODCDA
 B NXTRBCC
 LI,R8 NXTRBCC
 LH,R12 STHIFLG,R3
 CI,R12 ECBIT
 BANZ \$+3
 CI,R12 INBIT,SRCB2BT
 BANZ *R4
 BAL,R4 FINWRT
 STB,R3 RBBISMD,R5
 LW,R10 ARSE
 CI,R12 ECBIT
 BANZ \$+3
 LI,R10 0
 BAL,R4 SETHDR
 XW,R10 ARSB
 BNEZ NXTRBCC
 BAL,R11 MOVECC
 B NXTRBCC

 RBDISC EQU \$ PROCESS RBDISC BY SETTING L0FBIT
 LI,R15 L0FBIT IN THE FLAGS.
 RBDISC1 EQU \$
 STS,R15 FLAGS

```

1916 02 004D1 68000407
1917
1918 02 004D2
1919 02 004D2 22800407
1920 02 004D3 6800059E
1921
1922 02 004D4
1923 02 004D4 6AB00861
1924 02 004D5 680004DA
1925 02 004D6
1926 02 004D6 32E00000 X
1927 02 004D7 32F00000 X
1928 02 004D8 47E40000 X
1929 02 004D9 68000004 A
1930 02 004DA
1931 02 004DA 22E00800 A
1932 02 004DB 3300004C 03
1933 02 004DC 68300407
1934 02 004DD 22F00800 A
1935 02 004DE 47E0005A 03
1936 02 004DF 68000407
1937
1938 02 004E0
1939 02 004E0 6AB00861
1940 02 004E1 680004E4
1941 02 004E2
1942 02 004E2 22E00000 A
1943 02 004E3 680004D7
1944 02 004E4
1945 02 004E4 22E00000 A
1946 02 004E5 680004DB
1947
1948 02 004E6
1949 02 004E6 221000C1 A
1950 02 004E7 6A400852
1951 02 004E8 69E00404
1952 02 004E9 221000F4 A
    
```

```

B NXTRBCC
*****
RBMSG EQU $
LI,R8 NXTRBCC
B MSG
*****
RBHOLD EQU $ PROCESS RBHOLD. FOR EACH OR ALL
BAL,R11 PROCB SYSIDS SET HOLDBIT IN BWISDA.
B CHKHLD IF ALL WAS SPECIFIED SET HALBIT
IN RBIFLAG
HLD EQU $
LW,R14 XHOLDBIT
HLD1 LW,R15 XHOLDBIT
STS,R14 BWISDA,R2
B *R4
CHKHLD EQU $
LI,R14 HALBIT
MTW,0 ALLX
BFZ NXTRBCC
LI,R15 HALBIT
STS,R14 FLAGS
B NXTRBCC
*****
RBRET EQU $ PROCESS RBRET FOR EACH OR ALL
BAL,R11 PROCB SYSIDS RESET HOLDBIT. IF ALL
B CHKREL WAS SPECIFIED RESET HALBIT
REL EQU $
LI,R14 0
B HLD1
CHKREL EQU $
LI,R14 0
B CHKHLD+1
*****
RBPRI0 EQU $
LI,R1 NBMSK
BAL,R4 TRT
BCS,CEB BADCRD
LI,R1 NXMSK
    
```

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1953	02	004EA	6A400852	
1954	02	004EB	68E00404	
1955	02	004EC	21100001	A
1956	02	004ED	69200404	
1957	02	004EE	22300010	A
1958	02	004EF	6A4007CE	
1959	02	004FO	35C000EE	03
1960	02	004F1	6A8008A9	
1961	02	004F2	6AB00861	
1962	02	004F3	68000407	
1963	02	004F4	32E000EE	03
1964	02	004F5	21100010	A
1965	02	004F6	683004FA	
1966	02	004F7	69200E98	
1967	02	004F8	71EA0000	X
1968	02	004F9	68200E98	
1969		02	004FA	
1970	02	004FA	32E0004C	03
1971	02	004FB	683007EF	
1972	02	004FC	F8000004	A
1973				
1974		02	004FD	
1975	02	004FD	22100000	A
1976	02	004FE	0910008C	03
1977	02	004FF	6AB00861	
1978	02	00500	68000506	
1979		02	00501	
1980	02	00501	3300004C	03
1981	02	00502	693005BF	
1982	02	00503	75100002	A
1983	02	00504	0920008C	03
1984	02	00505	F8000004	A
1985		02	00506	
1986	02	00506	22800407	
1987	02	00507	22400508	
1988	02	00508	0820008C	03
1989	02	00509	72100002	A

BAL,R4	TRT
BCR,CEB	BADCRD
CI,R1	1
BG	BADCRD
LI,R3	16
BAL,R4	CVTSID
STW,R12	CCTMP
BAL,R8	COMRET
BAL,R11	PROCD
B	NXTRBCC
LW,R14	CCTMP
CI,R1	RUNPRI
BE	BADSIDP
BG	PRI0CG
CB,R14	RBB:MXP,R5
BLE	PRI0CG
EQU	\$
LW,R14	ALLX
BEZ	BADSID1
B	*R4

RBSTAT	EQU	\$
	LI,R1	0
	PSW,R1	TMPSTK
	BAL,R11	PROCD
	B	DBSTAT
STAT1	EQU	\$
	MTW,0	ALLX
	BNEZ	STAT
	STB,R1	R2
	PSW,R2	TMPSTK
	B	*R4
DBSTAT	EQU	\$
	LI,R8	NXTRBCC
	LI,R4	*+1
	PLW,R2	TMPSTK
	LB,R1	R2

PROCESS RBSTATUS IF INDIVIDUAL
 SYSIDS, PUSH THEM N THE STAK
 PRECEDED BY STAK MARK OF ZERO
 IF ALL WAS SPECIFIED PROCESS EACH
 SYSID AS IT IS ENCOUNTERED. (THE
 PUSHING IS TO ALLOW FOR ERROR
 MESSAGES WELL INTO THE CARD. WHEN
 THE COMMAND IS COMPLETE CLOSE WITH

APPROPRIATE (IF ANY) MESSAGE.

 WHEN ALL THE SYSIDS HAVE BEEN OBTAIN
 EACH ONE OUT OF THE STAK AND PUT TH
 APPROPRIATE MESSAGE IN THE MESSAGE I

MO1 15:40 SEP 08, '75
 1990 02 0050A 20200000 A
 1991 02 0050B 693005BF
 1992 02 0050C
 1993 02 0050C 22101356
 1994 02 0050D 330000D9 03
 1995 02 0050E 69300512
 1996 02 0050F 3300004C 03
 1997 02 00510 F8300008 A
 1998 02 00511 20100058 A
 1999 02 00512 6AB00759
 2000 02 00513 F8000008 A
 2001
 2002 02 00514 6800062C
 2003
 2004 02 00515
 2005 02 00515 22F12000 A
 2006 02 00516 680004D0
 2007
 2008 02 00517
 2009 02 00517 22300000 N
 2010 02 00518 71560000 X
 2011 02 00519 6830051C
 2012 02 0051A 64300518
 2013 02 0051B 68000407
 2014 02 0051C 72A60000 X
 2015 02 0051D 6830051A
 2016 02 0051E 52A60000 X
 2017 02 0051F 21A00002 A
 2018 02 00520 68400523
 2019 02 00521 713A0000 X
 2020 02 00522 6830052F
 2021 02 00523 22100000 A
 2022 02 00524 72C20000 X
 2023 02 00525 6930052F
 2024 02 00526 52C20000 X
 2025 02 00527 6930052E
 2026 02 00528 21A00010 A

AI,R2 0
 BNEZ STAT
 EQU *
 LI,R1 ASTER
 MTW,0 STATX
 BNEZ *+4
 MTW,0 ALLX
 BEZ *R8
 AI,R1 NOSTAT=ASTER
 BAL,R11 MOVEMES
 B *R8

 RBSWT B RBSWITCH RBSWITCH WAS TOO FAR FROM RBCCBSE

 RBXXX EQU *
 LI,R15 RBXBIT+LDFBIT
 B RBDISC1

 RBDEV EQU *
 LI,R3 MXSTRM
 CB,R5 SNDDX,R3
 BE *+3
 RBDEV1 BDR,R3 *-2
 B NXTRBCC
 LB,R10 STBITYP,R3
 BEZ RBDEV1
 LW,R10 STM,FLG,R3
 CI,R10 0CBIT
 BAZ *+3
 CB,R3 RBBISMD,R5
 BE RBDEV2
 LI,R1 0
 LB,R12 SSTAT,R1
 BNEZ RBDEV2
 LW,R12 SCNTXT,R1
 BNEZ RBDEV15+1
 CI,R10 L0CBIT

H01 15:40 SEP 08, '75

2027 02 00529 6940052D
 2028 02 0052A 21A00400 A
 2029 02 0052B 6940052F
 2030 02 0052C 20100001 A
 2031 02 0052D 20100001 A
 2032 02 0052E 20100001 A
 2033 02 0052F 0052F
 2034 02 0052F 52C60000 X
 2035 02 00530 55C00198 03
 2036 02 00531 12C2018E 03
 2037 02 00532 35C00199 03
 2038 02 00533 35D0019A 03
 2039 02 00534 22400013 A
 2040 02 00535 32C60000 X
 2041 02 00536 68300539
 2042 02 00537 35C0019D 03
 2043 02 00538 2240001F A
 2044 02 00539 75400196 03
 2045 02 0053A 22100196 03
 2046 02 0053B 22B0051A
 2047 02 0053C 68000759
 2048
 2049 02 0053D 68000611
 2050
 2051 02 0053E
 2052 02 0053E 6AB00861
 2053 02 0053F 68000407
 2054 02 00540
 2055 02 00540 21100010 A
 2056 02 00541 68300547
 2057 02 00542 69200545
 2058 02 00543
 2059 02 00543 33F00000 X
 2060 02 00544 6A8009D1
 2061 02 00545
 2062 02 00545 22E00023 A
 2063 02 00546 68000555

BANZ RBDEV15
 CI,R10 STPBIT
 BANZ RBDEV2
 AI,R1 1
 RBDEV15 AI,R1 1
 AI,R1 1
 RBDEV2 EQU \$
 LM,R12 STHINM,R3
 STH,R12 DDVM1
 LD,R12 DDVMXS,R1
 STW,R12 DDVM2
 STW,R13 DDVM2+1
 LI,R4 DDVMS7
 LW,R12 STWIFORM,R3
 BFZ \$+3
 STW,R12 DDVM3
 LI,R4 DDVMSZF
 STB,R4 DDVM
 LI,R1 DDVM
 LI,R11 RBDEV1
 B MOVEMES

RBINF0 B RBINF NO ROOM HERE

RBDEL EQU \$ PROCESS RBDELETE FOR EACH
 BAL,R11 PR0CD OR ALL SYSIDS DO THE FOLLOWING
 B NXTRBCC IF INPUT = DELETE THE FILE
 DEL EQU \$ IF OUTPUT = DELETE THE FILE
 CI,R1 RUNPRI AND DELETE THE RUNNING ENTRY SO
 BE DEL3 THAT A0F WILL RELEASE THE OUTPUT
 BG DEL2

DEL1 EQU \$
 MTW,-1 SIBFIS
 BAL,R8 ABR\$#
 DEL2 EQU \$
 LI,R14 DELPRI
 B CHNGRSET

2064 02 00547
 2065 02 00547 32F00000 X
 2066 02 00548 47F40000 X
 2067 02 00549 022000D0 A
 2068 02 0054A 0BB0008C 03
 2069 02 0054B 3260000C A
 2070 02 0054C 6AB00C0B
 2071 02 0054D 6A700000 X
 2072 02 0054E 68000551
 2073 02 0054F 22600000 N
 2074 02 00550 6AB00000 X
 2075 02 00551
 2076 02 00551 022000D0 A
 2077 02 00552 0AB0008C 03
 2078 02 00553 354000DC 03
 2079 02 00554 F8000004 A
 2080 02 00555
 2081 02 00555 6A8001D9
 2082 02 00556 20F00000 A
 2083 02 00557 6810055B
 2084 02 00558 20E00001 A
 2085 02 00559 353000D0 03
 2086 02 0055A 55300000 X
 2087 02 0055B 3210000E A
 2088 02 0055C 322000D0 03
 2089 02 0055D F8000004 A
 2090
 2091 02 0055E
 2092 02 0055E 31901490
 2093 02 0055F 69400404
 2094 02 00560 22B00000 A
 2095 02 00561 22401413
 2096 02 00562 22101417
 2097 02 00563 22A00407
 2098 02 00564
 2099 02 00564 35B0005F 03
 2100 02 00565 354000CC 03

DEL3 EQU \$
 LW,R15 DELBIT
 STS,R15 BWISDA,R2
 LCI 13
 PSM,R11 TMPSTK
 LW,R6 R12
 BAL,R11 SVIV
 BAL,R7 GETUSER#
 B DEL5
 LI,R6 E:ABRT
 BAL,R11 T:RUE
 DEL5 EQU \$
 LCI 13
 PLM,R11 TMPSTK
 STW,R4 SVZ
 B *R4
 CHNGRSET EQU \$
 BAL,R8 CHNG
 AI,R15 0
 BGEZ \$+4
 AI,R14 1
 STW,R3 PREV
 STH,R3 BH:LINK
 LW,R1 R14
 LW,R2 PREV
 B *R4

 RBSZ EQU \$
 CW,R9 HASPBIT
 BANZ BADCRD
 LI,R11 0
 LI,R4 SIZOPS
 LI,R1 SIZPTR
 LI,R10 NXTRBCC
 PRBCOP EQU \$
 STW,R11 PRBCOPX
 STW,R4 OPTLST

 CHNGRSET AND DEL6 ALLOW YOU TO
 RELEASE AN ENTRY FROM AL CHAIN
 WITHOUT LOSING YOUR PLACE.

 PROCESS RBSIZE SET POINTERS AND

GO TO PRBCOP

 PROCESS CARDS WITH OPTIONS.

H01 15140 SEP 08, 175

2101 02 00566 351000CD 03
 2102 02 00567 221000A0 A
 2103 02 00568 6A400852
 2104 02 00569 221000C1 A
 2105 02 0056A 6A400852
 2106 02 0056B 6840056D
 2107 02 0056C 6A8008AC
 2108 02 0056D 69800597
 2109 02 0056E 0056E
 2110 02 0056E 221000E0 A
 2111 02 0056F 6A400852
 2112 02 00570 6A400848
 2113 02 00571 2280056D
 2114 02 00572 B24000CC 03
 2115 02 00573 32E0024E 03
 2116 02 00574 B1E800CC 03
 2117 02 00575 6830057D
 2118 02 00576 64400574
 2119 02 00577 32B0005F 03
 2120 02 00578 E930000B A
 2121 02 00579 00579
 2122 02 00579 2200005B A
 2123 02 0057A 2510007F A
 2124 02 0057B 38600001 A
 2125 02 0057C 680007E9
 2126 02 0057D 0057D
 2127 02 0057D B2B800CD 03
 2128 02 0057E 68300592
 2129 02 0057F F920000B A
 2130 02 00580 6A8008A9
 2131 02 00581 69C0058F
 2132 02 00582 2280056D
 2133 02 00583 221000F2 A
 2134 02 00584 6A400852
 2135 02 00585 68E0058F
 2136 02 00586 2230000A A
 2137 02 00587 6A4007CE

PR0C0P1

BAD0P

D00P

STW,R1 OPTBL
 LI,R1 B0MSK
 BAL,R4 TRT
 LI,R1 NBMSK
 BAL,R4 TRT
 BCR,C0MA *+2
 BAL,R8 COMRET2
 BCS,E0C CHKCONT
 EQU \$
 LI,R1 COBLMSK
 BAL,R4 TRT
 BAL,R4 GETFLD
 LI,R8 PR0C0P1=1
 LW,R4 *OPTLST
 LW,R14 FLD
 CW,R14 *OPTLST,R4
 BE D00P
 BDR,R4 *+2
 LW,R11 PR0C0PX
 BNEZ *R11
 EQU \$
 LI,R0 '0'
 SLS,R1 =1
 SW,R6 R1
 B BADSID3
 EQU \$
 LW,R11 *OPTBL,R4
 BEZ SKIP
 BGZ *R11
 BAL,R8 COMRET
 BCS,C0ME BADVAL
 LI,R8 PR0C0P1=1
 LI,R1 NDMSK
 BAL,R4 TRT
 BCR,CEB BADVAL
 LI,R3 10
 BAL,R4 CVTSID

R4=ADDR OF LIST OF TEXT OPTIONS THAT ARE LEGAL - ENTRY ZERO IS A COUNT.

R1=ADDR OF TABLE OF ADDRS OF PROCESSING ROUTINES PARALLEL TO THE OPTION TABLE
 COMMA AND EQUALS DELIMIT FIELDS PARENTHESES ARE IGNORED.

AN OPTION IS OBTAINED AND LOOKED UP IN THE OPTION TABLE THE INDEX IS USED TH FIND AN ENTRY IN THE POINTER TABLE. IF IT IS ZERO THE OPTION AND THE NEXT FIELD (A VAL ARE SKIPPED. IF IT IS POSITIVE THE PROCESSING ROUTINE IS ENTERED. IF I NEGATIVE THE NEXT FIELD IS OBTAINED CONVERTED TO BINARY AND PASSED IN R TO THE PROCESSING ROUTINE. BAD OPT

AND THE NEXT FIELD IS CONSIDERED TO BE AN OPTION. BAD VALUES ARE ALS FLAGGED. THE PROCESSING ROUTINE MA EXIT TO COMRET (R8 IS SET) NORMALLY OR TO BADVAL OR TBGVAL IF THE VALUE IS UNSATISFACTORY

H01 15:40 SEP 08, '75

2138 02 00588 22D000FF A
 2139 02 00589 3AB0000B A
 2140 02 0058A 20C00000 A
 2141 02 0058B F800000B A
 2142 02 0058C
 2143 02 0058C 206FFFFFF A
 2144 02 0058D 22000050 A
 2145 02 0058E 680000590
 2146 02 0058F
 2147 02 0058F 2200005C A
 2148 02 00590 2280056D
 2149 02 00591 680007E9
 2150 02 00592
 2151 02 00592 6A8008A9
 2152 02 00593 221000E0 A
 2153 02 00594 6A400852
 2154 02 00595 2280056D
 2155 02 00596 680008A9
 2156 02 00597
 2157 02 00597 21A0095C
 2158 02 00598 F930000A A
 2159 02 00599 721C0000 A
 2160 02 0059A 2110005E A
 2161 02 0059B F930000A A
 2162 02 0059C 33100052 03
 2163 02 0059D F800000A A
 2164
 2165 02 0059E
 2166 02 0059E 221000C1 A
 2167 02 0059F 6A400852
 2168 02 005A0 F9800008 A
 2169 02 005A1 32E00006 A
 2170 02 005A2 22B005AC
 2171 02 005A3
 2172 02 005A3 22100080 A
 2173 02 005A4 6A400852
 2174 02 005A5 32C00001 A

TBGVAL EQU \$
 AI,R6 =1
 LI,R0 1&1
 B \$+2
 BADVAL EQU \$
 LI,R0 1*1
 LI,R8 PROCOPI=1
 B BADSID3
 SKIP EQU \$
 BAL,R8 COMRET
 LI,R1 COBLMSK
 BAL,R4 TRT
 LI,R8 PROCOPI=1
 B COMRET
 CHKCBNT EQU \$
 CI,R10 RESLIM+2
 BNE *R10
 LB,R1 0,R6
 CI,R1 111
 BNE *R10
 MTW,1 CONT
 B *R10

 MSG EQU \$
 LI,R1 NBMSK
 BAL,R4 TRT
 BC5,E0C *R8
 LW,R14 R6
 LI,R11 MSG1
 GE0C EQU \$
 LI,R1 E0CMSK
 BAL,R4 TRT
 LW,R12 R1

STARTING AT THE CURRENT POSITION
 OUTPUT THE CONTENTS OF THE CARD
 BLANK STRIPPED ON THE 0C.

H01 15:40 SEP 08, 175

2175 02 005A6
 2176 02 005A6 22F00040 A
 2177 02 005A7 206FFFFFF A
 2178 02 005A8 71FC0000 A
 2179 02 005A9 693005AB
 2180 02 005AA 641005A7
 2181 02 005AB 6800000B A
 2182 02 005AC
 2183 02 005AC 21100034 A
 2184 02 005AD 682005B8
 2185 02 005AE 3240000E A
 2186 02 005AF 20400034 A
 2187 02 005B0 22200014 A
 2188 02 005B1 71F80000 A
 2189 02 005B2 683005B6
 2190 02 005B3 204FFFFFF A
 2191 02 005B4 642005B1
 2192 02 005B5 680005B8
 2193 02 005B6 22F00015 A
 2194 02 005B7 75F80000 A
 2195 02 005B8
 2196 02 005B8 22F003E4 03
 2197 02 005B9 7510000F A
 2198 02 005BA 20100013 A
 2199 02 005BB 751000F4 03
 2200 02 005BC 61E00000 A
 2201 02 005BD 224000F4 03
 2202 02 005BE 68000B62
 2203
 2204
 2205
 2206
 2207
 2208
 2209
 2210
 2211

MSG01 EQU \$
 LI,R15 X140'
 AI,R6 =1
 CB,R15 0,R6
 BNE \$+2
 BDR,R1 \$+3
 B *R11

MSG1 EQU \$
 CI,R1 52
 BLE MSG11
 LW,R4 R14
 AI,R4 52
 LI,R2 20
 CB,R15 0,R4
 BE \$+4
 AI,R4 =1
 BDR,R2 \$+3
 B MSG11
 LI,R15 X115'
 STB,R15 0,R4

MSG11 EQU \$
 LI,R15 BA(RBMS1)
 STB,R1 R15
 AI,R1 RBMSZ
 STB,R1 RBMS
 MBS,R14 0
 LI,R4 RBMS
 B TEL#OPR

*
 *
 8 MESSAGE: *RBND D • WSN *MSG* MESSAGE
 8
 8 MEANING: THE MESSAGE WAS SENT FROM WORKSTATION WSN CONNECTED TO
 8 RBND D.
 8
 8 ACTION: DEPENDS ON MESSAGE CONTENT • USE THE RSEND KEY IN TO
 8 REPLY IF REQUIRED

```

2212
2213
2214
2215
2216      02 005BF
2217      02 005BF 09B0008C 03
2218      02 005C0 0910008C 03
2219      02 005C1 32D00001 A
2220      02 005C2 330000D9 03
2221      02 005C3 693005C7
2222      02 005C4 221013A6
2223      02 005C5 6AB00759
2224      02 005C6 331000D9 03
2225      02 005C7
2226      02 005C7 22300000 A
2227      02 005C8 21D00010 A
2228      02 005C9 692005CE
2229      02 005CA 683005CC
2230      02 005CB 20300001 A
2231      02 005CC 20300002 A
2232      02 005CD 680005D1
2233      02 005CE
2234      02 005CE 32F40000 X
2235      02 005CF 683005D1
2236      02 005D0 20300001 A
2237      02 005D1
2238      02 005D1 32F40000 X
2239      02 005D2 31F00000 X
2240      02 005D3 684005D5
2241      02 005D4 20300004 A
2242      02 005D5 32161402
2243      02 005D6 681005DB
2244      02 005D7 6AB005F4
2245      02 005D8 6AB008DF
2246      02 005D9 3A161402
2247      02 005DA 35D20005 A
2248      02 005DB
    
```

0

*
*

*****1

```

STAT EQU $
      PSW,R11 TMPSTK
      PSW,R1  TMPSTK
      LW,R13  R1
      MTW,0   STATX
      BNEZ   ST1
      LI,R1  STATMES
      BAL,R11 MOVEMES
      MTW,1  STATX
ST1 EQU $
      LI,R3  0
      CI,R13 RUNPRI
      BG    ST2
      BE   $+2
      AI,R3 1
      AI,R3 2
      B    ST3
ST2 EQU $
      LW,R15 BWIFORM,R2
      BEZ   ST3
      AI,R3 1
ST3 EQU $
      LW,R15 BWISDA,R2
      CW,R15 XHOLDBIT
      BAZ   $+2
      AI,R3 4
      LW,R1  MSVEC,R3
      BGEZ  ST7
      BAL,R11 ST4
      BAL,R11 DEC
      LCW,R1  MSVEC,R3
      STW,R13 NTR,R1
ST7 EQU $
    
```

DETERMINE THE STATUS OF A FILE
 DEPENDING ON THE PRIORITY AND
 HOLDFLAG OF A FILE A MESSAGE IS
 PLACED IN THE MESSAGE FILE. IF
 THE FILE IS INPUT THE NUMBER AHEAD
 IN INCLUDED IN THE MESSAGE

15140 SEP 08 175

2249	02	005DB	21300002	A
2250	02	005DC	694005ED	
2251	02	005DD	32F40000	X
2252	02	005DE	683005E0	
2253	02	005DF	35F2000D	A
2254	02	005EO	6AB00600	
2255	02	005E1	22D06F6F	A
2256	02	005E2	22300009	A
2257	02	005E3	05D60001	A
2258	02	005E4	32D01283	
2259	02	005E5	52F40000	X
2260	02	005E6	21F0270F	A
2261	02	005E7	692005E9	
2262	02	005E8	6AB008DF	
2263	02	005E9	35D20007	A
2264	02	005EA	72F40000	X
2265	02	005EB	6AB008DF	
2266	02	005EC	35D2000A	A
2267	02	005ED		
2268	02	005ED	52F40000	X
2269	02	005EE	6AB008E1	
2270	02	005EF	35D20002	A
2271	02	005F0	6AB00759	
2272	02	005F1	0810008C	03
2273	02	005F2	08B0008C	03
2274	02	005F3	F8000004	A
2275	02	005F4		
2276	02	005F4	0900008C	03
2277	02	005F5	22F00000	A
2278	02	005F6	32D00002	A
2279	02	005F7	2210000F	A
2280	02	005F8	6A0002B6	
2281	02	005F9	680005FE	
2282	02	005FA	31D00002	A
2283	02	005FB	683005FE	
2284	02	005FC	20F00001	A
2285	02	005FD	680002B9	

ST8

ST4

CI,R3	2
BANZ	ST8
LW,R15	BW,FORM,R2
BEZ	*+2
STW,R15	FRMX,R1
BAL,R11	GTDVNM
LI,R13	1 1
LI,R3	SDVX
STH,R13	*R1,R3
LW,R13	120ASTER+1
LW,R15	BHIGRAN,R2
CI,R15	9999
BB	*+2
BAL,R11	DEC
STW,R13	SGRNX,R1
LB,R15	BBICOPY,R2
BAL,R11	DEC
STW,R13	SCRX,R1
EQU	*
LW,R15	BHISID,R2
BAL,R11	HEXC
STW,R13	SYSD,R1
BAL,R11	MOVEMES
PLW,R1	TMPSTK
PLW,R11	TMPSTK
B	*R4
EQU	*
PSW,R0	TMPSTK
LI,R15	0
LW,R13	R2
LI,R1	FIPRI
BAL,R0	FIND
B	ST5
CW,R13	R2
BE	ST5
AI,R15	1
B	FIND1

QUESTION MARKS

.....
 DETERMINE THE NUMBER AHEAD FOR AN
 INPUT FILE. FILES ARE COUNTED UNTIL
 THE SPECIFIED (R2) FILE IS FOUND BY
 PRIORITY.

H01 15:40 SEP 08, 1975

2286 02 005FE 0800008C 03
 2287 02 005FF F800000B A
 2288
 2289 02 00600
 2290 02 00600 22E00001 A
 2291 02 00601
 2292 02 00601 72FA0000 X
 2293 02 00602 22300000 N
 2294 02 00603 71560000 X
 2295 02 00604 68300607
 2296 02 00605 64300603
 2297 02 00606 F800000B A
 2298 02 00607 51E60000 X
 2299 02 00608 69400605
 2300 02 00609 72D60000 X
 2301 02 0060A 68300605
 2302 02 0060B 48D0000F A
 2303 02 0060C 71D40000 X
 2304 02 0060D 69300605
 2305 02 0060E 52D60000 X
 2306 02 0060F
 2307 02 0060F 20B00001 A
 2308 02 00610 F800000B A
 2309
 2310 02 00611
 2311 02 00611 0950008C 03
 2312 02 00612 221001A1 03
 2313 02 00613 6AB00FE6
 2314 02 00614 0850008C 03
 2315 02 00615 2210019E 03
 2316 02 00616 6AB00759
 2317 02 00617 32F00000 X
 2318 02 00618 6AB008DF
 2319 02 00619 35D001A9 03
 2320 02 0061A 221001A4 03
 2321 02 0061B 6AB00759
 2322 02 0061C 32F00000 X

ST5 PLW,R0 TMPSTK
 B *R11

 GTDVNM EQU *
 LI,R14 INBIT
 GTDVNM1 EQU *
 LB,R15 RBBIDSM,R5
 LI,R3 MXSTRM
 CB,R5 SNDDX,R3
 BE *+3
 GDNN0 BDR,R3 *.2
 B *R11
 CH,R14 STH,FLG,R3
 BANZ GDNN0
 LB,R13 STB:TYP,R3
 BEZ GDNN0
 AND,R13 R15
 CB,R13 BB:DEV,R2
 BNE GDNN0
 LH,R13 STH:NM,R3
 INC11B EQU *
 AI,R11 1
 B *R11

 RBINF EQU *
 PSW,R5 TMPSTK
 LI,R1 ITMM1
 BAL,R8 TIMIN
 PLW,R5 TMPSTK
 LI,R1 ITMM
 BAL,R11 MOVEMES
 LW,R15 SICUIS
 BAL,R11 DEC
 STW,R13 ICUM1
 LI,R1 ICUM
 BAL,R11 MOVEMES
 LW,R15 CIETM

```

2323 02 0061D 6AB008DF
2324 02 0061E 35D001AC 03
2325 02 0061F 221001AA 03
2326 02 00620 6AB00759
2327 02 00621 32F00000 X
2328 02 00622 6AB008DF
2329 02 00623 35D001B3 03
2330 02 00624 221001AD 03
2331 02 00625 6AB00759
2332 02 00626 32F00000 X
2333 02 00627 6AB008DF
2334 02 00628 35D001BA 03
2335 02 00629 221001B4 03
2336 02 0062A 22B00407
2337 02 0062B 68000759
2338
2339 02 0062C
2340 02 0062C 22100000 A
2341 02 0062D 35100252 03
2342 02 0062E 35100253 03
2343 02 0062F 35100074 03
2344 02 00630 35100075 03
2345 02 00631 221000C1 A
2346 02 00632 6A400852
2347 02 00633 69C006AC
2348 02 00634 221000F8 A
2349 02 00635 6A400852
2350 02 00636 68E006AD
2351 02 00637 698006AC
2352 02 00638 21100008 A
2353 02 00639 692006AC
2354 02 0063A 6AA008B3
2355 02 0063B 680006AC
2356 02 0063C 6800068F
2357 02 0063D
2358 02 0063D 221000C1 A
2359 02 0063E 6A400852

```

```

BAL,R11 DEC
STW,R13 IETM1
LI,R1 IETM
BAL,R11 MOVEMES
LW,R15 $IBUIS
BAL,R11 DEC
STW,R13 IBRM1
LI,R1 IBRM
BAL,R11 MOVEMES
LW,R15 $IBFIS
BAL,R11 DEC
STW,R13 IBWM1
LI,R1 IBWM
LI,R11 NXTRBCC
B MOVEMES
*****
RBSWITCH EQU $
LI,R1 0
STW,R1 REC
STW,R1 REC+FLG
STW,R1 TYP SW
STW,R1 SWTYP
LI,R1 NBMSK
BAL,R4 TRT
BCS,COME BADSW
LI,R1 NNMSK
BAL,R4 TRT
BCR,CEB BADSW+1
BCS,EBC BADSW
CI,R1 $
BG BADSW
BAL,R10 PROCID
B BADSW
B SW3
EQU $
LI,R1 NBMSK
BAL,R4 TRT

```

RBSWITCH EQU \$ PROCESS RBSWITCH COMMAND THE

WSN IS OBTAINED AND CHECKED FOR VALIDITY. THEN THE DEVICE TYPE IS OBTAINED. IF THESE ARE NOT B.K. AN ERROR MESSAGE IS PUT IN THE MESSAGE FILE. IF NOT FOR EACH OR ALL SYSIDS THE RBID IS CHANGED TO THAT BELONGING TO THE SPECIFIED WORKSTATION IF THE DEVICE TYPE IS CORRECT. IF THE FILE IS SWITCHED LOCAL THE APPROPRIATE SYMBIONT IS STARTED. IF REMOTE THE HOLD BIT ANI

SW4

H01 15:40 SEP 08, 175

2360	02	0063F	684006AD	
2361	02	00640	20600001	A
2362	02	00641	221000C1	A
2363	02	00642	6A400852	
2364	02	00643	698006AC	
2365	02	00644	69400657	
2366	02	00645	221000F8	A
2367	02	00646	6A400852	
2368	02	00647	698006AC	
2369	02	00648	21100002	A
2370	02	00649	692006AC	
2371	02	0064A	6A400848	
2372	02	0064B	52D0024E	03
2373	02	0064C	35D00074	03
2374	02	0064D	32C00074	03
2375	02	0064E	6A40089E	
2376	02	0064F	680006AC	
2377	02	00650	6A400694	
2378	02	00651	680006AC	
2379	02	00652	35100075	03
2380	02	00653	221000C1	A
2381	02	00654	6A400852	
2382	02	00655	684006AC	
2383	02	00656	698006AC	
2384	02	00657		
2385	02	00657	20600001	A
2386	02	00658	32B01490	
2387	02	00659	21500000	N
2388	02	0065A	68300661	
2389	02	0065B	22400000	A
2390	02	0065C	31BA0000	X
2391	02	0065D	68400661	
2392	02	0065E	48B00253	03
2393	02	0065F	69300664	
2394	02	00660	68000663	
2395	02	00661		
2396	02	00661	48B00253	03

RBSW2

HCHK

BCR,C0MA	BADSW+1
AI,R6	1
LI,R1	NBMSK
BAL,R4	TRT
BCS,E0C	BADSW
BCS,C0MA	RBSW2
LI,R1	NNMSK
BAL,R4	TRT
BCS,E0C	BADSW
CI,R1	2
BG	BADSW
BAL,R4	GETFLD
LW,R13	FLD
STW,R13	TYP SW
LW,R12	TYP SW
BAL,R4	GTDVX
B	BADSW
BAL,R4	CVTYP
B	BADSW
STW,R1	SWTYP
LI,R1	NBMSK
BAL,R4	TRT
BCR,C0MA	BADSW
BCS,E0C	BADSW
EQU	*
AI,R6	1
LW,R11	HASPBIT
CI,R5	LCLX
BE	HCHK
LI,R4	0
CW,R11	RB:FLAG,R5
BAZ	HCHK
AND,R11	FLG+REC
BNEZ	SWITFI
B	Y8IN
EQU	*
AND,R11	FLG+REC

SHOULD CHECK IF HE HAS IT*****

K01 15:40 SEP 08, 175

2397	02	00662	68300664			BEZ	\$+2
2398	02	00663	32400000	X	YBIN	LW,R4	Y8
2399	02	00664	35400076	03	SWITFI	STW,R4	SWITFLG
2400	02	00665	6AB00861			BAL,R11	PRBCD
2401	02	00666	68000407			B	NXTRBCC
2402		02	00667		SW	EQU	*
2403	02	00667	21100010	A		CI,R1	RUNPRI
2404	02	00668	69200668			BB	\$+3
2405		02	00669		SWX	EQU	*
2406	02	00669	33F00056	03		MTW,-1	FFLG
2407	02	0066A	68080000	A		B	O,R4
2408	02	0066B	32F00000	X		LW,R15	SWITBIT
2409	02	0066C	31F40000	X		CW,R15	BWISDA,R2
2410	02	0066D	69400669			BANZ	SWX
2411	02	0066E	02200000	A		LCI	0
2412	02	0066F	0B00008C	03		PSM,R0	TMPSTK
2413	02	00670	6AB00600			BAL,R11	GTDVNM
2414	02	00671	6800068D			B	SWOUTZ
2415	02	00672	31D00074	03		CW,R13	TYPSTW
2416	02	00673	68400676			BAZ	\$+3
2417	02	00674	68300676			BE	\$+2
2418	02	00675	64B00605			BDR,R11	GDNNO
2419	02	00676	32100075	03		LW,R1	SWTYP
2420	02	00677	6930067A			BNEZ	SWTCH
2421	02	00678	6A400694			BAL,R4	CVTYP
2422	02	00679	64B00605			BDR,R11	GDNNO
2423		02	0067A		SWTCH	EQU	*
2424	02	0067A	75140000	X		STB,R1	BBIDEV,R2
2425	02	0067B	72400252	03		LB,R4	REC
2426	02	0067C	75440000	X		STB,R4	BBIRID,R2
2427	02	0067D	32B01490			LW,R11	HASPBIT
2428	02	0067E	4BB0005A	03		AND,R11	FLAGS
2429	02	0067F	47B40000	X		STS,R11	BWISDA,R2
2430	02	00680	32B00076	03		LW,R11	SWITFLG
2431	02	00681	68300687			BEZ	SWOUT
2432	02	00682	69100685			BLZ	\$+3
2433	02	00683	21100005	A		CI,R1	S

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2434 02 00684 69300687
 2435 02 00685 32800000 X
 2436 02 00686 47B40000 X
 2437 02 00687
 2438 02 00687 72D00252 03
 2439 02 00688 22A00500 A
 2440 02 00689 6A800379
 2441 02 0068A 02200000 A
 2442 02 0068B 0A00008C 03
 2443 02 0068C 68080000 A
 2444 02 0068D
 2445 02 0068D 33F00056 03
 2446 02 0068E 6800068A
 2447 02 0068F
 2448 02 0068F 31400005 A
 2449 02 00690 683006AC
 2450 02 00691 21400000 N
 2451 02 00692 693008C2
 2452 02 00693 6800063D
 2453
 2454 02 00694
 2455 02 00694 72100252 03
 2456 02 00695 683006A0
 2457 02 00696 3210025C 03
 2458 02 00697 51D2025E 03
 2459 02 00698 6830069C
 2460 02 00699 64100697
 2461 02 0069A 51D0025E 03
 2462 02 0069B 69380000 A
 2463 02 0069C
 2464 02 0069C 72120266 03
 2465 02 0069D 7280025A 03
 2466 02 0069E 4B100008 A
 2467 02 0069F 68080001 A
 2468 02 006A0
 2469 02 006A0 22100000 N
 2470 02 006A1 51D20000 X

BNE SWOUT
 LW,R11 SWITBIT
 STSR0 STS,R11 BWISDA,R2
 SWOUT EQU \$
 LB,R13 REC
 LI,R10 HALBIT
 BAL,R8 RBCHK
 SWOUT1 LCI 0
 PLM,R0 TMPSTK
 B 0,R4
 SWOUTZ EQU \$
 MTW,-1 FFLG
 B SWOUT1
 SW3 EQU \$
 CW,R4 R5
 BE BADSW
 CI,R4 LCLX
 BNE PIDO=1
 B SW4

CVTYP EQU \$
 LB,R1 REC
 BEZ CVTYPL
 LW,R1 REC+#STRM
 CH,R13 REC+NMTBL,R1
 BE SWTX
 BDR,R1 \$=2
 CH,R13 REC+NMTBL
 BNE 0,R4
 SWTX EQU \$
 LB,R1 REC,RCBTBL,R1
 LB,R8 REC+RMT#
 AND,R1 R8
 B 1,R4
 CVTYPL EQU \$
 LI,R1 SVITYM
 CH,R13 SHISYMT,R1

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2471 02 006A2 683006A5
 2472 02 006A3 641006A1
 2473 02 006A4 68080000 A
 2474 02 006A5 22100000 N
 2475 02 006A6 51020000 X
 2476 02 006A7 683006A9
 2477 02 006A8 641006A6
 2478 02 006A9 70220000 X
 2479 02 006AA 69180001 A
 2480 02 006AB 68080000 A
 2481 02 006AC
 2482 02 006AC 206FFFFFF A
 2483 02 006AD 2200005C A
 2484 02 006AE 22100019 A
 2485 02 006AF 75100051 03
 2486 02 006B0 22800407
 2487 02 006B1 680007F1
 2488
 2489 02 006B2
 2490 02 006B2 3290005A 03
 2491 02 006B3 680006CE
 2492 02 006B4
 2493 02 006B4 3290005A 03
 2494 02 006B5 31901490
 2495 02 006B6 684006BA
 2496 02 006B7 32A00057 03
 2497 02 006B8 30A0004F 03
 2498 02 006B9 693006CE
 2499 02 006BA
 2500 02 006BA 33000057 03
 2501 02 006BB 68300004 A
 2502 02 006BC 6AB00C0B
 2503 02 006BD 31901490
 2504 02 006BE 694006CD
 2505 02 006BF 3290005A 03
 2506 02 006C0 21900010 A
 2507 02 006C1 684006CD

BE \$+3
 BDR,R1 \$=2
 B 0,R4
 LI,R1 TYPMNSZ
 CH,R13 OHINM,R1
 BE \$+2
 BDR,R1 \$=2
 LC TB,FLGS,R1
 BCS,1 1,R4
 B 0,R4
 BADSW EQU \$
 AI,R6 =1
 LI,R0 1*1
 LI,R1 SWCOM1
 STB,R1 COM
 LI,R8 NXTRBCC
 B MARKERR

F0H1 EQU \$
 LW,R9 FLAGS
 B FIASET
 RBCCOUT EQU \$
 LW,R9 FLAGS
 CW,R9 HASPBIT
 BAZ F00
 LW,R10 FINFLG
 AW,R10 ARSB
 BNEZ FIASET
 F00 EQU \$
 MTW,0 FINFLG
 BFZ +R4
 BAL,R11 SVIV
 CW,R9 HASPBIT
 BANZ F01
 LW,R9 FLAGS
 CI,R9 SSSBIT
 BAZ F01

PROCESS JOB STREAM END FOR AN RBT

PROCESS SUSPENDED SYMBIONT IF THE

RESTART CONTROL COMMAND WAS RECIEVED
AND (R) THE DEFAULT IS PUT IN SSIG

H01 15:40 SEP 08, '75

2508	02	006C2	723A0000	X
2509	02	006C3	72160000	X
2510	02	006C4	211000E2	A
2511	02	006C5	693006C8	
2512	02	006C6	221000D9	A
2513	02	006C7	75160000	X
2514		02 006C8		
2515	02	006C8	22E00000	A
2516	02	006C9	75EA0000	X
2517	02	006CA	22F00010	A
2518	02	006CB	47EA0000	X
2519	02	006CC	6AB00000	X
2520		02 006CD		
2521	02	006CD	354000DC	03
2522		02 006CE		
2523	02	006CE	0940008C	03
2524	02	006CF	3290005A	03
2525	02	006D0	21900020	A
2526	02	006D1	684006F0	
2527	02	006D2	209FFFE0	A
2528		02 006D3		
2529	02	006D3	22D00841	A
2530	02	006D4	32A00000	X
2531	02	006D5	723A0000	X
2532	02	006D6	683006F0	
2533	02	006D7	51D60000	X
2534	02	006D8	694006EE	
2535	02	006D9	22800000	A
2536	02	006DA	72E60000	X
2537	02	006DB	721A0000	X
2538	02	006DC	4BE00001	A
2539	02	006DD	22100021	A
2540	02	006DE	22B006E1	
2541	02	006DF	68000839	
2542	02	006E0	680006E8	
2543	02	006E1	21100011	A
2544	02	006E2	682006E8	

	LB,R3	RBBIH0U,R5
	LB,R1	SSIG,R3
	CI,R1	'S'
	BNE	D0SSS
	LI,R1	'R'
	STB,R1	SSIG,R3
D0SSS	EQU	*
	LI,R14	0
	STB,R14	RBBIHIN,R5
	LI,R15	SSSBIT
	STS,R14	RBIFLAG,R5
	BAL,R11	SAQNSERT
F01	EQU	*
	STW,R4	SVZ
FIASET	EQU	*
	PSW,R4	TMPSTK
	LW,R9	FLAGS
	CI,R9	FIABIT
	BAZ	F02
	AI,R9	-FIABIT
FIASET1	EQU	*
	LI,R13	INBIT+WFOBIT+FMSBIT
	LW,R10	HOLDBIT
FIA1	LB,R3	RBBIHFE,R5
	BEZ	F02
	CH,R13	STHIFLG,R3
	BANZ	FIA3
	LI,R8	0
	LB,R14	STB,TYP,R3
	LB,R1	RBBIDSM,R5
	AND,R14	R1
	LI,R1	MFPRI
	LI,R11	*+3
	B	ALL2
	B	FIA2
	CI,R1	00PRI
	BLE	FIA2

THE SYMBIONT IS RESTARTED.

.....
 IF FIABIT IS SET CHECK TO SEE IF PR
 AND/OR PUNCH IS PENDING AND SET THE

H01 15:40 SEP 08, 1975

2545 02 006E3 31A40000 X
 2546 02 006E4 F9400004 A
 2547 02 006E5 71E40000 X
 2548 02 006E6 F9300004 A
 2549 02 006E7 22800400 A
 2550 02 006E8
 2551 02 006E8 6D000037 A
 2552 02 006E9 52B60000 X
 2553 02 006EA 4BB014A3
 2554 02 006EB 49B00008 A
 2555 02 006EC 55B60000 X
 2556 02 006ED 6D000027 A
 2557 02 006EE
 2558 02 006EE 72360000 X
 2559 02 006EF 680006D6
 2560 02 006F0
 2561 02 006F0 31901499
 2562 02 006F1 694006FF
 2563 02 006F2 723A0000 X
 2564 02 006F3 72360000 X
 2565 02 006F4 22C00400 A
 2566 02 006F5 51C60000 X
 2567 02 006F6 684006FC
 2568 02 006F7 31900000 X
 2569 02 006F8 694006FF
 2570 02 006F9 22101370
 2571 02 006FA 6AB00759
 2572 02 006FB 680006FF
 2573 02 006FC
 2574 02 006FC 22E00000 A
 2575 02 006FD 32F00000 X
 2576 02 006FE 47EA0000 X
 2577 02 006FF
 2578 02 006FF 21902000 A
 2579 02 00700 68400706
 2580 02 00701 22400235 03
 2581 02 00702 6A800B62

FIA2

FIA3

F02

F04

F05

CW,R10 BWISDA,R2
 BANZ *R4
 CB,R14 BB:DEV,R2
 BNE *R4
 LI,R8 STPBIT
 EQU \$
 WD,0 X'137'
 LW,R11 STH:FLG,R3
 AND,R11 NSTPBT
 OR,R11 R8
 STH,R11 STH:FLG,R3
 WD,0 X'127'
 EQU \$
 LB,R3 STB:LNK,R3
 B FIA1
 EQU \$
 CW,R9 BSCBTS
 BANZ F05
 LB,R3 RBB:HF,R5
 LB,R3 STB:LNK,R3
 LI,R12 STPBIT
 CH,R12 STH:FLG,R3
 BAZ F04
 CW,R9 PUNBIT
 BANZ F05
 LI,R1 PUNMES
 BAL,R11 MOVEMES
 B F05
 EQU \$
 LI,R14 0
 LW,R15 PUNBIT
 STS,R14 RB:FLAG,R5
 EQU \$
 CI,R9 LOFBIT
 BAZ F06
 LI,R4 OPDISCM
 BAL,R8 TEL:OPR

IF THERE IS PUNCH PENDING AND IT HAS

IF THERE IS NO PUNCH PENDING AND PUN
REQUESTED CLEAR THE REQUEST

 IF AN RBDISC HAS BEEN SENT TELL THE
 AND PUT CONFIRMATION IN THE MESSAGE
 FILE. THEN CHANGE LOFBIT TO DISCBI
 THAT THE TERMINAL WILL BE DISCONNECT
 IT CYCLES TO READ.

2582
 2583
 2584
 2585
 2586
 2587
 2588
 2589
 2590
 2591
 2592
 2593 02 00703 22100235 03
 2594 02 00704 6AB00759
 2595 02 00705 20902000 A
 2596 02 00706 6840008C 03
 2597 02 00707 32F00000 X
 2598 02 00707 32F00000 X
 2599 02 00708 31FA0000 X
 2600 02 00709 6840070E
 2601 02 0070A 22101367
 2602 02 0070B 6AB00759
 2603 02 0070C 22E00000 A
 2604 02 0070D 47EA0000 X
 2605 02 0070E 4B90149A
 2606 02 0070E 4B90149A
 2607 02 0070F 321A0000 X
 2608 02 0070F 321A0000 X
 2609 02 00710 721A0000 A
 2610 02 00711 721A0000 X
 2611 02 00712 22F00002 A
 2612 02 00713 51F20000 X
 2613 02 00714 69400717
 2614 02 00715 22101301
 2615 02 00716 6AB00759
 2616 02 00717 32800004 A
 2617 02 00718 68000D21
 2618

*
 *
 0
 0
 0
 0
 0
 0
 0
 0
 *
 *

MESSAGE: *RBND * WSN - LOGGED OFF

MEANING: WORKSTATION WSN CONNECTED TO RBND HAS LOGGED OFF AND WILL BE DISCONNECTED WHEN ALL OUTPUT IS RECEIVED

ACTION: NONE - INFORMATION ONLY

F06
FINOUT

LI,R1 DISCM
 BAL,R11 MOVEMES
 AI,R9 DISCBIT,L0FBIT
 PLW,R4 TMPSTK
 EQU \$
 LW,R15 IGBIT
 CW,R15 RBIFLAG,R5
 BAZ F07
 LI,R1 IGMES
 BAL,R11 MOVEMFS
 LI,R14 0
 STS,R14 RBIFLAG,R5
 EQU \$
 AND,R9 NCTRBIT
 EQU \$
 LW,R1 RBIMFAD,R5
 BEZ *R4
 LB,R1 RBBISMD,R5
 LI,R15 0CBIT
 CH,R15 STHIFLG,R1
 BANZ \$+3
 LI,R1 T0FM
 BAL,R11 MOVEMES
 LW,R8 R4
 B WMF

IF CARDS WERE IGNORED TELL THE RBT
THE MESSAGE FILE.

SET THE FLAGS, PUT A T0F AT THE END

H01 15140 SEP 08, 175

2619 02 00719 60000037 A
 2620 02 00719 60000037 X
 2621 02 0071A 52160000 X
 2622 02 0071B 20100040 A
 2623 02 0071C 55160000 X
 2624 02 0071D 60000027 A
 2625 02 0071E 32000059 03
 2626 02 0071F 35060000 X
 2627 02 00720 12E01204
 2628 02 00721 61E00000 A
 2629 02 00722 22F00146 03
 2630 02 00723 22800290
 2631 02 00724 22100006 A
 2632 02 00724 22100006 A
 2633 02 00725 72260000 X
 2634 02 00726 F522000F A
 2635 02 00727 22CFD6C3 A
 2636 02 00727 22CFD6C3 A
 2637 02 00728 6A40089E
 2638 02 00729 02000000 A
 2639 02 0072A 3240000F A
 2640 02 0072B 32F00003 A
 2641 02 0072C 32C0122C
 2642 02 0072D 6AB00C0B
 2643 02 0072E 32B000D3 03
 2644 02 0072F F9300008 A
 2645 02 00730 68000B91
 2646 02 00731 21900080 A
 2647 02 00731 21900080 A
 2648 02 00732 68400453
 2649 02 00733 521002AC 03
 2650 02 00734 21100007 A
 2651 02 00735 69200453
 2652 02 00736 68300754
 2653 02 00737 322002AC 03
 2654 02 00738 4B200000 X
 2655 02 00739 22300000 N

XP2FM

EQU *
 WD,0 X1371
 LH,R1 STHIFLG,R3
 AI,R1 FMSBIT
 STH,R1 STHIFLG,R3
 WD,0 X1271
 LW,R13 FRMNM
 STW,R13 STWIFORM,R3
 LD,R14 RFXPTR
 MBS,R14 0
 LI,R15 REQFXP
 LI,R8 GOF6
 EQU *
 LI,R1 6
 LB,R2 STBITYP,R3
 STB,R2 *R15,R1
 EQU *
 LI,R12 XIFD6C31
 BAL,R4 GTDVX
 NBP
 LW,R4 R15
 LW,R15 R3
 LW,R12 XP2FCN
 BAL,R11 SVIV
 LW,R11 RCVRFLG
 BNEZ *R8
 B TELORBT2
 EQU *
 CI,R9 XP2BIT
 BAZ 0CM1
 LH,R1 ID
 CI,R1 7
 BG 0CM1
 BE RREC
 LW,R2 ID
 AND,R2 M8
 LI,R3 MXSTRM

TEL\$XP2

TEL\$XPX

XP2CBM

HW (10C1)

H01 15140 SEP 08, '75

2656	02	0073A	71560000	X
2657	02	0073B	6930073E	
2658	02	0073C	71260000	X
2659	02	0073D	68300740	
2660	02	0073E	6430073A	
2661	02	0073F	68000453	
2662	02	00740	72121411	
2663	02	00741	68020742	
2664	02	00742	68000453	
2665		02 00743		
2666	02	00743	6D000037	A
2667	02	00744	52160000	X
2668	02	00745	201FFFC0	A
2669	02	00746	491014A2	
2670	02	00747	55160000	X
2671	02	00748	6D000027	A
2672	02	00749	68000020	
2673		02 0074A		
2674	02	0074A	6D000037	A
2675	02	0074B	52160000	X
2676	02	0074C	491014A5	
2677	02	0074D	55160000	X
2678	02	0074E	6D000027	A
2679	02	0074F	32D002AD	03
2680	02	00750	35D60000	X
2681	02	00751	22F00149	03
2682	02	00752	22800020	
2683	02	00753	68000724	
2684		02 00754		
2685	02	00754	22110000	A
2686	02	00755	471A0000	X
2687	02	00756	224001C8	03
2688	02	00757	22800020	
2689	02	00758	68000B60	
2690				
2691				
2692				

GTDBT	CB,R5	SNDDX,R3
	BNE	*+3
	CB,R2	STB:TYP,R3
	BF	*+3
	BDR,R3	GTDBT
	B	0CM1
	LB,R1	XP2VEC,R1
	B	XP2BSE,R1
XP2BSE	B	0CM1
RGFM	EQU	*
	WD,0	X'37'
	LH,R1	STH:FLG,R3
	AI,R1	*FMSBIT
	OR,R1	XSTPBIT
	STH,R1	STH:FLG,R3
	WD,0	X'27'
	B	CTR1
RRFM	EQU	*
	WD,0	X'37'
	LH,R1	STH:FLG,R3
	OR,R1	XFLKBIT
	STH,R1	STH:FLG,R3
	WD,0	X'27'
	LW,R13	ID*1
	STW,R13	STW:F0RM,R3
	LI,R15	GFXP
	LI,R8	CTR1
	B	TEL*XP2
RREC	EQU	*
	LI,R1	RBXBIT
	STS,R1	RB:FLAG,R5
	LI,R4	RREC
	LI,R8	CTR1
	B	TEL*OP

*
*
B MESSAGE: *RBND * WSN * RECOVERING

2693
 2694
 2695
 2696
 2697
 2698
 2699
 2700
 2701
 2702
 2703
 02 00759
 2704 02 00759 6AA007C8
 2705 02 0075A 32600001 A
 2706 02 0075B 25600002 A
 2707 02 0075C 721C0000 A
 2708 02 0075D 20600001 A
 2709 02 0075E
 2710 02 0075E 0960008C 03
 2711 02 0075F 330A0000 X
 2712 02 00760 6930076C
 2713 02 00761 6A600CF9
 2714 02 00762 357A0000 X
 2715 02 00763 22A00776
 2716 02 00764
 2717 02 00764 22600000 A
 2718 02 00765 356A0000 X
 2719 02 00766 335A0000 X
 2720 02 00767 20700001 A
 2721 02 00768 F5600007 A
 2722 02 00769 25700002 A
 2723 02 0076A 20700001 A
 2724 02 0076B F800000A A
 2725 02 0076C
 2726 02 0076C 226003EB A
 2727 02 0076D 38600001 A
 2728 02 0076E 316A0000 X
 2729 02 0076F 68100776

8
 8
 8
 8
 8
 8
 8
 *
 *

MEANING: THE OTHER CP-V SYSTEM CONNECTED TO RBNDN AS WORKSTATION
 WSN HAS CRASHED AND THE LINE WILL BE DISCONNECTED

ACTION: ALLOW TIME FOR THE RECOVERY AND RECONNECT THE MACHINE
 ACCORDING TO INSTALLATION PROCEDURES

MOVEMES EQU *
 BAL,R10 SMDCK
 LW,R6 R1
 SLS,R6 2
 LB,R1 0,R6
 AI,R6 1
 MOVE1 EQU *
 PSW,R6 TMPSTK
 MTW,0 RBIMFAD,R5
 BNEZ MFCK2
 BAL,R6 GET256
 STW,R7 RBIMFAD,R5
 LI,R10 MOVE15
 MFCK1 EQU *
 LI,R6 0
 STW,R6 RBISPMF,R5
 MTW,5 RBISPMF,R5
 AI,R7 1
 STB,R6 *R7
 SLS,R7 2
 AI,R7 1
 B *R10
 MFCK2 EQU *
 LI,R6 1024*8-1*3*5*4
 SW,R6 R1
 CW,R6 RBISPMF,R5
 BGE MOVE15

SZ=2DA=EBB-CTL-HSP-SAFE

MO1 15:40 SEP 08, 175
 2730 02 00770 22A00776
 2731 02 00771
 2732 02 00771 0980008C 03
 2733 02 00772 6A800D20
 2734 02 00773 0880008C 03
 2735 02 00774 327A0000 X
 2736 02 00775 68000764
 2737 02 00776
 2738 02 00776 0860008C 03
 2739 02 00777 751E0000 A
 2740 02 00778 731E0000 A
 2741 02 00779 661A0000 X
 2742 02 0077A 3300005E 03
 2743 02 0077B 693007A9
 2744 02 0077C 21500000 N
 2745 02 0077D 68300781
 2746 02 0077E 32A01490
 2747 02 0077F 4BAA0000 X
 2748 02 00780 693007A9
 2749 02 00781
 2750 02 00781 75100007 A
 2751 02 00782 22A00793
 2752 02 00783
 2753 02 00783 20700001 A
 2754 02 00784 22100006 A
 2755 02 00785 751E0000 A
 2756 02 00786 20700001 A
 2757 02 00787 22100001 A
 2758 02 00788 751E0000 A
 2759 02 00789 20700001 A
 2760 02 0078A 221000C0 A
 2761 02 0078B 21600769 03
 2762 02 0078C 68300791
 2763 02 0078D 21604A09
 2764 02 0078E 68300791
 2765 02 0078F 21604C05
 2766 02 00790 F930000A A

FORCE

MOVE15

MOVE17

MVSET

LI,R10 MOVE15
 EQU \$
 PSW,R8 TMPSTK
 BAL,R8 WMFF
 PLW,R8 TMPSTK
 LW,R7 RBIMFAD,R5
 B MFCK1
 EQU \$
 PLW,R6 TMPSTK
 STB,R1 0,R7
 MTB,1 0,R7
 AWM,R1 RBISPMF,R5
 MTW,0 K0MP
 BNEZ HSPCMP
 CI,R5 LCLX
 BE MOVE17
 LW,R10 HASpBIT
 AND,R10 RB,FLAG,R5
 BNEZ HSPCMP
 EQU \$
 STB,R1 R7
 LI,R10 MOVE2
 EQU \$
 AI,R7 1
 LI,R1 IOFCN
 STB,R1 0,R7
 AI,R7 1
 LI,R1 1
 STB,R1 0,R7
 AI,R7 1
 LI,R1 X,CO1
 CI,R6 BA(HDR)+1
 BE MVSET1
 CI,R6 BA(120ASTER)+1
 BE MVSET1
 CI,R6 BA(T0FM)+1
 BNE *R10

H01 15:40 SEP 08, 175

2767 02 00791
 2768 02 00791 221000F1 A
 2769 02 00792 F800000A A
 2770 02 00793
 2771 02 00793 751E0000 A
 2772 02 00794 20700001 A
 2773 02 00795 61600000 A
 2774 02 00796
 2775 02 00796 0860008C 03
 2776 02 00797 22100000 A
 2777 02 00798 751E0000 A
 2778 02 00799 20700001 A
 2779 02 0079A 335A0000 X
 2780 02 0079B F800000B A
 2781 02 0079C
 2782 02 0079C 33000053 03
 2783 02 0079D F930000B A
 2784 02 0079E 4AA007C8
 2785 02 0079F 32600050 03
 2786 02 007A0 3210004F 03
 2787 02 007A1 683007A6
 2788 02 007A2 22A00080 A
 2789 02 007A3 31AA0000 X
 2790 02 007A4 F940000B A
 2791 02 007A5 680007A7
 2792 02 007A6
 2793 02 007A6 3210004D 03
 2794 02 007A7 33100053 03
 2795 02 007A8 6800075E
 2796 02 007A9
 2797 02 007A9 02200020 A
 2798 02 007AA 0B20008C 03
 2799 02 007AB 32200007 A
 2800 02 007AC 32300001 A
 2801 02 007AD 6AA00783
 2802 02 007AE 4B101224
 2803 02 007AF 201000A1 A

MVSET1 EQU \$
 LI,R1 X'F1'
 B *R10
 MOVE2 EQU \$
 STB,R1 0,R7
 AI,R7 1
 MBS,R6 0
 MOVE3 EQU \$
 PLW,R6 TMPSTK
 LI,R1 0
 STB,R1 0,R7
 AI,R7 1
 MTW,5 RB,SPMF,R5
 B *R11
 MOVECC EQU \$
 MTW,0 CCMVD
 BNEZ *R11
 BAL,R10 SMDCK
 LW,R6 BCP
 LW,R1 ARSB
 BEZ MVCC1
 LI,R10 XP2BIT
 CW,R10 RBIFLAG,R5
 BANZ *R11
 B \$+2
 MVCC1 EQU \$
 LW,R1 ARS
 MTW,1 CCMVD
 B MOVE1
 HSpCMP EQU \$
 LCI 2
 PSM,R2 TMPSTK
 LW,R2 R7
 LW,R3 R1
 BAL,R10 MVSET
 AND,R1 X'12'
 AI,R1 X'A1'

BC+RCC+SKP+VFC+BC

H01 15:40 SEP 08, 175

2804	02	007B0	751E0000	A
2805	02	007B1	20700001	A
2806	02	007B2	73240000	A
2807	02	007B3	332A0000	X
2808		02 007B4		
2809	02	007B4	32A00003	A
2810	02	007B5	21A0003F	A
2811	02	007B6	682007B8	
2812	02	007B7	22A0003F	A
2813	02	007B8	75A00007	A
2814	02	007B9	20A000C0	A
2815	02	007BA	75AE0000	A
2816	02	007BB	20700001	A
2817	02	007BC	61600000	A
2818	02	007BD	203FFF C1	A
2819	02	007BE	692007C5	
2820	02	007BF	22100000	A
2821	02	007C0	751E0000	A
2822	02	007C1	20700001	A
2823	02	007C2	02200020	A
2824	02	007C3	0A20008C	03
2825	02	007C4	68000796	
2826		02 007C5		
2827	02	007C5	73140000	A
2828	02	007C6	331A0000	X
2829	02	007C7	680007B4	
2830		02 007C8		
2831	02	007C8	21500000	N
2832	02	007C9	683007CC	
2833	02	007CA	730A0000	X
2834	02	007CB	F830000B	A
2835	02	007CC	0960008C	03
2836	02	007CD	F800000A	A
2837				
2838		02 007CE		
2839	02	007CE	35300055	03
2840	02	007CF	32E00001	A

	HSCP1	STB,R1	0,R7
		AI,R7	1
		MTB,2	0,R2
		MTW,2	RBISPMF,R5
		EQU	*
		LW,R10	R3
		CI,R10	63
		BLE	*+2
		LI,R10	63
		STB,R10	R7
		AI,R10	X'CO'
		STB,R10	0,R7
		AI,R7	1
		MBS,R6	0
		AI,R3	=63
		BGZ	HSCP2
		LI,R1	0
		STB,R1	0,R7
		AI,R7	1
		LCI	2
		PLM,R2	TMPSTK
		B	MOVE3
	HSCP2	EQU	*
		MTB,1	0,R2
		MTW,1	RBISPMF,R5
		B	HSCP1
	SMDCK	EQU	*
		CI,R5	LCLX
		BF	*+3
		MTB,0	RBBISMD,R5
		BEZ	*R11
		PSW,R6	TMPSTK
		B	*R10

	CVTSID	EQU	*
		STW,R3	CVT
		LW,R14	R1

CONVERT EBCDIC FIELD TO BINARY
 !
 BASE OF FIELDS NUMBER SYSTEM IN R3.

H01 15:40 SEP 08, 1975

2841 02 007D0 32300006 A
 2842 02 007D1 22D00000 A
 2843 02 007D2 38300001 A
 2844 02 007D3
 2845 02 007D3 72F60000 A
 2846 02 007D4 20FFFF10 A
 2847 02 007D5 681007D7
 2848 02 007D6 20F00039 A
 2849 02 007D7 37D00055 03
 2850 02 007D8 30D0000F A
 2851 02 007D9 20300001 A
 2852 02 007DA 64E007D3
 2853 02 007DB 32C0000D A
 2854 02 007DC 88000004 A
 2855
 2856 02 007DD
 2857 02 007DD 21100001 A
 2858 02 007DE 693007E8
 2859 02 007DF 20600002 A
 2860 02 007E0 22100003 A
 2861 02 007E1 6A400848
 2862 02 007E2 32401212
 2863 02 007E3 3140024E 03
 2864 02 007E4 683008B1
 2865 02 007E5 206FFFFE A
 2866 02 007E6
 2867 02 007E6 2510007F A
 2868 02 007E7 38600001 A
 2869 02 007E8 2200007B A
 2870 02 007E9 0980008C 03
 2871 02 007EA 6A8007F1
 2872 02 007EB 0880008C 03
 2873 02 007EC
 2874 02 007EC 221000E0 A
 2875 02 007ED 6A400852
 2876 02 007EE 680008A9
 2877 02 007EF 206FFFFF A

CVTHEX

LW,R3 R6
 LI,R13 0
 SW,R3 R1
 EQU \$
 LB,R15 0,R3
 AI,R15 =X'FO'
 BGEZ \$+2
 AI,R15 X'FO'=X'G1'+10
 MW,R13 CVT
 AW,R13 R15
 AI,R3 1
 BDR,R14 CVTHEX
 LW,R12 R13
 B *R4

LENGTH IN R1 END OF FIELD IN R6.
 CONVERTS DIRECTLY FROM BUFFER INTO
 R12.

CHKALL

EQU \$
 CI,R1 1
 BNE BADSID2
 AI,R6 2
 LI,R1 3
 BAL,R4 GETFLD
 LW,R4 TALL
 CW,R4 FLD
 BE ALLRET
 AI,R6 =2

CHECK BAD SYSID TO SEE IF IT IS
 ALL. IF SO GO TO ALLRET, IF NOT
 FALL INTO BADSID.

BADSID

EQU \$
 SLS,R1 =1
 SW,R6 R1
 BADSID2 LI,R0 '#'
 BADSID3 PSW,R8 TMPSTK
 BAL,R8 MARKERR
 PLW,R8 TMPSTK
 BADSID4 EQU \$
 LI,R1 COBLMSK
 BAL,R4 TRT
 B COMRET
 BADSID1 AI,R6 =1

.....
 FLAG BAD FIELD ON CC. THEN GO TO
 NEXT FIELD. VARIOUS AJUSTMENTS TO
 POINTER ARE AVAILABLE. DEFAULT
 FLAG IS '#' BUT OTHER ENTRIES ALLOW
 OTHER FLAGS.


```

2878 02 007F0 680007E8
2879
2880      02 007F1
2881 02 007F1 330000C7 03
2882 02 007F2 6930080C
2883 02 007F3 02200020 A
2884 02 007F4 0BA0008C 03
2885 02 007F5 6AB0079C
2886 02 007F6 32100053 03
2887 02 007F7 68300805
2888 02 007F8 321A0000 X
2889 02 007F9 3010004E 03
2890 02 007FA 2110038C A
2891 02 007FB 682007FF
2892 02 007FC 0960008C 03
2893 02 007FD 6AA00771
2894 02 007FE 0860008C 03
2895 02 007FF 357000C7 03
2896 02 00800 3210004E 03
2897 02 00801 20100003 A
2898 02 00802 75101287
2899 02 00803 22101287
2900 02 00804 6AB00759
2901 02 00805 333000C7 03
2902 02 00806 72100051 03
2903 02 00807 7212140A
2904 02 00808 201012D6
2905 02 00809 6AB00759
2906 02 0080A 02200020 A
2907 02 0080B 0AA0008C 03
2908      02 0080C
2909 02 0080C 32100053 03
2910 02 0080D 68300008 A
2911 02 0080E 32100006 A
2912 02 0080F 38100050 03
2913 02 00810 21500000 N
2914 02 00811 68300815

```

```

      B      BADSID2
*****
MARKERR EQU $
      MTW,0 MRKD
      BNEZ REMARK
      LCI 2
      PSM,R10 TMPSTK
      BAL,R11 MOVECC
      LW,R1 CCMVD
      BEZ MKER1
      LW,R1 RBISPMF,R5
      AW,R1 ARSE
      CI,R1 1024=8*8*100
      BLE $+4
      PSW,R6 TMPSTK
      BAL,R10 FORCE
      PLW,R6 TMPSTK
      STW,R7 MRKD
      LW,R1 ARSE
      AI,R1 3
      STB,R1 80BLNK
      LI,R1 80BLNK
      BAL,R11 MOVEMES
      MTW,3 MRKD
      LB,R1 COM
      LB,R1 MKMES,R1
      AI,R1 MSBSE
      BAL,R11 MOVEMES
      LCI 2
      PLM,R10 TMPSTK
REMARK EQU $
      LW,R1 CCMVD
      BEZ *R8
      LW,R1 R6
      SW,R1 BCP
      CI,R5 LCLX
      BE $+4

```

```

PUT NEW FLAG INTO FLAG LINE
!
THE FLAG IN R0 IS PLACED UNDER
THE APPROPRIATE FIELD IN THE LISTED
CC. IF THIS IS THE FIRST ERROR, THE
FLAG LINE IS CREATED AND A MESSAGE
APPROPRIATE TO THE TYPE OF CC IS
PLACED IN THE MESSAGE FILE FOLLOWING
THE FLAG LINE. IF THERE IS NOT ROOM
FOR BOTH THE FLAG LINE AND MESSAGE
THE CURENT BUFFER IS WRITTEN AND A
NEW ONE STARTED.

```

2915	02	00812	21100040	A
2916	02	00813	69100815	
2917	02	00814	20100001	A
2918	02	00815	301000C7	03
2919	02	00816	75020000	A
2920	02	00817	F8000008	A
2921				
2922		02 00818		
2923	02	00818	22200000	A
2924	02	00819	352000CA	03
2925	02	0081A	35200056	03
2926	02	0081B	22100020	A
2927	02	0081C	6A0002B6	
2928	02	0081D	68000829	
2929	02	0081E	51C40000	X
2930	02	0081F	693002B9	
2931	02	00820	72EA0000	X
2932	02	00821	71E40000	X
2933	02	00822	68300823	
2934	02	00823	331000CA	03
2935	02	00824	680002B9	
2936	02	00825	33100056	03
2937	02	00826	6A40083F	
2938	02	00827	21100010	A
2939	02	00828	692002B9	
2940		02 00829		
2941	02	00829	33000056	03
2942	02	0082A	693008A8	
2943	02	0082B	22800866	
2944	02	0082C	330000CA	03
2945	02	0082D	68300835	
2946		02 0082E		
2947	02	0082E	2200005B	A
2948		02 0082F		
2949	02	0082F	206FFFFFF	A
2950	02	00830	0980008C	03
2951	02	00831	6A8007F1	

CI,R1	64
BL	8+2
AI,R1	1
AW,R1	MRKD
STB,R0	0,R1
B	*R8

FINDSID EQU	*
LI,R2	0
STW,R2	NYID
STW,R2	FFLG
LI,R1	FOPRI
BAL,R0	FIND
B	FSID3
CH,R12	BHSID,R2
BNE	FIND1
LB,R14	RBB:ID,R5
CB,R14	BBIRID,R2
BE	FSID2
MTW,1	NYID
B	FIND1
FSID2 MTW,1	FFLG
BAL,R4	CKG8
CI,R1	RUNPRI
BG	FIND1
FSID3 EQU	*
MTW,0	FFLG
BNEZ	COMRET1
LI,R8	PR0CD2=1
MTW,0	NYID
BEZ	FSID7
FSID4 EQU	*
LI,R0	'9'
FSID6 EQU	*
AI,R6	=1
PSW,R8	TMPSTK
BAL,R8	MARKERR

FIND AND CHECK ALL ENTRIES WITH A GIVEN SYSID
 !
 ENTER WITH THE SYSID IN R12. R11 POINTS TO A ROUTINE TO BE ENTERED FOR EACH LEGAL ENTRY. IF THE SYSID NOT FOUND AT ALL IT IS FLAGGED WITH A '!' IF NO ENTRY HAS THE RIGHT RBI THE SYSID IS FLAGGED WITH A '9'. EXIT IS TO COMRET1 WHICH FINDS THE NEXT FIELD AND EXITS TO PR0CD.

```

2952 02 00832 0880008C 03
2953 02 00833 20600001 A
2954 02 00834 680008A9
2955 02 00835
2956 02 00835 2200005C A
2957 02 00836 6800082F
2958
2959 02 00837 20B00001 A
2960 02 00838
2961 02 00838 22100020 A
2962 02 00839
2963 02 00839 224002B9
2964 02 0083A 72CA0000 X
2965 02 0083B 6A0002B6
2966 02 0083C 68000846
2967 02 0083D 71C40000 X
2968 02 0083E 693002B9
2969 02 0083F
2970 02 0083F 21100010 A
2971 02 00840 2930000B A
2972 02 00841 22F00000 X
2973 02 00842 31F40000 X
2974 02 00843 694002B9
2975 02 00844 33100056 03
2976 02 00845 2800000B A
2977 02 00846 20BFFFFFF A
2978 02 00847 2800000B A
2979
2980 02 00848
2981 02 00848 22F00938 03
2982 02 00849 32E01288
2983 02 0084A 35E0024E 03
2984 02 0084B 35E0024F 03
2985 02 0084C 4B100000 X
2986 02 0084D
2987 02 0084D 7510000F A
2988 02 0084E 32E00006 A
    
```

```

PLW,R8 TMPSTK
AI,R6 1
B COMRET
FSID7 EQU $
LI,R0 !*!
B FSID6
*****
ALL1 AI,R11 1
ALL EQU $
LI,R1 FOPRI
ALL2 EQU $
LI,R4 FIND1
LB,R12 RBBID,R5
BAL,R0 FIND
B ALLOUT
CB,R12 BB,RID,R2
BNE FIND1
CK88 EQU $
CI,R1 RUNPRI
BNE *R11
LW,R15 DELBIT
CW,R15 BWISEDA,R2
BANZ FIND1
MTW,1 FFLG
B *R11
ALLOUT AI,R11 1
B *R11
*****
GETFLD EQU $
LI,R15 BA(FLD)
LW,R14 80BLNK+1
STW,R14 FLD
STW,R14 FLD+1
AND,R1 XF
MOVFLD EQU $
STB,R1 R15
LW,R14 R6
    
```

```

FIND ALL SYSIDS FOR AN RBID.
!
ENTER WITH R11 POINTING TO A
ROUTINE TO BE ENTERED FOR EACH SYSID
EXIT TO R11-1 WHEN ALL SYSIDS HAVE
BEEN FOUND.
    
```

```

GET FIELD FROM CC AND MOVE IT TO
FLD. FLD IS CLEARED TO BLANKS
AND MOVFLD IS ENTERED TO MOVE THE F
    
```

```

*****
MOVE A FIELD FROM A CC TO A
SPECIFIED BUFFER. R6 IS THE ADDR
OF THE END OF THE FIELD, R1 IS THE
    
```

H01 15:40 SEP 08, 1975

2989 02 0084F 38E00001 A
 2990 02 00850 61E00000 A
 2991 02 00851 F8000004 A
 2992
 2993 02 00852
 2994 02 00852 0970008C 03
 2995 02 00853 227052C8
 2996 02 00854 46600007 A
 2997 02 00855 75100006 A
 2998 02 00856 221000FF A
 2999 02 00857 75100007 A
 3000 02 00858 40600000 A
 3001 02 00859 72000007 A
 3002 02 0085A 38100000 A
 3003 02 0085B 46600007 A
 3004 02 0085C 72000007 A
 3005 02 0085D 75000006 A
 3006 02 0085E 0870008C 03
 3007 02 0085F 70200006 A
 3008 02 00860 F8000004 A
 3009
 3010 02 00861
 3011 02 00861 22800866
 3012 02 00862 20B00001 A
 3013 02 00863 221000C1 A
 3014 02 00864 6A400852
 3015 02 00865 69800881
 3016 02 00866 69800846
 3017 02 00867
 3018 02 00867 694007EF
 3019 02 00868 221000F4 A
 3020 02 00869 6A400852
 3021 02 0086A 68E007DD
 3022 02 0086B 6980086D
 3023 02 0086C 691007E6
 3024 02 0086D 21100004 A
 3025 02 0086E 692007E6

SW,R14 R1
 MBS,R14 0
 B *R4

 TRT EQU \$
 PSW,R7 TMPSTK
 LI,R7 BA(TRTBL)
 XW,R6 R7
 STB,R1 R6
 LI,R1 XIFFI
 STB,R1 R7
 TTBS,R6 0
 LB,R0 R7
 SW,R1 R0
 XW,R6 R7
 LB,R0 R7
 STB,R0 R6
 PLW,R7 TMPSTK
 LC R6
 B *R4

BYTE COUNT. R15 IS THE ADDR OF THE DESTINATION BUFFER.

 SEARCH BYTE STRING FOR GIVEN CHARAC TYPE. ENTER WITH MASK IN R1, CUREN POSITION IN R6. EXIT WITH R1= SCAN BYTE COUNT, R6 ADJUSTED TO NEW POSITION AND MASK IN TOP BYTE OF R6 AND DELIMITER BITS IN THE CONDITION CODE. SEE TRTBL FOR EXPLANATION OF MASKS

 PR0CD EQU \$
 LI,R8 PR0CD2=1
 AI,R11 1
 LI,R1 NBMSK
 BAL,R4 TRT
 BCS,E0C ALLRET
 BCS,E0C ALLOUT

 PR0CD2 EQU \$
 BCS,C0MA BADSID1
 LI,R1 NXMSK
 BAL,R4 TRT
 BCR,CEB CHKALL
 BCS,E0C \$*2
 BCS,PAR BADSID

 PR0CD3 CI,R1 \$
 BG BADSID

PROCESS STRINGS OF SYSIDS ON CCS
 ;
 ; ENTERED AS FOLLOWS:
 ;
 ; BAL,11 PR0CD
 ; B END OF SYSIDS
 ; ROUTINE TO PROCESS EACH
 ;
 ; THE CARD IS SCANNED AND THE CALLERS ROUTINE IS ENTERED FOR EACH SYSID FOUND (IF IT IS LEGAL) ILLEGAL SYSIDS ARE FLAGGED IN THE MESSAGE FILE.

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3026	02	0086F	22300010	A	LI,R3	16	
3027	02	00870	6A4007CE		BAL,R4	CVTSID	
3028	02	00871	21C05A5B	A	CI,R12	X'5A5B'	
3029	02	00872	692007E6		BG	BADSID	
3030	02	00873	21C00000	A	CI,R12	0	
3031	02	00874	682007E6		BLE	BADSID	
3032	02	00875	68000818		B	FINDSID	
3033					*****		
3034	02	00876	35B000D9	03	PRDCDA	STW,R11	STATX
3035		02	00877		PRDCD	EQU	\$
3036	02	00877	3290005A	03	LW,R9	FLAGS	
3037	02	00878	2280087D		LI,R8	PRDC1	
3038	02	00879	20B00001	A	AI,R11	1	
3039	02	0087A	221000C1	A	LI,R1	NBMSK	
3040	02	0087B	6A400852		BAL,R4	TRT	
3041	02	0087C	69800896		BCS,EBC	PRDC3	
3042		02	0087D		PRDC1	EQU	\$
3043	02	0087D	69800846		BCS,EBC	ALLOUT	
3044	02	0087E	694007EF		BCS,COMA	BADSID1	
3045	02	0087F	221000E0	A	LI,R1	COBLMSK	
3046	02	00880	6A400852		BAL,R4	TRT	
3047	02	00881	691007E6		BCS,PAR	BADSID	
3048	02	00882	21100002	A	CI,R1	2	
3049	02	00883	692007E6		BG	BADSID	
3050	02	00884	6A400848		BAL,R4	GETFLD	
3051	02	00885	52C0024E	03	LW,R12	FLD	
3052	02	00886	323000D9	03	LW,R3	STATX	
3053	02	00887	69300898		BNEZ	PRDC4	
3054	02	00888	22300000	N	LI,R3	BA(RBBIHOU),BA(STBILNK)	
3055	02	00889	30300005	A	AW,R3	R5	
3056		02	0088A		PRCDX	EQU	\$
3057	02	0088A	72360000	X	LB,R3	STB,LNK,R3	
3058	02	0088B	68300893		BEZ	PRDC4	
3059	02	0088C	73060000	X	MTB,0	STBITYP,R3	
3060	02	0088D	6830088A		BEZ	PRCDX	
3061	02	0088E	51C60000	X	CH,R12	STMNM,R3	
3062	02	0088F	6930088A		BNE	PRCDX	

```

3063      02 00890
3064 02 00890 6A40000B A
3065 02 00891 6800082E
3066 02 00892 680008A9
3067      02 00893
3068 02 00893 6A40089E
3069 02 00894 68000835
3070 02 00895 6800082E
3071      02 00896
3072 02 00896 31901490
3073 02 00897 69400404
3074 02 00898 723A0000 X
3075 02 00899 68300404
3076 02 0089A 68000890
3077      02 0089B
3078 02 0089B 6A40089E
3079 02 0089C 68000835
3080 02 0089D 68000890
3081      02 0089E
3082 02 0089E 22300000 N
3083 02 0089F 71560000 X
3084 02 008A0 683008A3
3085      02 008A1
3086 02 008A1 6430089F
3087 02 008A2 68080000 A
3088 02 008A3 73060000 X
3089 02 008A4 683008A1
3090 02 008A5 51C60000 X
3091 02 008A6 693008A1
3092 02 008A7 68080001 A
3093
3094 02 008A8 22800866
3095      02 008A9
3096 02 008A9 221000C1 A
3097 02 008AA 6A400852
3098 02 008AB 68C007E8
3099      02 008AC
    
```

```

PRDC2 EQU $
      BAL,R4 *R11
      B FSID4
      B COMRET
PRDC4 EQU $
      BAL,R4 GTDVX
      B FSID7
      B FSID4
PRDC3 EQU $
      CW,R9 HASPBIT
      BANZ BADCRD
      LB,R3 RBBIHOU,R5
      BEZ BADCRD
      B PRDC2
PRDCA1 EQU $
      BAL,R4 GTDVX
      B FSID7
      B PRDC2
GTDVX EQU $
      LI,R3 MXSTRM
      CB,R5 SNDDX,R3
      BE $+3
GTDVXX EQU $
      BDR,R3 $*2
      B O,R4
      MTB,0 STBITYP,R3
      BEZ GTDVXX
      CH,R12 STHINM,R3
      BNE GTDVXX
      B I,R4
*****
COMRET1 LI,R8 PRDC2=1 SKIP ACROSS COMMA TO NEXT FIELD
COMRET EQU $
      LI,R1 NBMSK GOES FROM MARK (1) TO MARK
      BAL,R4 TRT
      BCR,COME BADSID2 ...FIELD , FIELD...
COMRET2 EQU $
    
```

```

      !
      !
    
```

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3100	02	008AC	F9800008	A
3101	02	008AD	20600001	A
3102	02	008AE	221000C1	A
3103	02	008AF	6A400852	
3104	02	008B0	F8000008	A
3105		02	008B1	
3106	02	008B1	3310004C	03
3107	02	008B2	68000838	
3108				
3109		02	008B3	
3110	02	008B3	20A00001	A
3111	02	008B4	6A400848	
3112	02	008B5	22400000	N
3113	02	008B6	12C0024E	03
3114	02	008B7	11C01206	
3115	02	008B8	F830000A	A
3116	02	008B9	32400001	N
3117		02	008BA	
3118	02	008BA	11C80000	X
3119	02	008BB	493008BF	
3120	02	008BC	32E01497	
3121	02	008BD	31E80000	X
3122	02	008BE	F940000A	A
3123		02	008BF	
3124	02	008BF	204FFFFF	A
3125	02	008C0	31400000	X
3126	02	008C1	681008BA	
3127	02	008C2	20A00001	A
3128		02	008C3	
3129	02	008C3	22F00939	03
3130	02	008C4	6A400849	
3131	02	008C5	35A000DB	03
3132	02	008C6	7510024E	03
3133		02	008C7	
3134	02	008C7	6AB00C0B	
3135	02	008C8	04101426	
3136	02	008C9	0410141F	

BCS,E0C	*R8	
AI,R6	1	
LI,R1	NBMSK	
BAL,R4	TRY	
B	*R8	
ALLRET	EQU	*
	MTW,1	ALLX
	B	ALL

PR0CID	EQU	*
	AI,R10	1
	BAL,R4	GETFLD
	LI,R4	LCLX
	LD,R12	FLD
	CD,R12	TLCL
	BF	*R10
	LW,R4	RBLIMS+1
PRIDCO	EQU	*
	CD,R12	RBD;WSN,R4
	BNE	PRIDC
	LW,R14	IDUBTS
	CW,R14	RBIFLAG,R4
	BANZ	*R10
PRIDC	EQU	*
	AI,R4	=1
	CW,R4	RBLIMS
	BGE	PRIDCO
	AI,R10	1
PIDO	EQU	*
	LI,R15	BA(FLD)+1
	BAL,R4	GETFLD+1
	STW,R10	SV10
	STB,R1	FLD
PID1	EQU	*
	BAL,R11	SVIV
	CAL,1	0PNXX
	CAL,1	RDXX

IF IMPROPERLY DELIMITED FIELDS ARE FOUND THE ARE MARKED (*) AND THE NEXT FIELD IS FOUND.

SET ALL FLAG AND GO TO ALL IF ALL IS SPECIFIED OR IMPLIED ON THE CC.

PROCESS WSN ON CC.

ENTERED AS FOLLOWS:

BAL,10 PR0CID
 B BAD WSN
 B WSN IS LOCAL, OR CO
 RBID IS IN R15 RECORD IS IN

AND R1 IS THE BYTE COUNT. THE WSN CHECKED TO SEE IF IT IS LOCAL OR ALL

DCT INDEX OF THE LOGGED ON RBT IN R

OTHERWISE A KEYED READ IS DONE ON USING THE WSN AS THE KEY. IF THE RECORD IS SUCCESSFUL THE RBID IS PUT IN R15 AND THE PROGRAM EXITS. IF NOT AND THE ERROR CODE IS (NO RECORD WITH THAT KEY), THE ERROR IS TAKEN. THE OPERATOR IS INFORMED UNEXPECTED ERROR CODES.


```

3174 02 008DE 680008CC
3175
3176 02 008DF 22D0000A A
3177 02 008DF 22D0000A A
3178 02 008E0 680008E2
3179 02 008F1
3180 02 008E1 22D00010 A
3181 02 008E2 35D00055 03
3182 02 008E3 22D00000 A
3183 02 008F4
3184 02 008E4 22E00000 A
3185 02 008E5 36E00055 03
3186 02 008E6 21E0000A A
3187 02 008E7 681008E9
3188 02 008E8 20E00039 A
3189 02 008E9 20E000B7 A
3190 02 008EA 25D00078 A
3191 02 008EB 75E0000D A
3192 02 008EC 21F00000 A
3193 02 008ED 692008E4
3194 02 008EE 21D00040 A
3195 02 008EF 694008F2
3196 02 008F0 25D00078 A
3197 02 008F1 680008EE
3198 02 008F2 49D01288
3199 02 008F3 F800000B A
3200
3201 02 008F4
3202 02 008F4 20600005 A
3203 02 008F5 221000C1 A
3204 02 008F6 6A400852
3205 02 008F7 69C00983
3206 02 008F8 221000F8 A
3207 02 008F9 6A400852
3208 02 008FA 68E00983
3209 02 008FB 21100008 A
3210 02 008FC 69200983

```

```

B PIDN*1
*****!
DEC EQU $
LI,R13 10
B $+2
HEXC EQU $
LI,R13 16
STW,R13 CVT
LI,R13 0
DH1 EQU $
LI,R14 0
DW,R14 CVT
CI,R14 10
BGE $+2
AI,R14 '0'-'A'+10
AI,R14 'A'-10
SLS,R13 =8
STB,R14 R13
CI,R15 0
BG DH1
CI,R13 X'40'
BANZ $+3
SLS,R13 =8
B $+3
OR,R13 80BLNK+1
B *R11
*****!
PROCJOB EQU $
AI,R6 5
LI,R1 NBMSK
BAL,R4 TRT
BCS,COME BADXIT
LI,R1 NNMSK
BAL,R4 TRT
BCR,CEB BADXIT
CI,R1 8
BG BADXIT

```

```

CONVERT A BINARY NUMBER TO EITHER DEC
OR HEX EBCDIC. THE NUMBER TO CONVE
IS IN R15 THE CONVERTED NUMBER RIGH
ADJUSTED BLANK PADDED IS IN R13 ON E
PROCESS JOB COMMAND
;
GET THE NAME, ACCOUNT, PRIORITY, AND W
FIELDS AND TYPE THEM WITH THE SYSID
THE OPERATORS CONSOLE. SKIP OVER TI
EXTENDED ACCOUNTING IF PRESENT.
IF THE JOB IS REMOTE CHECK FOR MAX I
AND ISYS ACCOUNT. IF ANYTHING BUT
MAX PRI0 IS IN ERROR PUT A MESSAGE
MESSAGE FILE AND SET THE ABORT FLAG

```

W01 15:40 SEP 08, 175
 3211 02 008FD 6A400848
 3212 02 008FE 12C0024E 03
 3213 02 008FF 11C01208
 3214 02 00900 69300909
 3215 02 00901 21500000 N
 3216 02 00902 68300909
 3217 02 00903 3290005A 03
 3218 02 00904 21901000 A
 3219 02 00905 69400909
 3220 02 00906 2210135D
 3221 02 00907 22B00446
 3222 02 00908 68000759
 3223 02 00909 00909 PJ1
 3224 02 00909 3220004B 03
 3225 02 0090A 15C40000 X
 3226 02 0090B 22300000 A
 3227 02 0090C 52F00054 03
 3228 02 0090D 68300915
 3229 02 0090E 22300001 A
 3230 02 0090F 21F00000 N
 3231 02 00910 68200912
 3232 02 00911 22300002 A
 3233 02 00912 6AB008E1
 3234 02 00913 12E013FA
 3235 02 00914 61E00000 A
 3236 02 00915 00915 PJ3
 3237 02 00915 12E613F2
 3238 02 00916 61E00000 A
 3239 02 00917 6A40084D
 3240 02 00918 6A40097E
 3241 02 00919 6A8008A9
 3242 02 0091A 69800983
 3243 02 0091B 221000F8 A
 3244 02 0091C 6A400852
 3245 02 0091D 68E00983
 3246 02 0091E 2110000C A
 3247 02 0091F 69200983

BAL,R4 GETFLD
 LD,R12 FLD
 CD,R12 SYS
 BNE PJ1
 CI,R5 LCLX
 BE PJ1
 LW,R9 FLAGS
 CI,R9 SYSBIT
 BANZ PJ1
 LI,R1 NOSYS
 LI,R11 LSTSECT
 B MOVEMES
 EQU *
 LW,R2 ADDX
 STD,R12 BDIACCT,R2
 LI,R3 0
 LH,R15 CURSID
 BEZ PJ3
 LI,R3 1
 CI,R15 SMUIS
 BLE *+2
 LI,R3 2
 BAL,R11 HEXC
 LD,R14 SIDPTR
 MBS,R14 0
 EQU *
 LD,R14 JBMS,R3
 MBS,R14 0
 BAL,R4 MOVFLD
 BAL,R4 COMEDIT
 BAL,R8 COMRET
 BCS,E0C BADXIT
 LI,R1 NNMSK
 BAL,R4 TRT
 BCR,CEB BADXIT
 CI,R1 12
 BG BADXIT

169
 ACCOUNT IS PUT IN BDIACCT AND THE PH
 SAVED TO USE ADDING THE FILE LATER.
 THE JOB CAME FROM JOBERT THE ORIGON
 IN THE TOP BYTE OF CURSID AND AN APP
 PRIATE JOB MESSAGE IS CHOSEN.

3248	02	00920	6A40084D	
3249	02	00921	6A40097E	
3250	02	00922	22E00848	03
3251	02	00923	30F00000	X
3252	02	00924	61E00000	A
3253	02	00925	6A40097E	
3254	02	00926	221000DF	A
3255	02	00927	6A400852	
3256	02	00928	68D00983	
3257	02	00929	6810092C	
3258	02	0092A	221000C0	A
3259	02	0092B	6A400852	
3260	02	0092C	6A8008A9	
3261	02	0092D	6980097A	
3262	02	0092E	221000F4	A
3263	02	0092F	6A400852	
3264	02	00930	68E00983	
3265	02	00931	21100001	A
3266	02	00932	69200983	
3267	02	00933	6910097A	
3268	02	00934	206FFFFF	A
3269	02	00935	723C0000	A
3270	02	00936	20600001	A
3271	02	00937	203FFF10	A
3272	02	00938	6810093A	
3273	02	00939	20300039	A
3274	02	0093A	6A40084D	
3275	02	0093B	21500000	N
3276	02	0093C	68300941	
3277	02	0093D	713A0000	X
3278	02	0093E	68200941	
3279	02	0093F	723A0000	X
3280	02	00940	73100003	A
3281		02 00941		
3282	02	00941	353000D1	03
3283	02	00942	6A8008A9	
3284	02	00943	6980094B	

PRIN

BAL,R4	MOVFLD
BAL,R4	COMEDIT
LI,R14	BA(RB,10BM,1)
AW,R15	Y04
MBS,R14	0
BAL,R4	COMEDIT
LI,R1	NBPMSK
BAL,R4	TRT
BCR,CEP	BADXIT
BCR,PAR	*+3
LI,R1	COMMSK
BAL,R4	TRT
BAL,R8	COMRET
BCS,E0C	DFLTPRI
LI,R1	NXMSK
BAL,R4	TRT
BCR,CEB	BADXIT
CI,R1	1
BG	BADXIT
BI	DFLTPRI
AI,R6	*1
LB,R3	0,R6
AI,R6	1
AI,R3	*101
BGEZ	*+2
AI,R3	'01'-'A'+10
BAL,R4	MOVFLD
CI,R5	LCLX
BF	PRIN
CB,R3	RBBIMXP,R5
BLE	PRIN
LB,R3	RBBIMXP,R5
MTB,1	R3
EQU	\$
STW,R3	PRI0
BAL,R8	COMRET
BCS,E0C	JOB0N

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3322	02	00959	68000B60	
3323		02 0095A		
3324	02	0095A	22100018	A
3325	02	0095B	75100051	03
3326	02	0095C	330000C7	03
3327	02	0095D	6830095F	
3328	02	0095E	3310004A	03
3329	02	0095F	6A40040A	
3330		02 00960		
3331	02	00960	7210000E	A
3332	02	00961	2110005A	A
3333	02	00962	6930098B	
3334	02	00963	11E011FC	
3335	02	00964	6830040A	
3336	02	00965	33000052	03
3337	02	00966	68300969	
3338	02	00967	33F00052	03
3339	02	00968	68000971	
3340	02	00969	25E00108	A
3341	02	0096A	31E01210	
3342	02	0096B	68300971	
3343	02	0096C	31E0120E	
3344	02	0096D	6930098B	
3345	02	0096E	25E00110	A
3346	02	0096F	31E0120F	
3347	02	00970	6930098B	
3348	02	00971	21500000	N
3349	02	00972	69300974	
3350	02	00973	6AB0079C	
3351	02	00974	3220004B	03
3352	02	00975	2240146F	
3353	02	00976	2210147F	
3354	02	00977	22A0095C	
3355	02	00978	22B00C74	
3356	02	00979	68000564	
3357				
3358		02 0097A		

RESLIM	B	TELEOP
	EQU	*
	LI,R1	RESCOM
	STB,R1	COM
	MTW,0	MRKD
	BEZ	*+2
	MTW,1	ABORT
	BAL,R4	NXTCC
RSL1	EQU	*
	LB,R1	R14
	CI,R1	1 1
	BNE	PJDN
	CD,R14	PASSWORD
	BE	NXTCC
	MTW,0	CONT
	BEZ	*+3
	MTW,-1	CONT
	B	D0RES
	SLD,R14	8
	CW,R14	RES
	BE	D0RES
	CW,R14	LIMIT1
	BNE	PJDN
	SLD,R14	16
	CW,R14	LIMIT2
	BNE	PJDN
D0RES	CI,R5	LCLX
	BNE	*+2
	BAL,R11	MOVECC
	LW,R2	ADDX
	LI,R4	RESOPTS
	LI,R1	RESPTR
	LI,R10	RESLIM*2
	LI,R11	CHKRS
	B	PRBCOP

DFLT PRI EQU *

PROCESS RES AND LIMIT COMMANDS

PROCESS THE COMMAND BY BALING TO PRI
 IF ERRORS ARE FLAGGED SET THE ABORT
 IF THE JOB IS LOCAL LIST ALL CCS IN
 MESSAGE FILE. WHEN OUT OF THESE CCS
 PJDN.

IF NO PRIORITY IS SPECIFIED ON THE

H01 15:40 SEP 08, '75

3396 02 0098F F2D20071 03
 3397 02 00990 48D00000 X
 3398 02 00991 55D20062 03
 3399 02 00992 6410098F
 3400 02 00993 72440000 X
 3401 02 00994 53180062 03
 3402 02 00995 52240000 X
 3403 02 00996 69300993
 3404 02 00997 22400000 N
 3405 02 00998
 3406 02 00998 52D80062 03
 3407 02 00999 51D80000 X
 3408 02 0099A 682009A0
 3409 02 0099B 52B80000 X
 3410 02 0099C 55B0023D 03
 3411 02 0099D 2210023C 03
 3412 02 0099E 6AB00759
 3413 02 0099F 35B0004A 03
 3414 02 009A0
 3415 02 009A0 64400998
 3416 02 009A1
 3417 02 009A1 3300004A 03
 3418 02 009A2 69300985
 3419 02 009A3 32E000D1 03
 3420 02 009A4 F5E00071 03
 3421 02 009A5 6AB001EE
 3422 02 009A6 6AB00000 X
 3423 02 009A7 33100000 X
 3424 02 009A8 6AB009C9
 3425 02 009A9 51D40000 X
 3426 02 009AA 694009AD
 3427 02 009AB 2240134D
 3428 02 009AC 6AB00B68
 3429
 3430
 3431
 3432

PJDN3

PJDN2

NOSH

LB,R13 *BADRS,R1
 AND,R13 M7
 STH,R13 BSL,CRES,R1
 BDR,R1 *3
 LB,R4 S#BITYP,R2
 MTH,1 BSL,CRES,R4
 LH,R2 S#HILNK,R2
 BNEZ *3
 LI,R4 SV:RSJZ
 EQU \$
 LH,R13 BSL,CRES,R4
 CH,R13 SH:RTOT,R4
 BLE PJDN2
 LH,R11 SH:RNM,R4
 STH,R11 TXRLE+1
 LI,R1 TXRLE
 BAL,R11 MOVEMES
 STW,R11 ABORT
 EQU \$
 BDR,R4 PJDN3
 EQU \$
 MTW,0 ABORT
 BNEZ JOBABRT
 LW,R14 PRI0
 STB,R14 *BADRS
 BAL,R8 ADDJOB
 BAL,R11 MBSOP
 MTW,1 SIBFIS
 BAL,R8 PRCK
 CH,R13 BHIPART,R2
 BANZ *+3
 LI,R4 NRMES
 BAL,R8 TEL#OP1

IF THE ABORT FLAG IS SET GO TO JOBAI
 IF NOT PUT THE ENTRY ON THE APPROPRIATE
 PRIORITY CHAIN, SET THE BITS IN BH:IP
 (MBSOP), AND BUMP SIBFIS.
 IF THE JOB IS LOCAL RELEASE THE MES

MESSAGE: *ABOVE JOB NEEDS PARTITION CHANGE

*
 *
 0
 0

3470 02 009BA 6AB00759
 3471 02 009BB 21500000 N
 3472 02 009BC 69300446
 3473 02 009BD 6A800D21
 3474 02 009BE
 3475 02 009BE 22E00023 A
 3476 02 009BF 6A8001EE
 3477 02 009C0
 3478 02 009C0 22600000 A
 3479 02 009C1 35600057 03
 3480 02 009C2 3560004A 03
 3481 02 009C3 35600052 03
 3482 02 009C4 3560004F 03
 3483 02 009C5 466000D8 03
 3484 02 009C6 68300020
 3485 02 009C7 22400020
 3486 02 009C8 68000D12
 3487
 3488 02 009C9
 3489 02 009C9 22300000 N
 3490 02 009CA 22D00000 A
 3491 02 009CB 22E00001 A
 3492 02 009CC 51E60000 X
 3493 02 009CD 694009CF
 3494 02 009CE 49D60000 X
 3495 02 009CF 643009CC
 3496 02 009D0 F8000008 A
 3497 02 009D1
 3498 02 009D1 52E40000 X
 3499 02 009D2 693009D7
 3500 02 009D3 52E40000 X
 3501 02 009D4 F8300008 A
 3502 02 009D5 22F00000 A
 3503 02 009D6 55F40000 X
 3504 02 009D7
 3505 02 009D7 52F00000 X
 3506 02 009D8 55E00000 X

DELJOB
 AIFOUT

 PRYCK
 ABR5#
 ABS#1

BAL,R11
 CI,R5
 BNE
 BAL,R8
 EQU
 LI,R14
 BAL,R8
 EQU
 LI,R6
 STW,R6
 STW,R6
 STW,R6
 STW,R6
 XW,R6
 BEZ
 LI,R4
 B
 EQU
 LI,R3
 LI,R13
 LI,R14
 CH,R14
 BAN2
 BR,R13
 BDR,R3
 B
 EQU
 LH,R14
 BNEZ
 LH,R14
 BEZ
 LI,R15
 STH,R15
 EQU
 LH,R15
 STH,R14

MOVEMES
 LCLX
 LSTSECT
 WMF
 \$
 DELPRI
 ADDJOB
 \$
 O
 FINFLG
 ABORT
 CONT
 ARSO
 SECT
 CTR1
 CTR1
 FRE256
 \$
 LPART
 O
 1
 PLHIFLG,R3
 *+2
 BT3,TO,R3
 *+3
 *R8
 \$
 BH,SLNK,R2
 ABS#1
 BH,XLNK,R2
 *R8
 O
 BH,XLNK,R2
 \$
 S#H,LNK
 S#H,LNK

RELEASE BAD JOB FILE
 I
 CHAIN THE ENTRY TO THE DELETE CHAIN

 CLEAN UP AFTER PROCESSING AN INPUT
 AND RELEASE THE DISC BUFFER.

PARTITION LOCK FLAG

RELEASE THE SERIAL NUMBER ENTRIES FROM AN INPUT FILE ENTRY.

```

3507 02 009D9 3230000E A
3508 02 009DA 52E60000 X
3509 02 009DB 693009D9
3510 02 009DC 55F60000 X
3511 02 009DD 680009D3
3512
3513      02 009DE
3514 02 009DE 3590005A 03
3515 02 009DF 6AB00C0B
3516 02 009E0 32B000D3 03
3517 02 009E1 69300000 X
3518 02 009E2 32EE0002 A
3519 02 009E3 25E00002 A
3520 02 009E4 32F011F0
3521 02 009E5 61E00000 A
3522 02 009E6 32EE0002 A
3523 02 009E7 6AB00000 X
3524 02 009E8 35B000DC 03
3525 02 009E9 22600000 A
3526 02 009EA 31901491
3527 02 009EB 69400B1D
3528 02 009EC 31901490
3529 02 009ED 684009FC
3530 02 009EE 22600005 A
3531 02 009EF 722C02AC 03
3532 02 009F0 212000F0 A
3533 02 009F1 69300B2F
3534 02 009F2 22600006 A
3535 02 009F3 722C02AC 03
3536 02 009F4 212000C1 A
3537 02 009F5 69300B2F
3538 02 009F6 22600007 A
3539 02 009F7 721C02AC 03
3540 02 009F8 122002AE 03
3541 02 009F9 25200178 A
3542 02 009FA 75100002 A
3543 02 009FB 680009FD
    
```

```

LW,R3 R14
LW,R14 S#H,LNK,R3
BNEZ #=2
STH,R15 S#H,LNK,R3
B ABR#=#2
*****
RB,LRR EQU $
STW,R9 FLAGS
BAL,R11 SVIV
LW,R11 RCVRFLG
BNEZ LRRCVR
LW,R14 2,R7
SLS,R14 2
LW,R15 IDPR
MBS,R14 0
LW,R14 2,R7
BAL,R11 RMB
STW,R11 SVZ
LI,R6 0
CW,R9 2780BIT
BANZ 27LRR
CW,R9 HASPBIT
BAZ LRR4
LI,R6 5
LB,R2 ID,R6
CI,R2 XIF01
BNE NOTID
LI,R6 6
LB,R2 ID,R6
CI,R2 1A1
BNE NOTID
LI,R6 7
LB,R1 ID,R6
LD,R2 ID*2
SLD,R2 =8
STB,R1 R2
B LRR3
    
```

```

REMOTE BATCH LOGON RECORD RECEIVED
1
GET THE RECORD FROM THE MONITOR BUFFER
AND RELEASE IT. CHECK TO BE SURE THAT
IS AN RBID COMMAND. IF NOT PRINT AN
ERROR MESSAGE. GET THE WSN AND IF
SYNTACTICALLY (SIC) BAL TO PROCID TO
IT. IF NOT O.K. PRINT AN ERROR MESSAGE
OTHERWISE GET THE INFO FROM THE RECORD
AND PUT IT WHERE IT BELONGS. THEN PRINT
A MESSAGE FILE TO TEL THE USER THAT
IS LOGGED ON AND INCLUDE THE STATUS
    
```

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3544		02	009FC		
3545	02	009FC	122002AC	03	
3546		02	009FD		
3547	02	009FD	22100008	A	
3548	02	009FE	751C02C0	03	
3549	02	009FF	20600008	A	
3550	02	00A00	112013F0		
3551	02	00A01	68300A06		
3552	02	00A02	206FFFFD	A	
3553	02	00A03	4B300000	X	
3554	02	00A04	112013EE		
3555	02	00A05	69300B2F		
3556		02	00A06		
3557	02	00A06	20600AB0	03	
3558	02	00A07	221000C1	A	
3559	02	00A08	6A400852		
3560	02	00A09	69E00B31		
3561	02	00A0A	221000F8	A	
3562	02	00A0B	6A400852		
3563	02	00A0C	68E00B31		
3564	02	00A0D	21100008	A	
3565	02	00A0E	69200B31		
3566	02	00A0F	6AA008B3		
3567	02	00A10	68000B31		
3568	02	00A11	68000B33		
3569		02	00A12		
3570	02	00A12	32D01499		
3571	02	00A13	32CA0000	X	
3572	02	00A14	45C00253	03	
3573	02	00A15	68300A26		
3574	02	00A16	31D00253	03	
3575	02	00A17	68400B31		
3576	02	00A18	31C01494		
3577	02	00A19	68400B31		
3578	02	00A1A	22100001	A	
3579	02	00A1B	32A01491		
3580	02	00A1C	31A00253	03	

LRR4

LRR3

LRR5

LRR2

EQU	*
LD,R2	ID
EQU	*
LI,R1	EBC
STB,R1	ID*20,R6
AI,R6	*
CD,R2	TSGBN
BE	LRR5
AI,R6	S=8
AND,R3	YFFFF
CD,R2	TRBID
BNE	NOTID
EQU	*
AI,R6	BA(ID)
LI,R1	NBMSK
BAL,R4	TRT
BCS,CEB	ILID
LI,R1	NNMSK
BAL,R4	TRT
BCR,CEB	ILID
CI,R1	*
BG	ILID
BAL,R10	PRBCID
B	ILID
B	SAMID
EQU	*
LW,R13	BSCBTS
LW,R12	RBIFLAG,R5
CS,R12	FLG+REC
BE	LRR9
CW,R13	FLG+REC
BAZ	ILID
CW,R12	AL*DCBIT
BAZ	ILID
LI,R1	1
LW,R10	2780BIT
CW,R10	FLG+REC

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3581 02 00A1D 69400A1F
 3582 02 00A1E 22100000 A
 3583 02 00A1F 12A211FE
 3584 02 00A20 68300B31
 3585 02 00A21 35AA0000 X
 3586 02 00A22 35BA0000 X
 3587 02 00A23 32C21490
 3588 02 00A24 47CA0000 X
 3589 02 00A25 47C0005A 03
 3590 02 00A26
 3591 02 00A26 75FA0000 X
 3592 02 00A27 72100256 03
 3593 02 00A28 751A0000 X
 3594 02 00A29 7210025A 03
 3595 02 00A2A 751A0000 X
 3596 02 00A2B 32F00253 03
 3597 02 00A2C 47F0005A 03
 3598 02 00A2D 47FA0000 X
 3599 02 00A2E 22100000 A
 3600 02 00A2F
 3601 02 00A2F 22F00002 A
 3602 02 00A30 72300000 X
 3603 02 00A31 68300B48
 3604 02 00A32 72A60000 X
 3605 02 00A33 68300A37
 3606 02 00A34 048011E4
 3607 02 00A35 64F00A32
 3608 02 00A36 68000B5A
 3609 02 00A37
 3610 02 00A37 75560000 X
 3611 02 00A38 72A60000 X
 3612 02 00A39 75A00000 X
 3613 02 00A3A 22B00000 N
 3614 02 00A3B 52F2025E 03
 3615 02 00A3C 55F60000 X
 3616 02 00A3D 72E20266 03
 3617 02 00A3E 31E0025D 03

LRR9

SET*STRM

SS01

BAN2 *+2
 LI,R1 0
 LD,R10 HNDL,R1
 BEZ ILID
 STW,R10 DCT8,R5
 STW,R11 DCT9,R5
 LW,R12 TBT5,R1
 STS,R12 RBIFLAG,R5
 STS,R12 FLAGS
 EQU *
 STB,R15 RBB,LD,R5
 LB,R1 MXPRI+REC
 STB,R1 RBB:MXP,R5
 LB,R1 REC+RMT#
 STB,R1 RBB:DSM,R5
 LW,R15 FLG+REC
 STS,R15 FLAGS
 STS,R15 RBIFLAG,R5
 LI,R1 0
 EQU *
 LI,R15 2
 LB,R3 STB:LNK
 BEZ N0*STRM
 LB,R10 SSIG,R3
 BEZ SS01
 CAL1,8 WAIT
 BDR,R15 *+3
 B N0*STRM5
 EQU *
 STB,R5 SNDDX,R3
 LB,R10 STB:LNK,R3
 STB,R10 STB:LNK
 LI,R11 RBB:HF
 LW,R15 REC+NMTBL,R1
 STH,R15 STH:NM,R3
 LB,R14 REC+RCBTBL,R1
 CW,R14 REC,SMD

I'M ASHAMED OF THIS

```

3618 02 00A3F 69300A41
3619 02 00A40 753A0000 X
3620 02 00A41 75E60000 X
3621 02 00A42 72F20282 03
3622 02 00A43 21E00006 A
3623 02 00A44 69300A46
3624 02 00A45 75FA0000 X
3625 02 00A46 21E00005 A
3626 02 00A47 69300A49
3627 02 00A48 75FA0000 X
3628 02 00A49 52F2027A 03
3629 02 00A4A 55F60000 X
3630 02 00A4B 52F2026A 03
3631 02 00A4C 21F00002 A
3632 02 00A4D 68400A54
3633 02 00A4E 22D00006 A
3634 02 00A4F 22B00000 N
3635 02 00A50 31E0025D 03
3636 02 00A51 69300A5C
3637 02 00A52 35B0004F 03
3638 02 00A53 68000A5C
3639 02 00A54
3640 02 00A54 22D00001 A
3641 02 00A55 21F00001 A
3642 02 00A56 69400A59
3643 02 00A57 22D00082 A
3644 02 00A58 52A20272 03
3645 02 00A59 21F08000 A
3646 02 00A5A 68400A5C
3647 02 00A5B 20D00004 A
3648 02 00A5C
3649 02 00A5C 21F01000 A
3650 02 00A5D 68400A5F
3651 02 00A5E 20D00010 A
3652 02 00A5F 21A00040 A
3653 02 00A60 68400A62
3654 02 00A61 20D00040 A
    
```

STRM1

STRM2

```

BNE $+2
STB,R3 RBB;SMD,R5
STB,R14 STB;TYP,R3
LB,R15 REC+MX;TBL,R1
CI,R14 6
BNE $+2
STB,R15 RBB;LPZ,R5
CI,R14 5
BNE $+2
STB,R15 RBB;CPZ,R5
LH,R15 REC+SUSTBL,R1
STH,R15 STH;SUS,R3
LH,R15 REC+F1;TBL,R1
CI,R15 0CBIT
BAZ STRM1
LI,R13 6
LI,R11 RBB;HQU
CW,R14 REC+SMD
BNE STRM2
STW,R11 ARSB
B STRM2
EQU $
LI,R13 X'11'
CI,R15 INBIT
BANZ $+3
LI,R13 X'821'
LH,R10 REC+F2;TBL,R1
CI,R15 XSETBIT
BAZ STRM2
AI,R13 4
EQU $
CI,R15 X'10001'
BAZ $+2
AI,R13 X'101'
CI,R10 X'401'
BAZ $+2
AI,R13 X'401'
    
```

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3655 02 00A62 48F00000 X
 3656 02 00A63 3290005A 03
 3657 02 00A63 31901490
 3658 02 00A64 68400A67
 3659 02 00A65 20D00008 A
 3660 02 00A66 75D60000 X
 3661 02 00A67 55F60000 X
 3662 02 00A68 22F00000 A
 3663 02 00A69 35F60000 X
 3664 02 00A6A 72F2028E 03
 3665 02 00A6B 75F60000 X
 3666 02 00A6C F2EA0008 A
 3667 02 00A6D 75E60000 X
 3668 02 00A6E F53A0008 A
 3669 02 00A6F 20100001 A
 3670 02 00A70 3110025C 03
 3671 02 00A71 68200A2F
 3672 02 00A72 12000292 03
 3673 02 00A73 68300A7A
 3674 02 00A74 02200000 A
 3675 02 00A75 0800008C 03
 3676 02 00A76 6AA00000 X
 3677 02 00A77 02200000 A
 3678 02 00A78 0A00008C 03
 3679 02 00A79 00A7A 00A7A
 3680 02 00A7A 3290005A 03
 3681 02 00A7B 31901499
 3682 02 00A7C 69400A80
 3683 02 00A7D 72B00294 03
 3684 02 00A7E 35BA0000 X
 3685 02 00A7F 68000AFC
 3686 02 00A80 6AB00C0B
 3687 02 00A81 32B000D3 03
 3688 02 00A82 6930084A
 3689 02 00A83 00A83

STRM15

STRM3

GRBPGR

GRBPG

AND,R15 M15
 EQU *
 LW,R9 FLAGS
 CW,R9 HASPBIT
 BAZ *+2
 AI,R13 8
 STB,R13 SYMX,R3
 STH,R15 STH,FLG,R3
 LI,R15 0
 STW,R15 STW,FORM,R3
 LB,R15 REC+DPDTBL,R1
 STB,R15 STB:DPD,R3
 LB,R14 *R11,R5
 STB,R14 STB:LNK,R3
 STB,R3 *R11,R5
 AI,R1 1
 CW,R1 REC+#STRM
 BLE SET,STRM
 LD,R0 REC+GJOB
 BEZ STRM3
 LCI 0
 PSM,R0 TMPSTK
 BAL,R10 TIGJOBSTRY
 LCI 0
 PLM,R0 TMPSTK
 EQU *
 LW,R9 FLAGS
 CW,R9 BSCBTS
 BANZ GRBPGR
 LB,R11 REC+RTY
 STW,R11 RBIBUF,R5
 B LRR1
 EQU *
 BAL,R11 SVIV
 LW,R11 RCVRFLG
 BNEZ NO*STRM1
 EQU *

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3692	02	00A83	6AB00000	X
3693	02	00A84	20300000	A
3694	02	00A85	69200A8F	
3695	02	00A86	68300A8C	
3696	02	00A87	6D000037	A
3697	02	00A88	66300000	X
3698	02	00A89	69100A8B	
3699	02	00A8A	35300000	X
3700	02	00A8B	6D000027	A
3701	02	00A8C		
3702	02	00A8C	048011E2	
3703	02	00A8D	048011E3	
3704	02	00A8E	68000A83	
3705	02	00A8F		
3706	02	00A8F	353A0000	X
3707	02	00A90	353000F0	03
3708	02	00A91	737000F0	03
3709	02	00A92	048000F0	03
3710	02	00A93	68800A96	
3711	02	00A94	048011E7	
3712	02	00A95	68000A92	
3713	02	00A96	321011F5	
3714	02	00A97	61000000	03
3715	02	00A98	72100294	03
3716	02	00A99	35110025	A
3717	02	00A9A	22100000	A
3718	02	00A9B	3290005A	03
3719	02	00A9C	31901491	
3720	02	00A9D	68400AB5	
3721	02	00A9E	20300100	A
3722	02	00A9F	2240001E	A
3723	02	00AA0	31901492	
3724	02	00AA1	69400AA9	
3725	02	00AA2	22400000	A
3726	02	00AA3	6D000037	A
3727	02	00AA4	32800000	X
3728	02	00AA5	35300000	X

GRPG1

PG8K

BAL,R11	TISTLPP
AI,R3	0
BGZ	PG8K
BEZ	GRPG1
WD,0	X'37'
AWM,R3	\$ISTLC
BLZ	*+2
STW,R3	\$,STLC
WD,0	X'27'
EQU	\$
CAL1,8	GTRG
CAL1,8	FREPG
B	GRBPG
EQU	\$
STW,R3	RB,BUF,R5
STW,R3	SAD
MTB,7	SAD
CAL1,8	SAD
BCR,8	*+3
CAL1,8	FVP
B	*-3
LW,R1	ZERPTR
MBS,0	ZERO
LB,R1	REC+RTY
STW,R1	VP+RTRY
LI,R1	0
LW,R9	FLAGS
CW,R9	2780BIT
BAZ	H,STCXT
AI,R3	X'100'
LI,R4	37BUFDIF
CW,R9	3780BIT
BANZ	80*ST2
LI,R4	0
WD,0	X'37'
LW,R8	SP88L
STW,R3	SP88L

IF WE DIDN'T GET IT
MUST NOT HAVE FREED IT
OR LETS SEE DUMP OF LOOP

•
•
•

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3729	02	00AA6	35810100	A
3730	02	00AA7	6D000027	A
3731	02	00AA8	68000AAB	
3732		02 00AA9		
3733	02	00AA9	22E0001E	A
3734	02	00AAA	35E1000D	A
3735		02 00AAB		
3736	02	00AAB	35190094	A
3737	02	00AAC	203FFF26	A
3738	02	00AAD	35310003	A
3739	02	00AAE	2030006E	A
3740	02	00AAF	30300004	A
3741	02	00AB0	35310026	A
3742	02	00AB1	33110024	A
3743	02	00AB2	72100257	03
3744	02	00AB3	3511001F	A
3745	02	00AB4	68000AFA	
3746		02 00AB5		
3747	02	00AB5	351100B7	A
3748	02	00AB6	35110193	A
3749	02	00AB7	35110049	A
3750	02	00AB8	2030004A	A
3751	02	00AB9	35310007	A
3752	02	00ABA	2030006D	A
3753	02	00ABB	35310003	A
3754	02	00ABC	2030006E	A
3755	02	00ABD	35310002	A
3756	02	00ABE	2030006E	A
3757	02	00ABF	35310125	A
3758	02	00ACO	22300002	A
3759	02	00AC1	35310015	A
3760	02	00AC2	32D0025B	03
3761	02	00AC3	35D1000D	A
3762	02	00AC4	22F001F8	A
3763	02	00AC5	66FA0000	X
3764	02	00AC6	22000000	N
3765	02	00AC7	22F00000	A

	STW,R8	VP+X'100'	
	WD,0	X'27'	
	B	80*ST1	.
80*ST2	EQU	*	.
	LI,R14	IRS	.
	STW,R14	VP+8CRCB	.
80*ST1	EQU	*	.
	STW,R1	VP+SPB+BUFSZ,R4	.
	AI,R3	SPB-X'100'	
	STW,R3	VP+HRB	
	AI,R3	BUFSZ	
	AW,R3	R4	
	STW,R3	VP+SPB	
	MTW,1	TTY+VP	
	LB,R1	REC+BUFX	
	STW,R1	VP+CONTCK	
	B	LRR10	
H*STCXT	EQU	*	
	STW,R1	VP+BUF2	
	STW,R1	VP+BUF4	
	STW,R1	VP+BUF1	
	AI,R3	BUF1+1	
	STW,R3	VP+CRB	
	AI,R3	BUFSZ=1	
	STW,R3	VP+HRB	
	AI,R3	BUFSZ	
	STW,R3	VP+HBB	
	AI,R3	BUFSZ	
	STW,R3	VP+BUF3	
	LI,R3	ARFCN	
	STW,R3	VP+CFC	
	LW,R13	REC+8CIN	
	STW,R13	VP+8CRCB	
	LI,R15	ACTBIT=LIPBIT	
	AWM,R15	RB:FLAG,R5	
	LI,R0	ML*CTL	
	LI,R15	0	

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3766	02	00AC8	31901494	
3767	02	00AC9	68400AF4	
3768	02	00ACA	31900000	X
3769	02	00ACB	69400ACE	
3770	02	00ACC	32C01230	
3771	02	00ACD	68000AF5	
3772		02 00ACE		
3773	02	00ACE	323A0000	X
3774	02	00ACF	20300194	A
3775	02	00AD0	35310008	A
3776	02	00AD1	35F10125	A
3777	02	00AD2	1220120A	
3778	02	00AD3	61200000	A
3779	02	00AD4	1220120C	
3780	02	00AD5	61200000	A
3781	02	00AD6	32100295	03
3782	02	00AD7	68300ADA	
3783	02	00AD8	22200A54	03
3784	02	00AD9	68000AE5	
3785	02	00ADA	12201202	
3786	02	00ADB	3210025A	03
3787	02	00ADC	48100000	X
3788	02	00ADD	68300AE0	
3789	02	00ADE	322011F4	
3790	02	00ADF	55100173	03
3791	02	00AE0	61200000	A
3792	02	00AE1	22200960	03
3793	02	00AE2	323011F2	
3794	02	00AE3	61200000	A
3795	02	00AE4	2220056B	03
3796		02 00AE5		
3797	02	00AE5	323011F3	
3798	02	00AE6	61200000	A
3799	02	00AE7	22240656	A
3811	02	00AE8	22900058	A
3812	02	00AE9	0950008C	03
3813	02	00AEA	22C00000	A

	CW,R9	ALDCRIT
	BAZ	H*STRT2
	CW,R9	SLVBIT
	BANZ	H*STRT1
	LW,R12	MAFCN
	B	H*STRT
H*STRT1	EQU	*
	LW,R3	RBIBUF,R5
	AI,R3	BUF4+1
	STW,R3	VP+CWB
	STW,R15	VP+BUF3
	LD,R2	SLSGBPT
	MBS,R2	0
	LD,R2	SLSGEPT
	MBS,R2	0
	LW,R1	REC+LGN
	BEZ	**3
	LI,R2	BA(REC+LGN)
	B	H*84
	LD,R2	RMTCLR
	LW,R1	REC+RMT#
	AND,R1	M16
	BEZ	H*83
	LW,R2	RMTPUT
	STH,R1	RMTNUM+2
H*83	MBS,R2	0
	LI,R2	BA(REC+SG6N)
	LW,R3	SLSGSPTR
	MBS,R2	0
	LI,R2	SLSGM
H*84	EQU	*
	LW,R3	SLSGPTR
	MBS,R2	0
	LI,R2	2+(VP+BUF4+2)**2
	LI,R9	SLSGCSZ
	PSW,R5	TMPSTK
	LI,R12	0

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3814 02 00AEB 6AB00B23
 3815 02 00AEC 0850008C 03
 3816 02 00AED 75C40000 A
 3817 02 00AEE 25C00078 A
 3818 02 00AEF 20200001 A
 3819 02 00AFO 75C40000 A
 3820 02 00AF1 22E00061 A
 3821 02 00AF2 32C01232
 3822 02 00AF3 68000AF5
 3823 02 00AF4
 3824 02 00AF4 32C01231
 3825 02 00AF5
 3826 02 00AF5 32DA0000 X
 3827 02 00AF6 20D00007 A
 3828 02 00AF7 49C00005 A
 3829 02 00AF8 6AB00000 X
 3830 02 00AF9 02000000 A
 3831 02 00AFA
 3832 02 00AFA 048011E7
 3833 02 00AFB 35B000DC 03
 3834 02 00AFC
 3835 02 00AFC 12E00254 03
 3836 02 00AFD 15E0022A 03
 3837 02 00AFE 15EA0000 X
 3838 02 00AFF 6A40038F
 3839 02 00B00 35D00234 03
 3840 02 00B01 15200230 03
 3841 02 00B02 22204040 A
 3842 02 00B03 55200230 03
 3843 02 00B04 22100228 03
 3844 02 00B05 6AB00759
 3845 02 00B06 22400130 03
 3846 02 00B07 6A800B60
 3847
 3848
 3849
 3850

BAL,R11 CRCH
 PLW,R5 TMPSTK
 STB,R12 0,R2
 SLS,R12 *8
 AI,R2 1
 STB,R12 0,R2
 LI,R14 SLGGWSZ
 LW,R12 SLFCN
 B H*STRT
 EQU \$
 LW,R12 MNFCN
 EQU \$
 LW,R13 RBIBUF,R5
 AI,R13 CRB
 OR,R12 R5
 BAL,R11 NEWGNW
 NBP
 LRR10 EQU \$
 CAL1,8 FVP
 STW,R11 SVZ
 LRR1 EQU \$
 LD,R14 REC+KEY
 STD,R14 Y0UR0N3
 STD,R14 RBD1WSN,R5
 BAL,R4 SETHDR
 STW,R13 Y0UR0N2
 STD,R2 Y0UR0N1
 LI,R2 ! !
 STH,R2 Y0UR0N1
 LI,R1 Y0UR0N
 BAL,R11 MOVEMES
 LI,R4 0NMES
 BAL,R8 TEL*BP

*
 *
 B
 B

MESSAGE: *RBNDD * WSN * LOGGED ON

3851
 3852
 3853
 3854
 3855
 3856
 3857
 3858 02 00B08 3290005A 03
 3859 02 00B09 6AB00837
 3860 02 00B0A 68000B10
 3861 02 00B0B 31901493
 3862 02 00B0C 684005BF
 3863 02 00B0D 6A4004E2
 3864 02 00B0E 224002B9
 3865 02 00B0F 680005BF
 3866 02 00B10 00B10
 3867 02 00B10 3310004C 03
 3868 02 00B11 6A80050C
 3869 02 00B12 3290005A 03
 3870 02 00B13 31901494
 3871 02 00B14 69400B16
 3872 02 00B15 6A80059E
 3873 02 00B16 20900200 A
 3874 02 00B17 48901496
 3875 02 00B18 22400020
 3876 02 00B19 31901493
 3877 02 00B1A 68400707
 3878 02 00B1B 0940008C 03
 3879 02 00B1C 680006D3
 3880 02 00B1D 00B1D
 3881 02 00B1E 22600001 A
 3882 02 00B1F 721002AE 03
 3883 02 00B20 122002AC 03
 3884 02 00B21 25200108 A
 3885 02 00B22 49300001 A
 3886 02 00B22 680009FD
 3887

0
 0
 0
 0
 0
 *
 *

MEANING: THE REMOTE PROCESSING TERMINAL CONNECTED TO RBNDD HAS
 LOGGED ON AS WORKSTATION WSN

ACTION: NONE - INFORMATION ONLY

LW,R9 FLAGS
 BAL,R11 ALL1
 B LRRD
 CW,R9 SLVXP2BT
 BAZ STAT
 BAL,R4 REL
 LI,R4 FIND1
 B STAT
 LRRD EQU \$
 MTW,1 ALLX
 BAL,R8 CHKSTAT
 LW,R9 FLAGS
 CW,R9 ALDCBIT
 BANZ \$+2
 BAL,R8 MSG
 AI,R9 ACTBIT
 AND,R9 NAOLGBT
 LI,R4 CTR1
 CW,R9 SLVXP2BT
 BAZ FINOUT
 PSW,R4 TMPSTK
 B FIASET1
 27LRR EQU \$
 LI,R6 1
 LB,R1 ID*2
 LD,R2 ID
 SLD,R2 8
 BR,R3 R1
 B LRR3

```

3888      02 00B23
3889      02 00B23      22100002 A
3890      02 00B24      72540000 A
3891      02 00B25      21500010 A
3892      02 00B26      68300B2C
3893      02 00B27      72D2000C A
3894      02 00B28      48C00000 X
3895      02 00B29      4850000C A
3896      02 00B2A      52CA14F2
3897      02 00B2B      48C0000D A
3898      02 00B2C
3899      02 00B2C      20200001 A
3900      02 00B2D      64900B24
3901      02 00B2E      F800000B A
3902
3903      02 00B2F
3904      02 00B2F      22A012A2
3905      02 00B30      68000B34
3906      02 00B31
3907      02 00B31      22A012BB
3908      02 00B32      68000B34
3909      02 00B33
3910      02 00B33      22A012C9
3911      02 00B34
3912      02 00B34      22401245
3913      02 00B35      6A800B65
3914
3915
3916
3917
3918
3919
3920
3921
3922
3923
3924
    
```

```

CRCH      EQU      *
          LI,R1     2
          LB,R5     0,R2
          CI,R5     DLE
          BE        CRCH1
          LB,R13    R12,R1
          AND,R12   M8
          EBR,R5    R12
          LH,R12    CRCTBL,R5
          EBR,R12   R13

CRCH1     EQU      *
          AI,R2     1
          BDR,R9    CRCH+1
          B         *R11
    
```

```

NOTID     EQU      *
          LI,R10    NOTIDM
          B         BADRID1

ILID      EQU      *
          LI,R10    ILIDM
          B         BADRID1

SAMID     EQU      *
          LI,R10    SAMIDM

BADRID1   EQU      *
          LI,R4     NOLOGM
          BAL,R8    TEL,OPR1
    
```

```

*
*
*0*      MESSAGE: *RBND D FAILED TO LOG STATION ON
*0*
*0*      MEANING: AN ATTEMPT TO LOG ON BY THE REMOTE TERMINAL CONNECTED
*0*      TO RBND D HAS BEEN REJECTED BY THE SYSTEM.
*0*
*0*      ACTION: IF THE MESSAGE IS PROCEEDED BY ANOTHER INDICATING A
*0*      CENTRAL SITE PROBLEM, CORRECT IT. IF THE MESSAGE IS
*0*      REPEATED SEVERAL TIMES DISCONNECT THE LINE
*0*
    
```

```

3925
3926
3927 02 00B36 3290005A 03
3928 02 00B37 32301494
3929 02 00B38 483A0000 X
3930 02 00B39 68300B3F
3931 02 00B3A 22200000 A
3932 02 00B3B 472A0000 X
3933 02 00B3C 31900000 X
3934 02 00B3D 69400B42
3935 02 00B3E 6800007F
3936 02 00B3F 00B3F
3937 02 00B3F 2280007F
3938 02 00B40 31901499
3939 02 00B41 68400B45
3940 02 00B42 00B42
3941 02 00B42 22110000 A
3942 02 00B43 471A0000 X
3943 02 00B44 22800020
3944 02 00B45 00B45
3945 02 00B45 3240000A A
3946 02 00B46 32C0122D
3947 02 00B47 68000B90
3948 02 00B48 00B48
3949 02 00B48 22401267
3950 02 00B49 6A800B65
3951
3952
3953
3954
3955
3956
3957
3958
3959
3960
3961
    
```

```

*
*
LW,R9  FLAGS
LW,R3  AL0DCRIT
AND,R3  RBIFLAG,R5
BEZ    BADRID2
LI,R2   0
STS,R2  RBIFLAG,R5
CW,R9   SLVBIT
BANZ   BADRID2A
B      RBDU1
BADRID2 EQU  *
LI,R8   RBDU1
CW,R9   BSCBTS
BAZ     BADRID3
BADRID2A EQU *
LI,R1   RBXBIT
STS,R1  RBIFLAG,R5
LI,R8   CTR1
BADRID3 EQU *
LW,R4   R10
LW,R12  RBTMSK
B      TEL$RBT1
N0$STRM EQU *
LI,R4   NSTRMM
BAL,R8  TEL$OPR1
    
```

```

*
*
*0* MESSAGE: *RBND INSUFFICIENT STREAMS
*0*
*0* MEANING: THE REMOTE TERMINAL CONNECTED TO RBND CANNOT BE LOGG
*0* ON BECAUSE IT HAS MORE DEVICES THAN THE REMAINING
*0* SYMBIONT STREAMS ON THE SYSTEM
*0*
*0* ACTION: INFORM THE WORKSTATION THAT HE CANNOT LOG ON AT THIS
*0* TIME. SUPER CAN BE USED TO REMOVE DEVICES FROM THE
*0* WORKSTATION. THIS MESSAGE MAY MEAN THAT NOT ENOUGH
    
```

```

3962
3963
3964
3965
3966      02 00B4A
3967 02 00B4A 22300000 A
3968 02 00B4B 721A0000 X
3969 02 00B4C 724A0000 X
3970 02 00B4D 75180000 X
3971 02 00B4E 68300B50
3972 02 00B4F 75400000 X
3973 02 00B50 753A0000 X
3974 02 00B51 22100000 A
3975 02 00B52 751A0000 X
3976 02 00B53 751A0000 X
3977 02 00B54 72120000 X
3978 02 00B55 68300B58
3979 02 00B56 75320000 X
3980 02 00B57 68000B54
3981 02 00B58 22A012AE
3982 02 00B59 68000B34
3983      02 00B5A
3984 02 00B5A 721A0000 X
3985 02 00B5B 753A0000 X
3986 02 00B5C 72360000 X
3987 02 00B5D 69300B5C
3988 02 00B5E 75160000 X
3989 02 00B5F 68000B48
3990
3991      02 00B60
3992 02 00B60 19500000 X
3993 02 00B61 69900B68
3994      02 00B62
3995 02 00B62 122A0000 X
3996 02 00B63 35280001 A
3997 02 00B64 35380002 A
3998      02 00B65
    
```

```

*0*
*0*
*
*
N0$STRM1 EQU $
          LI,R3 0
          LB,R1 RBB:HF,R5
          LB,R4 RBB:HO,R5
          STB,R1 STB:LNK,R4
          BEZ $+2
          STB,R4 STB:LNK
          STB,R3 RBB:ID,R5
          LI,R1 0
          STB,R1 RBB:HO,R5
          STB,R1 RBB:HF,R5
          LB,R1 STB:LNK,R1
          BEZ $+3
          STB,R3 SNDDX,R1
          B $+3
          LI,R10 NSTRM
          B BADRID1
N0$STRM5 EQU $
          LB,R1 RBB:HF,R5
          STB,R3 RBB:HF,R5
          LB,R3 STB:LNK,R3
          BNEZ $+1
          STB,R1 STB:LNK,R3
          B N0$STRM
*****
TEL$BP EQU $
          CLM,R5 RBL:MS
          BCS,9 TEL$BP1
TEL$BPR EQU $
          LD,R2 RBD:WSN,R5
          STW,R2 SPRID,R4
          STW,R3 SPRID+1,R4
TEL$BPR1 EQU $
    
```

STREAMS WERE SPECIFIED IN THE SYSGEN OF THE SYSTEM.

SEND A MESSAGE TO THE OPERATOR
 !
 THE MESSAGE CAN BE SENT WITH OR WITH
 A DEVICE NAME AND/OR WSN.

H01 15:40 SEP 08, '75

3999	02	00B65	32F00005	A
4000	02	00B66	32C0122A	
4001	02	00B67	68000B69	
4002		02	00B68	
4003	02	00B68	32C01229	
4004		02	00B69	
4005	02	00B69	6AB00C0B	
4006	02	00B6A	32B00000	X
4007	02	00B6B	68300B75	
4008	02	00B6C	R2B0000B	A
4009	02	00B6D	68300B75	
4010	02	00B6E	R2B0000B	A
4011	02	00B6F	68300B75	
4012	02	00B70	22B00000	N
4013	02	00B71	25B0047E	A
4014	02	00B72	20B00000	N
4015	02	00B73	31B00000	X
4016	02	00B74	68100B77	
4017	02	00B75	048011E4	
4018	02	00B76	68000B6A	
4019	02	00B77	6AB00000	X
4020	02	00B78	68300B75	
4021	02	00B79	3230000E	A
4022	02	00B7A	3210000E	A
4023	02	00B7B	32200004	A
4024	02	00B7C	25200102	A
4025	02	00B7D	32D00003	A
4026	02	00B7E	20200001	A
4027	02	00B7F	F2E00004	A
4028	02	00B80	4BE00000	X
4029	02	00B81	75E00003	A
4030	02	00B82	72B0000C	A
4031	02	00B83	21B00001	A
4032	02	00B84	69300B89	
4033	02	00B85	22000015	A
4034	02	00B86	75060000	A
4035	02	00B87	20300001	A

TEL\$OP1
TEL\$HIM

WTQ

LW,R15	R5
LW,R12	RTYFCN
B	*2
EQU	*
LW,R12	LTYFCN
EQU	*
BAL,R11	SVIV
LW,R11	MPBOL
BEZ	WTQ
LW,R11	*R11
BEZ	WTQ
LW,R11	*R11
BEZ	WTQ
LI,R11	*MAXBQ
SAS,R11	*2
AI,R11	MAXBQ
CW,R11	CURBQ
BGE	*+3
CAL1,8	WAIT
B	TEL\$HIM+1
BAL,R11	GMB
BEZ	WTQ
LW,R3	R14
LW,R1	R14
LW,R2	R4
SLD,R2	2
LW,R13	R3
AI,R2	1
LB,R14	*R4
AND,R14	M7
STB,R14	R3
LB,R11	R12
CI,R11	1
BNE	TEL\$H1
LI,RO	X'15'
STB,RO	O,R3
AI,R3	1

SEND A MESSAGE VIA NEWQ (NO WAIT)
!

GET A MONITOR BUFFER AND PUT IN THE
LINE FEED PRECEDING THE MESSAGE.
GO TO NEWQNW TO OUTPUT.

H01 15140 SEP 08, 175

4036	02	00B88	20E00001	A
4037		02	00B89	
4038	02	00B89	41200000	A
4039	02	00B8A	22000000	N
4040	02	00B8B	6AB00000	X
4041	02	00B8C	02000000	A
4042	02	00B8D	35B000DC	03
4043	02	00B8E	F8000008	A
4044				
4045		02	00B8F	
4046	02	00B8F	32C0122E	
4047		02	00B90	
4048	02	00B90	22F00000	A
4049		02	00B91	
4050	02	00B91	30C00005	A
4051	02	00B92	68000B69	
4052				
4053		02	00B93	
4054	02	00B93	72F40000	X
4055	02	00B94	32D40000	X
4056	02	00B95	52C40000	X
4057	02	00B96	52B40000	X
4058	02	00B97	35B00337	03
4059	02	00B98	22B07FFF	A
4060	02	00B99	48B0000C	A
4061	02	00B9A	68000B9D	
4062		02	00B9B	
4063	02	00B9B	22B00000	A
4064	02	00B9C	22C00000	A
4065		02	00B9D	
4066	02	00B9D	22300000	A
4067	02	00B9E	35300058	03
4068	02	00B9F	72300000	X
4069	02	00BA0	203FFFFE	A
4070		02	00BA1	
4071	02	00BA1	53060000	X
4072	02	00BA2	68100BA5	

TEL\$H1	AI,R14	1
	EQU	\$
	MBS,R2	0
	LI,R0	RMB
	BAL,R11	NEWGNW
	NBP	
	STW,R11	SVZ
	B	*R8

TEL\$RBT	EQU	\$
	LW,R12	LGNMSK
TEL\$RBT1	EQU	\$
	LI,R15	0
TEL\$RBT2	EQU	\$
	AW,R12	R5
	B	TEL\$HIM

STRTSYM	EQU	\$
	LB,R15	BBIDEV,R2
	LW,R13	BWIFORM,R2
	LH,R12	BHICOMID,R2
	LW,R11	BHISID,R2
	STW,R11	COMODM1
	LI,R11	X'7FFF'
	AND,R11	R12
	B	STSM1A
STSM1	EQU	\$
	LI,R11	0
	LI,R12	0
STSM1A	EQU	\$
	LI,R3	0
	STW,R3	FRMCK
	LB,R3	SNDDX
	AI,R3	*2
STSM2	EQU	\$
	MTH,0	STH:CMDV,R3
	BGEZ	*+3

SEND A MESSAGE TO THE RBT DIRECTLY

SAVE FOR COMODE MESSAGE

KNOCK OFF 'LAST CHUNK' FLAG

IN CASE WE COME IN FROM AIFNC

4073	02	00BA3	22200000	A	LI,R2	0
4074	02	00BA4	55260000	X	STH,R2	STH:CMDV,R3
4075	02	00BA5	21300000	N	C1,R3	MXSTRM
4076	02	00BA6	682008BD		BLE	STSM3+1
4077	02	00BA7	72260000	X	LB,R2	SNDDX,R3
4078	02	00BA8	683008BC		BEZ	STSM3
4079	02	00BA9	71F60000	X	CB,R15	STB:1YP,R3
4080	02	00BAA	693008BC		BNE	STSM3
4081	02	00BAB	70260000	X	LC	SYM X,R3
4082	02	00BAC	698008BC		BCS,8	STSM3
4083	02	00BAD	72260000	X	LB,R2	SSIG,R3
4084	02	00BAE	693008BC		BNEZ	STSM3
1*	02	00BAF	51B60000	X	CH,R11	STH:CMDV,R3
2*	02	00BB0	683008B9		BE	STSM2A
3*	02	00BB1	53060000	X	MTH,0	STH:CMDV,R3
4*	02	00BB2	693008BC		BNEZ	STSM3
5*	02	00BB3	72100000	X	LB,R1	SNDDX
6*	02	00BB4	641008B6		BDR,R1	*+2
7*	02	00BB5	680008B9		B	STSM2A
8*	02	00BB6	51B20000	X	CH,R11	STH:CMDV,R1
9*	02	00BB7	683008BC		BE	STSM3
10*	02	00BB8	680008B4		B	CMDVCHK
11*	02	00BB9				
4085	02	00BB9	31D60000	X	EQU	*
4086	02	00BBA	683008BF		CW,R13	STWIFORM,R3
4087	02	00BBB	35300058	03	BE	SYSG1
4088	02	00BBC	64300BA1		STW,R3	FRMCK
4089	02	00BBD	32300058	03	BDR,R3	STSM2
4090	02	00BBE	F8300008	A	LW,R3	FRMCK
4091	02	00BBF			BEZ	*R8
4092	02	00BBF	221000C9	A		*
4093	02	00BC0			LI,R1	!!!
4094	02	00BC0	6AB00C0B		EQU	*
4095	02	00BC1	32B000D3	03	BAL,R11	SVIV
4096	02	00BC2	F9300008	A	LW,R11	RCVRFIG
4097	02	00BC3	75160000	X	BNEZ	*R8
4098	02	00BC4	6AB00000	X	STB,R1	SSIG,R3
					BAL,R11	SAGNSERT

DOES THE COMID FOR THIS FILE...
 ...MATCH THAT FOR THIS DEVICE (YES)
 NO! IS THE DEVICE IN COMODE
 SURE IS, & ITS SOMEBODY ELSE'S COMID!
 LOOK TO SEE IF THIS FILE IS MATCHED
 ...TO ANY OTHER DEVICE
 NO! SO START THIS DEVICE IN COMODE
 KFEP LOOKING...
 GOT A MATCH, DONT START ANOTHER...
 ...DEVICE ON THE SAME COMID.

```

4099 02 00BC5 35B000D0 03
4100 02 00BC6 330000F2 03
4101 02 00BC7 F8300008 A
4102 02 00BC8 0950008C 03
4103 02 00BC9 02200020 A
4104 02 00BCA 0B80008C 03
4105 02 00BCB 33F000F2 03
4106 02 00BCC 32F00337 03
4107 02 00BCD 6AB008E1
4108 02 00BCE 35D00337 03
4109 02 00BCF 323000ED 03
4110 02 00BD0 72360000 X
4111 02 00BD1 12E60000 X
4112 02 00BD2 25E00108 A
4113 02 00BD3 22300001 A
4114 02 00BD4 55E6033F 03
4115 02 00BD5 35F00340 03
4116 02 00BD6 22400335 03
4117 02 00BD7 6A800B68
4118 02 00BD8 02200020 A
4119 02 00BD9 0A80008C 03
4120 02 00BDA 0850008C 03
4121 02 00BDB F8000008 A
4122 02 00BDC
4123 02 00BDC 22000000 A
4124 02 00BDD 35000058 03
4125 02 00BDE 32040000 X
4126 02 00BDF 32500003 A
4127 02 00BE0 22E00C51 A
4128 02 00BE1 6AB00601
4129 02 00BE2 68000BE7
4130 02 00BE3 31060000 X
4131 02 00BE4 68300BEA
4132 02 00BE5 35300058 03
4133 02 00BE6 64B00605
4134 02 00BE7
4135 02 00BE7 22500000 N
    
```

PND BIT

PNB8

```

STW,R11 SVZ
MTW,0 STARTCOM
BEZ +R8
PSW,R5 TMPSTK
LCI 2
PSM,R8 TMPSTK
MTW,-1 STARTCOM
LW,R15 COM0DM1
BAL,R11 HEXC
STW,R13 COM0DM1
LW,R3 SYMIDX
LB,R3 SNDDX,R3
LD,14 DCT16,R3
SLD,R14 8
LI,R3 1
STH,R14 COM0DM2,R3
STW,R15 COM0DM3
LI,R4 COM0DM3G
BAL,R8 TEL#0P1
LCI 2
PLM,R8 TMPSTK
PLW,R5 TMPSTK
B +R8
EQU *
LI,R0 0
STW,R0 FRMCK
LW,R0 BWIFORM,R2
LW,R5 R3
LI,R14 STPBIT+INBIT+WFBIT+LOCBIT+FMSBIT
BAL,R11 GTDVNM1
B PNB8
CW,R0 STWIFORM,R3
BE PNB2
STW,R3 FRMCK
BDR,R11 GDNN0
EQU *
LI,R5 LCLX
    
```

WAS THIS START OF COMODE
NOPE

GET HEX SYSID SAVED IN G0F
CONVERT TO EBCDIC CHARS...
PLACE IN MESSAGE TEXT

GET DCT INDEX
DEVICE MNEM
ALIGN YNDD & SHIFT OFF TAB CHAR

PUT INTO MESSAGE TEXT

PRINT MSG ON BC

H01 15:40 SEP 08, 1975

4136 02 00BE8 32300058 03
 4137 02 00BE9 F8300008 A
 4138 02 00BEA 22500000 N
 4139 02 00BFB
 4140 02 00BEB 6D000037 A
 4141 02 00BEC 52F60000 X
 4142 02 00BED 49F014A2
 4143 02 00BEE 55F60000 X
 4144 02 00BEF 6D000027 A
 4145 02 00BFO F8000008 A
 4146
 4147 02 00BF1
 4148 02 00BF1 22401397
 4149 02 00BF2 2280098E
 4150 02 00BF3 68000B68
 4151
 4152
 4153
 4154
 4155
 4156
 4157
 4158
 4159
 4160
 4161
 4162
 4163 02 00BF4
 4164 02 00BF4 0940008C 03
 4165 02 00BF5 5210000F A
 4166 02 00BF6 4B100000 X
 4167 02 00BF7 4BF00000 X
 4168 02 00BF8 32C0122B
 4169 02 00BF9 30C00001 A
 4170 02 00BFA 22E00400 A
 4171 02 00BFB 32D00008 03
 4172 02 00BFC 25D00002 A

PNB2
 PNB3
 LW,R3 FRMCK
 BEZ *R8
 LI,R5 LCLX
 EQU \$
 WD,0 X'37'
 LH,R15 STHIFLG,R3
 OR,R15 XSTPBIT
 STH,R15 STHIFLG,R3
 WD,0 X'27'
 B *R8

*****;

NB\$JOB
 EQU \$
 LI,R4 NOJOBM
 LI,R8 DELJOB
 B TEL\$OP1

FOR LOCAL INPUT FILES WITH NO JOB C
 TELL THE OPERATOR AND DELETE THE FILE

*
 *
 0
 0
 0
 0
 0
 0
 0
 *
 *

MESSAGE: *MISSING JOB COMMAND - JOB IGNORED
 MEANING: THE JOB JUST READ IN FROM A LOCAL SYMBIONT DEVICE HAD
 NEITHER A JOB OR NCTL COMMAND AS ITS FIRST CARD
 ACTION: CORRECT THE PROBLEM AND RE-SUBMIT THE JOB

RDDSK
 EQU \$
 PSW,R4 TMPSTK
 LH,R1 R15
 AND,R1 DCT\$MASK
 AND,R15 M24
 LW,R12 DSKFCN
 AW,R12 R1
 LI,R14 1024
 LW,R13 SECT
 SLS,R13 2

READ A DISC SECTOR
 I
 GO TO NEWQ TO READ THE SECTOR WHOSE
 IN R15. AFTER THE SECTOR IS READ S/
 FLINK AND MOVE R6 TO POINT TO THE
 BEGINING OF DATA.

H01 15:40 SEP 08, '75

```

4173 02 00BFD 22000000 A
4174 02 00BFE 6AB00C0B
4175 02 00BFF 6AB00000 X
4176 02 00C00 02000000 A
4177 02 00C01 35B000DC 03
4178 02 00C02 326000D8 03
4179 02 00C03 82100006 A
4180 02 00C04 31100000 X
4181 02 00C05 68400C07
4182 02 00C06 22100000 A
4183 02 00C07 3510005B 03
4184 02 00C08 20600001 A
4185 02 00C09 0840008C 03
4186 02 00C0A F800000A A
4187
4188 02 00C0B
4189 02 00C0B 330000DC 03
4190 02 00C0C F830000B A
4191 02 00C0D 6D000037 A
4192 02 00C0E 02200000 A
4193 02 00C0F 280000DD 03
4194 02 00C10 22B00000 A
4195 02 00C11 35B000DC 03
4196 02 00C12 6D000027 A
4197 02 00C13 F80000E8 03
4198 02 00C14
4199 02 00C14 6AB00C0B
4200 02 00C15 32B000D3 03
4201 02 00C16 F93000D4 03
4202 02 00C17 F8000008 A
4203
4204 02 00C18
4205 02 00C18 22100017 A
4206 02 00C19 75100051 03
4207 02 00C1A 21500000 N
4208 02 00C1B 69300C20
4209 02 00C1C 6A400C46

```

```

LI,R0 0
BAL,R11 SVIV
BAL,R11 NEWQ
NOP
STW,R11 SVZ
LW,R6 SECT
LW,R1 *R6
CW,R1 YFF
BAZ *+2
LI,R1 0
STW,R1 FLINK
AI,R6 1
PLW,R4 TMPSTK
B *R10
*****
SVIV EQU $
MTW,0 SVZ
BEZ *R11
WD,0 X'37'
LCI 0
STM,R0 SVREGS
LI,R11 0
STW,R11 SVZ
WD,0 X'27'
B *SVREG11
SVIV1 EQU $
BAL,R11 SVIV
LW,R11 RCVRFLG
BNEZ *RCVRPTR
B *R8
*****
DEJOB EQU $
LI,R1 JOBCOM
STB,R1 COM
CI,R5 LCLx
BNE NBBRST
BAL,R4 BANNER

```

```

*****
SAVE AN ENVIRONMENT FOR RECOVERY WHEN
*****
INTO THE MONITOR, SVZ=ZERO WHEN THE
ENVIRONMENT IS VALID. SVIV1 SAYS TO
THE CURRENT TASK IF A RECOVERY OCCUR
IT.
*****
INITIALIZE INPUT FILE ENTRY.
I
IF THE JOB IS LOCAL PUT THE BURST IN
THE MESSAGE FILE. IN ANY CASE PUT IN
JOB RECEIPT MESSAGE. THEN PUT THE

```

H01 15140 SEP 08, 17R

4210	02	00C1D	32200050	03
4211	02	00C1E	303011EA	
4212	02	00C1F	61200000	A
4213		02 00C20		
4214	02	00C20	32E00050	03
4215	02	00C21	32F0004F	03
4216	02	00C22	49300C24	
4217	02	00C23	32F0004D	03
4218	02	00C24	3220000F	A
4219	02	00C25	25F00018	A
4220	02	00C26	20F00850	03
4221	02	00C27	61E00000	A
4222	02	00C28	32F00054	03
4223	02	00C29	48F00000	X
4224	02	00C2A	6AB008E1	
4225	02	00C2B	35D00212	03
4226	02	00C2C	2020000F	A
4227	02	00C2D	75200210	03
4228	02	00C2E	22100210	03
4229	02	00C2F	6AB00759	
4230	02	00C30	32200048	03
4231	02	00C31	32400002	A
4232	02	00C32	25400002	A
4233	02	00C33	20400000	N
4234	02	00C34	35400071	03
4235	02	00C35	22100000	N
4236	02	00C36	72C20000	X
4237	02	00C37	49C00000	X
4238	02	00C38	F5C20004	A
4239	02	00C39	64100C36	
4240	02	00C3A	22100000	N
4241	02	00C3B	32C20000	X
4242	02	00C3C	55C40000	X
4243	02	00C3D	22C00000	A
4244	02	00C3E	55C40000	X
4245	02	00C3F	55C40000	X
4246	02	00C40	75C40000	X

N0BRST

LW,R2	BCP
AW,R3	BRSTRTR
MBS,R2	0
EQU	\$
LW,R14	BCP
LW,R15	ARG0
BNEZ	*R
LW,R15	ARG
LW,R2	R15
SLS,R15	24
AI,R15	BA(RBJOBM2)
MBS,R14	0
LW,R15	CURSID
AND,R15	M16
BAL,R11	HEXC
STW,R13	RBJOBM1
AI,R2	RBJOBMSZ
STB,R2	RBJOBM
LI,R1	RBJOBM
BAL,R11	MOVEMES
LW,R2	ADDX
LW,R4	R2
SLS,R4	2
AI,R4	B4WIFES
STW,R4	BADRS
LI,R1	SVIRSIZ
LB,12	SB;RBDP,R1
OR,12	X80
STB,12	*R4,R1
BDR,R1	*3
LI,R1	SVITI
LW,R12	SLIBDF,R1
STH,R12	BHITIME,R2
LI,R12	0
STH,R12	BHISLNK,R2
STH,R12	BH;XLNK,R2
STB,R12	BBIP1,R2

SET DEFAULT VALUES WITH HI-ORDER BIT

4247 02 00C41 72CA0000 X
 4248 02 00C42 75C40000 X
 4249 02 00C43 32C00054 03
 4250 02 00C44 55C40000 X
 4251 02 00C45 680008F4

LB,R12 RBB, ID,R5
 STB,R12 BBIRID,R2
 LW,R12 CURSID
 STH,R12 BHISID,R2
 B PROCJOB

4252
 4253 02 00C46
 4254 02 00C46 22101282
 4255 02 00C47 6AB00759
 4256 02 00C48 323A0000 X
 4257 02 00C49 32E60001 A
 4258 02 00C4A 20EE8002 A
 4259 02 00C4B 35E60001 A
 4260 02 00C4C 22100006 A
 4261 02 00C4D 72120000 X
 4262 02 00C4E 25100278 A
 4263 02 00C4F 3010121E
 4264 02 00C50 3300005E 03
 4265 02 00C51 68300C53
 4266 02 00C52 3010121F
 4267 02 00C53 35160002 A
 4268 02 00C54 25300002 A
 4269 02 00C55 68080000 A

BANNER EQU \$
 LI,R1 120ASTER
 BAL,R11 MOVEMES
 LW,R3 RBIMFAD,R5
 LW,R14 1,R3
 AI,R14 X'80021=X'20000'
 STW,R14 1,R3
 LI,R1 6
 LB,R1 TB, SZ,R1
 SCS,R1 =8
 AW,R1 BRSTW2
 MTW,0 KOMP
 BEZ =*2
 AW,R1 BRSTWH
 STW,R1 2,R3
 SLS,R3 2
 B 0,R4

4270
 4271 02 00C56
 4272 02 00C56 0930008C 03
 4273 02 00C57 22300000 N
 4274 02 00C58 72360000 X
 4275 02 00C59 68300C62
 4276 02 00C5A 6AB00C0B
 4277 02 00C5B 328000D3 03
 4278 02 00C5C 69300C61
 4279 02 00C5D 22600000 N
 4280 02 00C5E 6AB00000 X
 4281 02 00C5F 02200000 A
 4282 02 00C60 2A0000DD 03
 4283 02 00C61 35B000DC 03

SYMF EQU \$ REPORT SYMFILE AVAILABLE EVENT FOR
 PSW,R3 TMPSTK
 LI,R3 R;SYMF
 LB,R3 SBIRQ,R3
 BEZ SYMF1+1
 BAL,R11 SVIV COMMUNICATION BUFFERS AND OUTPUT
 LW,R11 RCVRFLG FILE SLOTS.
 BNEZ SYMF1
 LI,R6 EISYMF
 BAL,R11 TIRE
 LCI 0
 LM,R0 SVREGS
 STW,R11 SVZ

```

H01 15140 SEP 08, 175
4284 02 00C62 0830008C 03
4285 02 00C63 F8000003 A
4286
4287 02 00C64
4288 02 00C64 6820058F
4289 02 00C65 21C00050 A
4290 02 00C66 6920058F
4291 02 00C67 75CA0000 X
4292 02 00C68 680008A9
4293 02 00C69
4294 02 00C69 6820058F
4295 02 00C6A 21C00080 A
4296 02 00C6B 6920058F
4297 02 00C6C 75CA0000 X
4298 02 00C6D 680008A9
4299 02 00C6E
4300 02 00C6E 32C00000 A
4301 02 00C6F 22D00002 A
4302 02 00C70 47C0005A 03
4303 02 00C71 680008A9
4304 02 00C72
4305 02 00C72 22C00002 A
4306 02 00C73 68000C6F
4307
4308 02 00C74
4309 02 00C74 22400000 N
4310 02 00C75 25E00470 A
4311 02 00C76 51E80000 X
4312 02 00C77 68300C81
4313 02 00C78 64400C76
4314 02 00C79 21EFF7E3 A
4315 02 00C7A 68300C7F
4316 02 00C7B 21EFF9E3 A
4317 02 00C7C 68300C7F
4318 02 00C7D 21EFE2D7 A
4319 02 00C7E 69300579
4320 02 00C7F

```

```

PLW,R3 TMPSTK
B *R3
*****
CP EQU $
BLEZ BADVAL
CI,R12 80
BG BADVAL
STB,R12 RBBICPZ,R5
LP EQU $
BLEZ BADVAL
CI,R12 128
BG BADVAL
STB,R12 RBBILPZ,R5
EM EQU $
LW,R12 0
LI,R13 EMBIT
STS,R12 FLAGS
B COMRET
NOEM EQU $
LI,R12 EMBIT
B EM*1
*****
CHKRS EQU $
LI,R4 SVIRBIZ
SAS,R14 *16
CH,R14 SHIRNM,4
BE RESFOUND
BDR,4 *2
CI,R14 X1FF7E31 *7T
BE DUMRES
CI,R14 X1FF9E31 *9T
BE DUMRES
CI,R14 X1FE2D71 *SP
BNE BADBP
DUMRES EQU $

```

THE FOLLOWING ROUTINES PROCESS VARI
ON RBSIZE, LIMIT, AND RES COMMAND

H01	15:40	SEP 08	'75			
4321	02	00C7F	22BFF375	N	LI,R11	*DUMRCK
4322	02	00C80	6800057E		B	DOOP*1
4323		02	00C81		RESFOUND EQU	*
4324	02	00C81	35400072	03	STW,R4	RESX
4325	02	00C82	22BFF37C	N	LI,R11	*RESCHK
4326	02	00C83	6800057E		B	DOOP*1
4327		02	00C84		RESCHK EQU	*
4328	02	00C84	32400072	03	LW,R4	RESX
4329	02	00C85	51C80000	X	CM,R12	SHIRTOT,R4
4330	02	00C86	6920058C		BG	TBGVAL
4331	02	00C87	21C0007F	A	CI,R12	127
4332	02	00C88	6920058C		BG	TBGVAL
4333	02	00C89	F5C80071	03	STB,R12	*BADRS,R4
4334	02	00C8A	680008A9		B	COMRET
4335		02	00C8B		DUMRCK EQU	*
4336	02	00C8B	20C00000	A	AI,R12	0
4337	02	00C8C	6930058C		BNEZ	TBGVAL
4338	02	00C8D	680008A9		B	COMRET
4339		02	00C8E		ORDER EQU	*
4340	02	00C8E	32D00000	X	LW,R13	ORDBIT
4341		02	00C8F		ORDN EQU	*
4342	02	00C8F	47D40000	X	STS,R13	BWISDA,R2
4343	02	00C90	680008A9		B	COMRET
4344		02	008A9		NORDR EQU	COMRET
4345		02	00C91		ACCNT EQU	*
4346	02	00C91	32D00000	X	LW,R13	ACCTBIT
4347	02	00C92	68000C8F		B	ORDN
4348		02	00C93		RERUN EQU	*
4349	02	00C93	32D00000	X	LW,R13	RRBIT
4350	02	00C94	68000C8F		B	ORDN
4351		02	00C95		TIMEL EQU	*
4352	02	00C95	55C40000	X	STH,R12	BHITIME,R2
4353	02	00C96	680008A9		B	COMRET
4354		02	00C97		MOUNT EQU	*
4355	02	00C97	6A8008A9		BAL,R8	COMRET
4356		02	00C98		MNT1 EQU	*
4357	02	00C98	221000E0	A	LI,R1	COBLMSK

TES,ERR

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4358 02 00C99 6A400852
 4359 02 00C9A 69800CE8
 4360 02 00C9B 6A400848
 4361 02 00C9C 3290024E 03
 4362 02 00C9D 22800000 A
 4363 02 00C9E 25800108 A
 4364 02 00C9F 22400000 N
 4365 02 00CA0 218000E7 A
 4366 02 00CA1 68300CA5
 4367 02 00CA2 218000E2 A
 4368 02 00CA3 69300CB5
 4369 02 00CA4 22400000 N
 4370 02 00CA5
 4371 02 00CA5 35400060 03
 4372 02 00CA6 52900009 A
 4373 02 00CA7 21904040 A
 4374 02 00CA8 69300CAA
 4375 02 00CA9 229FE2D7 A
 4376 02 00CAA 22300000 N
 4377 02 00CAB 51960000 X
 4378 02 00CAC 68300CB0
 4379 02 00CAD 64300CAB
 4380 02 00CAE 22800CB5
 4381 02 00CAF 68000579
 4382 02 00CR0
 4383 02 00CB0 35300061 03
 4384 02 00CB1 72360000 X
 4385 02 00CB2 72360000 X
 4386 02 00CB3 213000C0 A
 4387 02 00CB4 68100CB9
 4388 02 00CB5
 4389 02 00CB5 22100090 A
 4390 02 00CB6 6A400852
 4391 02 00CB7 69800CE8
 4392 02 00CB8 68000CDC
 4393 02 00CB9
 4394 02 00CB9 6A8008A9

XORS

FOUND

SKIPSER

GETSER

BAL,R4 TRT
 BCS,E0C BADSYN
 BAL,R4 GETFLD
 LW,R9 FLD
 LI,R8 0
 SLD,8 8
 LI,R4 BH:XLNK
 CI,R8 'X'
 BE XORS
 CI,R8 'S'
 BNE SKIPSER
 LI,R4 BH:SLNK
 EQU \$
 STW,R4 XS
 LW,R9 R9
 CI,R9 ' '
 BNE \$+2
 LI,R9 X'FE2D7'
 LI,R3 SV:RSIZ
 CH,R9 SH:RNM,R3
 BE FOUND
 BDR,3 \$=2
 LI,R8 SKIPSER
 B BADOP
 EQU \$
 STW,R3 IJTYPE
 LB,R3 SB:RTY,R3
 LB,R3 TB:FLGS,R3
 CI,R3 X'CO'
 BGE GETSER
 EQU \$
 LI,R1 PARMK
 BAL,R4 TRT
 BCS,E0C BADSYN
 B ENDC1
 EQU \$
 BAL,R8 COMRET

BR S.
IS THERE DEV. TYPE

SIGN EXTENDED 'SP'
SEARCH SH:RNM

```

4395      02 00CRA
4396      02 00CBA 69800CE8
4397      02 00CBB 22800CD6
4398      02 00CBC 221000E0 A
4399      02 00CBD 6A400852
4400      02 00CBE 2200005C A
4401      02 00CBF 21100004 A
4402      02 00CC0 69200591
4403      02 00CC1 6A400848
4404      02 00CC2 32E0024E 03
4405      02 00CC3 32F00061 03
4406      02 00CC4 52340000 X
4407      02 00CC5 6AB00CEA
4408      02 00CC6 52340000 X
4409      02 00CC7 6AB00CEA
4410      02 00CC8 52100000 X
4411      02 00CC9 69300CCF
4412      02 00CCA 6AB0079C
4413      02 00CCB 2210132B
4414      02 00CCC 3510004A 03
4415      02 00CCD 32B0000A A
4416      02 00CCE 68000759
4417      02 00CCF
4418      02 00CCF 52320000 X
4419      02 00CD0 55300000 X
4420      02 00CD1 02340060 03
4421      02 00CD2 55320000 X
4422      02 00CD3 05140060 03
4423      02 00CD4 35E20000 X
4424      02 00CD5 75F20000 X
4425      02 00CD6
4426      02 00CD6 22800CBA
4427      02 00CD7 221000DF A
4428      02 00CD8 6A400852
4429      02 00CD9 69800CE8
4430      02 00CDA 694008AC
4431      02 00CDB 681007E8
    
```

GS1

NOMORE

ENDCHK

```

EQU *
BCS,EBC BADSYN
LI,R8 ENDCHK
LI,R1 COBLMSK
BAL,R4 TRT
LI,R0 *!
CI,R1 *
BG BADVAL+2
BAL,R4 GETFLD
LW,R14 FLD
LW,R15 IJTYPE
LH,R3 BH:SLNK,R2
BAL,R11 CKSERX
LH,R3 BH:XLNK,R2
BAL,R11 CKSERX
LH,R1 S#HILNK
BNEZ NOMORE
BAL,R11 MOVECC
LI,R1 NOSERM
STW,R1 ABBORT
LW,R11 R10
B MOVEMES
EQU *
LH,R3 S#HILNK,R1
STH,R3 S#HILNK
LH,R3 *XS,R2
STH,R3 S#H:LNK,R1
STH,R1 *XS,R2
STW,R14 S#WISFR,R1
STB,R15 S#BITYP,R1
EQU *
LI,R8 GS1
LI,R1 NBPMSK
BAL,R4 TRT
BCS,EBC BADSYN
BCS,COMA COMRET2
BCR,PAR BADSID2
    
```

```

4432      02 00C0C
4433      02 00C0C 721C0000 A
4434      02 00C0D 2110005D A
4435      02 00C0E 69300CE8
4436      02 00C0F
4437      02 00C0F 20600001 A
4438      02 00CE0 221000DF A
4439      02 00CE1 6A400852
4440      02 00CE2 68100C97
4441      02 00CE3 721C0000 A
4442      02 00CE4 2110005D A
4443      02 00CE5 69300CE8
4444      02 00CE6 2280056D
4445      02 00CE7 680008A9
4446      02 00CF8
4447      02 00CE8 22000078 A
4448      02 00CE9 68000590
4449      02 00CFA
4450      02 00CEA 68300008 A
4451      02 00CEB 31E60000 X
4452      02 00CEC 69300CF7
4453      02 00CED 71F60000 X
4454      02 00CEE 69300CF7
4455      02 00CEF 09A0008C 03
4456      02 00CF0 6AB0079C
4457      02 00CF1 35E00246 03
4458      02 00CF2 22100245 03
4459      02 00CF3 6AB00759
4460      02 00CF4 35B0004A 03
4461      02 00CF5 08A0008C 03
4462      02 00CF6 68000CD6
4463      02 00CF7
4464      02 00CF7 52360000 X
4465      02 00CF8 68000CEA
4466
4467      02 00CF9
4468      02 00CF9 02200020 A
    
```

```

ENDC1 EQU *
      LB,R1 0,R6
      CI,R1 !!!
      BNE BADSYN
BUTCHK EQU *
      AI,R6 1
      LI,R1 NBPMASK
      BAL,R4 TRT
      BCR,PAR MOUNT
      LB,R1 0,R6
      CI,R1 !!!
      BNE BADSYN
      LI,R8 PRBCOP1=1
      B COMRET
BADSYN EQU *
      LI,R0 !#!
      B BADVAL+1
CKSERX EQU *
      BFZ *R11
      CW,R14 S#WISER,R3
      BNE CKSR2
      CB,R15 S#BITYP,R3
      BNE CKSR2
      PSW,R10 TMPSTK
      BAL,R11 MOVECC
      STW,R14 TXNRSN+1
      LI,R1 TXNRSN
      BAL,R11 MOVEMES
      STW,R11 ABORT
      PLW,R10 TMPSTK
      B ENDCHK
CKSR2 EQU *
      LH,R3 S#HILNK,R3
      B CKSERX
*****
GET256 EQU * GET A 256 WORD BUFFER
      LCI 2
    
```

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4469	02	00CFA	0880008C	03
4470	02	00CFB	328000CF	03
4471	02	00CFC	68300D0A	
4472	02	00CFD	3270005D	03
4473	02	00CFE	22900001	A
4474	02	00CFF	459000CE	03
4475		02	00D00	G1
4476	02	00D00	319000CF	03
4477	02	00D01	69400D05	
4478	02	00D02	20700100	A
4479	02	00D03	25900001	A
4480	02	00D04	68000D00	
4481		02	00D05	G2
4482	02	00D05	489000CF	03
4483		02	00D06	G3
4484	02	00D06	359000CF	03
4485	02	00D07	02200020	A
4486	02	00D08	0A80008C	03
4487	02	00D09	F8000006	A
4488		02	00D0A	G4
4489	02	00D0A	048011E2	
4490	02	00D0B	32700009	A
4491	02	00D0C	33E000CE	03
4492	02	00D0D	32900000	X
4493	02	00D0E	3300005D	03
4494	02	00D0F	69300D06	
4495	02	00D10	3570005D	03
4496	02	00D11	68000D06	
4497		02	00D12	FRE 256
4498	02	00D12	3860005D	03
4499	02	00D13	25600078	A
4500	02	00D14	22F00001	A
4501	02	00D15	A5F000CE	03
4502	02	00D16	A5F00006	A
4503	02	00D17	47F000CF	03
4504		02	00D18	F1
4505	02	00D18	32F000CF	03

PSM,R8	TMPSTK
LW,R8	PGMAP
BEZ	G4
LW,R7	FRSTPG
LI,R9	1
SLS,R9	*PGCNT
EQU	\$
CW,R9	PGMAP
BANZ	G2
AI,R7	256
SLS,R9	1
B	G1
EQU	\$
EBR,R9	PGMAP
EQU	\$
STW,R9	PGMAP
LCI	2
PLM,R8	TMPSTK
B	*R6
EQU	\$
CAL1,8	GTPG
LW,R7	R9
MTW,-2	PGCNT
LW,R9	Y8
MTW,0	FRSTPG
BNEZ	G3
STW,R7	FRSTPG
B	G3
EQU	\$
SW,R6	FRSTPG
SLS,R6	=8
LI,R15	1
SLS,R15	*PGCNT
SLS,R15	*R6
STS,R15	PGMAP
EQU	\$
LW,R15	PGMAP

203

PGMAP IS A BIT MAP SHOWING AVAILABLE BUFFERS. THE LOWEST ADDRESSED BUFFER CHOSEN SO THAT HIGHER ONES CAN BE RELEASED SOONER. IF THERE ARE NO FREE BUFFERS A PAGE IS OBTAINED AND BROKEN INTO TWO NEW BUFFERS.

.....

FREE A 256 WORD BUFFER

1

THE APPROPRIATE BIT IS SET IN PGMAP SHOWING THAT THE BUFFER IS FREE. THE WHOLE PAGES ARE RELEASED FROM THE TOP OF THE GHOSTS MEMORY UNTIL ONE IS FOUND WHICH HAS AT LEAST ONE BUFFER STILL

MO1 15:40 SEP 08, 175

4506	02	00D19	F8100004	A
4507	02	00D1A	25F00002	A
4508	02	00D1B	F9800004	A
4509	02	00D1C	048011E3	
4510	02	00D1D	332000CE	03
4511	02	00D1E	35F000CF	03
4512	02	00D1F	68000D18	
4513				
4514		02 00D20		
4515	02	00D20	358000EF	03
4516		02 00D21		
4517	02	00D21	02200000	A
4518	02	00D22	0800008C	03
4519	02	00D23	524A0000	X
4520	02	00D24	49300054	
4521	02	00D25	22600000	A
4522	02	00D26	33F00000	X
4523	02	00D27	68100D30	
4524	02	00D28	33100000	X
4525	02	00D29	32600000	X
4526	02	00D2A	33F000C6	03
4527	02	00D2B	68100D30	
4528	02	00D2C	331000C6	03
4529	02	00D2D	22401332	
4530	02	00D2E	22800D8E	
4531	02	00D2F	68000B68	
4532				
4533				
4534				
4535				
4536				
4537				
4538				
4539				
4540				
4541				
4542				

BGEZ	*R4
SLS,R15	2
B0D	*R4
CAL1,8	FREPG
MTW,2	PGCNT
STW,R15	PGMAP
B	F1

WMFF	EQU *
	STW,R8 WMFA
WMF	EQU *
	LCI 0
	PSM,R0 TMPSTK
	LH,R4 RBHIMFX,R5
	BNEZ WMF5
	LI,R6 0
	MTW,-1 BL,0FS
	BGEZ WMF1
	MTW,1 BLI0FS
	LW,R6 MFBIT
	MTW,-1 MFFS
	BGEZ WMF1
	MTW,1 MFFS
	LI,R4 NOBLM
	LI,R8 WMFX
	B TEL00P1

WRITE A MESSAGE FILE
 A SLOT AND GRANULE ARE OBTAINED IN
 POSSIBLE WAY THEN THE ENTRY IS BUILT
 APPROPRIATE TO THE TYPE OF MESSAGE
 (REMOTE, RES-ABORT, DISPLAY). THE EN
 IS CHAINED TO THE MESSAGE FILE PRIOR
 CHAIN AND THE GRANULE IS WRITTEN.
 SYMBIONT IS CLOSED WITH A FLINK OF
 AND MULTI-GRANULE MESSAGE FILES ARE
 SEPERATE OUTPUT FILES.

*
 *
 0 MESSAGE: OUT OF MFILE SLOTS - MFILE LOST
 0
 0 MEANING: ALL OF THE OUTPUT BATCH QUEUE SLOTS WERE FULL SO A
 0 MESSAGE FILE (DISPLAY FOR LP OR JOB ABORT LISTING)
 0 COULD NOT BE OUTPUT
 0
 0 ACTION: NONE - INFORMATION ONLY. IF THIS MESSAGE OCCURS AND
 0 THE OUTPUT BATCH QUEUE IS NOT FULL THERE IS A SERIOUS
 0 SYSTEM PROBLEM - ROOT FROM RAD

```

4543
4544
4545
4546          02 00D30
4547 02 00D30 22300025 A
4548 02 00D31 52460024 03
4549 02 00D32 52B80000 X
4550 02 00D33 55B60024 03
4551 02 00D34 554A0000 X
4552 02 00D35 21500000 N
4553 02 00D36 68300D3E
4554 02 00D37 72BA0000 X
4555 02 00D38 721A0000 X
4556 02 00D39 72120000 X
4557 02 00D3A 720A0000 X
4558 02 00D3B 4B100000 A
4559 02 00D3C 22000000 A
4560 02 00D3D 68000D41
4561          02 00D3E
4562 02 00D3E 22B00000 A
4563 02 00D3F 32000054 03
4564 02 00D40 22100006 A
4565          02 00D41
4566 02 00D41 55080000 X
4567 02 00D42 75180000 X
4568 02 00D43 75B80000 X
4569 02 00D44 22A00000 A
4570 02 00D45 35A80000 X
4571 02 00D46 22B00000 N
4572 02 00D47 68300D4A
4573 02 00D48 35A80000 X
4574 02 00D49 75A80000 X
4575 02 00D4A 22A00001 A
4576 02 00D4B 75A80000 X
4577 02 00D4C 55A80000 X
4578 02 00D4D 6AA00D91
4579 02 00D4E 321A0000 X
    
```

B

*

*

WMF1

```

EQU $
LI,R3 FREQ
LH,R4 BH:HPRI,R3
LH,R11 BH:LINK,R4
STH,R11 BH:HPRI,R3
STH,R4 RBH:MF,X,R5
CI,R5 LCLX
BE WMF2
LB,R11 RBB:ID,R5
LB,R1 RBB:ISMD,R5
LB,R1 STB:TYP,R1
LB,R0 RBB:DSM,R5
AND,R1 R0
LI,R0 0
    
```

WMF2

```

B WMF3
EQU $
LI,R11 0
LW,R0 CURSID
LI,R1 6
    
```

WMF3

```

EQU $
STH,R0 BH:SID,R4
STB,R1 BB:DEV,R4
STB,R11 BB:RID,R4
LI,R10 0
STW,R10 BW:FORM,R4
LI,R11 BW:FBVL
BEZ *+3
STW,R10 BW:FBVL,R4
STB,R10 BB:JDF,R4
LI,R10 1
STB,R10 BB:ICOPY,R4
STH,R10 BH:GRAN,R4
BAL,R10 GGRAN
LW,R1 RB:MFAD,R5
    
```

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4580 02 00D4F 35820000 A
 4581 02 00D50 30800006 A
 4582 02 00D51 35880000 X
 4583 02 00D52 22200000 A
 4584 02 00D53 352200FF A
 4585 02 00D54 WMF5
 4586 02 00D54 326A0000 X
 4587 02 00D55 329C0000 A
 4588 02 00D56 328000EF 03
 4589 02 00D57 48300D5F
 4590 02 00D58 21900001 A
 4591 02 00D59 48400D5D
 4592 02 00D5A 4AA00D91
 4593 02 00D5B 53180000 X
 4594 02 00D5C 48000D5F
 4595 02 00D5D 32800009 A
 4596 02 00D5E 20800001 A
 4597 02 00D5F WMF6
 4598 02 00D5F 22A00D72
 4599 02 00D60 WMF5
 4600 02 00D60 22100040 A
 4601 02 00D61 20700001 A
 4602 02 00D62 751E0000 A
 4603 02 00D63 WMF7
 4604 02 00D63 358C0000 A
 4605 02 00D64 32F00009 A
 4606 02 00D65 52800009 A
 4607 02 00D66 48800000 X
 4608 02 00D67 32C0122F
 4609 02 00D68 30C00008 A
 4610 02 00D69 32DA0000 X
 4611 02 00D6A 25D00002 A
 4612 02 00D6B 22E00400 A
 4613 02 00D6C 22000000 A
 4614 02 00D6D 6AB00C0B
 4615 02 00D6E 6AB00000 X
 4616 02 00D6F 02000000 A

STW,R8 0,R1
 AW,R8 R6
 STW,R8 BWISDA,R4
 LI,R2 0
 STW,R2 255,R1
 EQU \$
 LW,R6 RBIMFAD,R5
 LW,R9 0,R6
 LW,R8 WMFA
 BEZ WMF6
 CI,R9 1
 BAZ \$+4
 BAL,R10 GGRAN
 MTH,1 BHIGRAN,R4
 B WMF6
 LW,R8 R9
 AT,R8 1
 EQU \$
 LI,R10 WMF8
 EQU \$
 LI,R1 X'40'
 AT,R7 1
 STB,R1 0,R7
 EQU \$
 STW,R8 0,R6
 LW,R15 R9
 LW,R8 R9
 AND,R8 DCT,MASK
 LW,R12 WDSKFCN
 AW,R12 R8
 LW,R13 RB,MFAD,R5
 SLS,R13 2
 LI,R14 1024
 LI,R0 0
 BAL,R11 SVIV
 BAL,R11 NEWG
 NSP

*****RCVRY*****

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4617	02	00D70	35B000DC	03
4618	02	00D71	F800000A	A
4619		02 00D72		
4620	02	00D72	359C00FF	A
4621	02	00D73	22900000	A
4622	02	00D74	469000EF	03
4623	02	00D75	69300D8E	
4624	02	00D76	522A0000	X
4625	02	00D77	6A800DA6	
4626	02	00D78	221000FF	A
4627	02	00D79	CB100002	03
4628	02	00D7A	21100009	A
4629	02	00D7B	69300D83	
4630	02	00D7C	32100000	X
4631	02	00D7D	35140000	X
4632	02	00D7E	22100004	A
4633	02	00D7F	75140000	X
4634	02	00D80	22100022	A
4635	02	00D81	22800D8E	
4636	02	00D82	68000389	
4637		02 00D83		
4638	02	00D83	22100021	A
4639	02	00D84	6A800389	
4640	02	00D85	22800D8E	
4641	02	00D86	21500000	N
4642	02	00D87	68300B93	
4643	02	00D88	723A0000	X
4644	02	00D89	22100002	A
4645	02	00D8A	51160000	X
4646	02	00D8B	68400BEB	
4647	02	00D8C	72160000	X
4648	02	00D8D	68300BBF	
4649		02 00D8E		
4650	02	00D8E	02200000	A
4651	02	00D8F	0A00008C	03
4652	02	00D90	F8000008	A
4653		02 00D91		

WMF8

GINCWMF

WMFX

GGRAN

STW,R11	SVZ
B	*R10
EQU	*
STW,R9	255,R6
LI,R9	0
XW,R9	WMFA
BNEZ	WMFX
LW,R2	RBHIMFX,R5
BAL,R8	CLEARMF
LI,R1	XIFFI
AND,R1	*SVCBF
CI,R1	9 GIFNC GFC
BNE	GINCWMF
LW,R1	S;DSPKEY
STW,R1	BWIFORM,R2
LI,R1	4
STB,R1	BB;DEV,R2
LI,R1	NCIPRI
LI,R8	WMFX
B	ADDIT
EQU	*
LI,R1	MFPRI
BAL,R8	ADDIT
LI,R8	WMFX
CI,R5	LCLX
BE	STRTSYM
LB,R3	RBB;SMD,R5
LI,R1	0CBIT
CH,R1	STH;FLG,R3
BAZ	PNB3
LB,R1	SSIG,R3
BEZ	SYSG1
EQU	*
LCI	0
PLM,R0	TMPSTK
B	*R8
EQU	*

- * MASK FOR GFC
- * GET CUR GFC
- * IS IT GIFNC
- * NOPE CONTINUE
- * GET MAGIC NAME
- * ..MARK IT
- * SET TO 'CRI' NCTL
- *
- * MOVE ENTRY TO NCTL CHAIN
- * SET ADDIT EXIT TO WMF XIT
- *
- *

.....

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```

4654 02 00D91 6AB00COB
4655 02 00D92 22070B00 A
4656 02 00D93 6AB00000 X
4657 02 00D94 69300D97
4658 02 00D95 048011E4
4659 02 00D96 68000D92
4660 02 00D97 358000DC 03
4661 02 00D98 F800000A A
4662 02 00D99 00D99
4663 02 00D99 52AA0000 X
4664 02 00D9A 68300DA6
4665 02 00D9B 02200020 A
4666 02 00D9C 0880008C 03
4667 02 00D9D 22800000 A
4668 02 00D9E 326A0000 X
4669 02 00D9F 329C0000 A
4670 02 00DA0 6AA00D63
4671 02 00DA1 522A0000 X
4672 02 00DA2 22100023 A
4673 02 00DA3 6AB00389
4674 02 00DA4 02200020 A
4675 02 00DA5 0A80008C 03
4676 02 00DA6 00DA6
4677 02 00DA6 22600000 A
4678 02 00DA7 556A0000 X
4679 02 00DA8 466A0000 X
4680 02 00DA9 F8300008 A
4681 02 00DAA 0980008C 03
4682 02 00DAB 6A400D12
4683 02 00DAC 0880008C 03
4684 02 00DAD F8000008 A
4685 02 00DAE
4686 02 00DAE 3590005A 03
4687 02 00DAE 21900208 A
4688 02 00DAF 68400DB9
4689 02 00DB0
4690 02 00DB1 31900000 X
    
```

```

BAL,R11 SVIV
LI,R0 XI70B001
BAL,R11 GBG
BNEZ $+3
CAL1,8 WAIT
B GGRAN+1
STW,R8 SVZ
B *R10
RELMF EQU $
LH,R10 RBH:MFX,R5
BEZ CLEARMF
LCI 2
PSM,R8 TMPSTK
LI,R8 0
LW,R6 RB:MFX,R5
LW,R9 0,R6
BAL,R10 WMF7
LH,R2 RBH:MFX,R5
LI,R1 DELPR1
BAL,R8 ADDIT
LCI 2
PLM,R8 TMPSTK
CLEARMF EQU $
LI,R6 0
STH,R6 RBH:MFX,R5
XW,R6 RB:MFX,R5
BEZ *R8
PSW,R8 TMPSTK
BAL,R4 FRE256
PLW,R8 TMPSTK
B *R8
*****
RB$HU EQU $ REMOTE BATCH HANG UP
STW,R9 FLAGS
CI,9 ACTBIT,LIPBIT ;
BAZ HU1
CW,R9 DIALBIT
    
```

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4691 02 00DB2 69400DB5
 4692 02 00DB3 22100040 A
 4693 02 00DB4 471A0000 X
 4694 02 00DB5 21940000 A
 4695 02 00DB6 68400DB9
 4696 02 00DB7 2240126D
 4697 02 00DB8 6A800B65

4698
 4699
 4700
 4701
 4702
 4703
 4704
 4705
 4706
 4707
 4708
 4709

4710 02 00DB9
 4711 02 00DB9 723A0000 X
 4712 02 00DBA 68300DE4
 4713 02 00DBB 22100021 A
 4714 02 00DBC 22B00DBF
 4715 02 00DBD 68000839
 4716 02 00DBE 68000DC2
 4717 02 00DBF 21100021 A
 4718 02 00DC0 68300540
 4719 02 00DC1 680004D6
 4720 02 00DC2
 4721 02 00DC2 72400000 X
 4722 02 00DC3 68300DC8
 4723 02 00DC4 72A80000 X
 4724 02 00DC5 68300DC8
 4725 02 00DC6 3240000A A
 4726 02 00DC7 68000DC4
 4727 02 00DC8

BAN2 \$+3
 LI,R1 0ADBIT
 STS,R1 RBIFLAG,R5
 CI,R9 EDISBIT
 BAZ HU1
 LI,R4 EDISM
 BAL,R8 TEL,0PR1

*
 *
 0
 0
 0
 0
 0
 0
 0
 0
 *
 *

MESSAGE: *RBNDD ERROR MAX
 MEANING: RBNDD IS ABOUT TO BE DISCONNECTED BECAUSE THE MAXIMUM LINE ERRORS WERE EXCEEDED
 ACTION: IF THIS OCCURS REPEATEDLY ON THE SAME LINE INVESTIGATE THE MODEMS AND DATA SET CONTROLLERS

HU1

EQU \$
 LB,R3 RBB:ID,R5
 BEZ HU25
 LI,R1 MFPRI
 LI,R11 \$+3
 B ALL2
 B HU2
 CI,R1 MFPRI
 BE DEL
 B HLD

HU2

EQU \$
 LB,R4 STB:LNK
 BEZ GOTTAIL
 LB,R10 STB:LNK,R4
 BEZ GOTTAIL
 LW,R4 R10
 B \$=3
 GOTTAIL EQU \$

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4728	02	00DC8	31901490	
4729	02	00DC9	68400DD0	
4730	02	00DCA	723A0000	X
4731	02	00DCB	69300DCE	
4732	02	00DCC	723A0000	X
4733	02	00DCD	68300DD0	
4734	02	00DCE	048011E4	
4735	02	00DCF	68000DC8	
4736		02 00DD0		
4737	02	00DD0	723A0000	X
4738	02	00DD1	68300DE2	
4739	02	00DD2	72A60000	X
4740	02	00DD3	75AA0000	X
4741	02	00DD4	72A60000	X
4742	02	00DD5	69300DD8	
4743		02 00DD6		
4744	02	00DD6	22A00000	A
4745	02	00DD7	75A60000	X
4746	02	00DD8	75380000	X
4747	02	00DD9	32400003	A
4748	02	00DDA	68000DD0	
4749		02 00DDB		
4750	02	00ddb	72A60000	X
4751	02	00DDC	69300DD6	
4752	02	00DDD	52160000	X
4753	02	00DDE	68300DD6	
4754	02	00DDF	221000D8	A
4755	02	00DE0	22800DD6	
4756	02	00DE1	68000BC0	
4757		02 00DF2		
4758	02	00DE2	22300000	A
4759	02	00DE3	75380000	X
4760		02 00DF4		
4761	02	00DE4	31901499	
4762	02	00DE5	68400DFA	
4763	02	00DE6	6AB00C0B	
4764	02	00DE7	463A0000	X

	CW,R9	HASPBIT
	BAZ	GTT1
	LB,R3	RBB;H0U,R5
	BNEZ	*+3
	LB,R3	RBB;MIN,R5
	BEZ	GTT1
	CAL1,8	WAIT
	B	G0TTAIL
GTT1	EQU	*
	LB,R3	RBB;HFE,R5
	BEZ	SYMD0N
	LB,R10	STB;LNK,R3
	STB,R10	RBB;HFE,R5
	LB,R10	SSIG,R3
	BNEZ	FXSYM
CLSSYM	EQU	*
	LI,R10	0
	STB,R10	STB;TYP,R3
	STB,R3	STB;LNK,R4
	LW,R4	R3
	B	GTT1
FXSYM	EQU	*
	LB,R10	SSTAT,R3
	BNEZ	CLSSYM
	LW,R1	SCNTXT,R3
	BEZ	CLSSYM
	LI,R1	'Q'
	LI,R8	CLSSYM
	B	SYSG
SYMD0N	EQU	*
	LI,R3	0
	STB,R3	STB;LNK,R4
HU25	EQU	*
	CW,R9	BSCBTS
	BAZ	HU3
	BAL,R11	SVIV
	XW,R3	RB;BUF,R5

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4765 02 00DE8 68300DFA
4766 02 00DE9 31901491
4767 02 00DEA 68400DF9
4768 02 00DEB 31901492
1* 02 00DEC 68400DEF
2* 02 00DED 38901492
3* 02 00DEE 68000DF9
4773 02 00DEF 353000F0 03
4774 02 00DF0 737000F0 03
4775 02 00DF1 048000F0 03
4776 02 00DF2 6D000037 A
4777 02 00DF3 32800000 X
4778 02 00DF4 35810000 A
4779 02 00DF5 35300000 X
4780 02 00DF6 6D000027 A
4781 02 00DF7 048011E7
4782 02 00DF8 68000DFA
4783 02 00DF9 6AB00000 X
4784 02 00DFA 000DFA
4785 02 00DFA 35B00000 03
4786 02 00DFB 6A800D99
4787 02 00DFC 22600000 A
4788 02 00DFD 756A0000 X
4789 02 00DFE 756A0000 X
4790 02 00DFE 756A0000 X
4791 02 00E00 756A0000 X
4792 02 00E01 756A0000 X
4793 02 00E02 756A0000 X
4794 02 00E03 31901490
4795 02 00E04 69400E09
4796 02 00E05 22100050 A
4797 02 00E06 751A0000 X
4798 02 00E07 22100078 A
4799 02 00E08 751A0000 X
4800 02 00E09 00E09
1* 02 00E09 21900208 A
4802 02 00E0A 68400020

HU3

HU4

BEZ HU3
CW,R9 2780BIT
BAZ HU3-1
CW,R9 3780BIT
BAZ *+3
SW,R9 3780BIT
B HU3-1
STW,R3 SAD
MTB,7 SAD
CAL1,8 SAD
WD,0 X1371
LW,R8 SP00L
STW,R8 VP
STW,R3 SP00L
WD,0 X1271
CAL1,8 FVP
B HU3
BAL,R11 T,RSPP
EQU \$
STW,R11 SVZ
BAL,R8 RELMF
LI,R6 0
STB,R6 RBB,1D,R5
STB,R6 RBB,ISMD,R5
STB,R6 RBB,HSU,R5
STB,R6 RBB,HIN,R5
STB,R6 RBB,HFE,R5
STB,R6 RBB,BCB,R5
CW,R9 HASPBIT
BANZ HU4
LI,R1 80
STB,R1 RBB,CPZ,R5
LI,R1 120
STB,R1 RBB,LPZ,R5
EQU \$
CI,R9 ACTBIT+LIPBIT
BAZ CTR1

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4803 02 00E0B 32901498
4804 02 00E0C 489A0000 X
4805 02 00E0D 21900040 A
4806 02 00E0E 68400E10
4807 02 00E0F 2091FFC0 A
4808 02 00E10 21901490
4809 02 00E11 68400E19
4810 02 00E12 22100000 N
4811 02 00E13 68300E19
4812 02 00E14 351A0000 X
4813 02 00E15 22100000 N
4814 02 00E16 351A0000 X
4815 02 00E17 38901490
4816 02 00E18 49901491
4817 02 00E19 00E19
4818 02 00E19 359A0000 X
4819 02 00E1A 22401263
4820 02 00E1B 22800020
4821 02 00E1C 68000B65
4822
4823
4824
4825
4826
4827
4828
4829
4830
4831
4832
4833
4834 02 00E1D
4835 02 00E1D 22500000 N
4836 02 00E1E 323011EC
4837 02 00E1F 6AA00E3F
4838 02 00E20 22100000 N
4839 02 00E21 68300020

LW,R9 SGBITS
AND,R9 RBIFLAG,R5
CI,R9 0ADBIT
BAZ \$+2
AI,R9 0FFBIT,0ADBIT
CW,R9 HASPBIT
BAZ HUS5
LI,R1 278018
BEZ HUS5
STW,R1 DCT8,R5
LI,R1 2780CU
STW,R1 DCT9,R5
SW,R9 HASPBIT
OR,R9 2780BIT
HUS5 EQU \$
STW,R9 RBIFLAG,R5
LI,R4 HUMES
LI,R8 CTR1
B TEL#0PR1

*
*
0 MESSAGE: *RBNDD DISCONNECTED
0
0 MEANING: THE REMOTE TERMINAL CONNECTED TO RBNDD HAS DISCONNECTED
0 OR BEEN DISCONNECTED BY THE SYSTEM
0
0 ACTION: NONE - INFORMATION ONLY
0
*
*

KBCST EQU * PROCESS RBBDCST KEYIN VIA KMES
LI,R5 LCLX
LW,R3 BCSTPTR
BAL,R10 KMES
LI,R1 ML*CTL
BEZ CTR1

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4840	02	00E22	22D00002	A
4841	02	00E23	32500000	X
4842	02	00E24	68000E26	
4843		02	00E25	
4844	02	00E25	205FFFFFF	A
4845	02	00E26	31500001	N
4846	02	00E27	69100E3B	
4847	02	00E28	72AA0000	X
4848	02	00E29	68300E25	
4849	02	00E2A	722A0000	X
4850	02	00E2B	68300E25	
4851	02	00E2C	51D40000	X
4852	02	00E2D	68400E25	
4853	02	00E2E	321000EE	03
4854	02	00E2F	69300E38	
4855	02	00E30	322011EC	
4856	02	00E31	323011ED	
4857	02	00E32	75400003	A
4858	02	00E33	61200000	A
4859	02	00E34	2040000B	A
4860	02	00E35	754001F9	03
4861	02	00E36	221001F9	03
4862	02	00E37	351000EE	03
4863		02	00E38	
4864	02	00E38	6AB00759	
4865	02	00E39	22800E28	
4866	02	00E3A	68000D21	
4867		02	00E3B	
4868	02	00E3B	22500000	N
4869	02	00E3C	22400000	A
4870	02	00E3D	354000EE	03
4871	02	00E3E	68000020	
4872		02	00E3F	
4873	02	00E3F	6A800C14	
4874	02	00E40	32F00003	A
4875	02	00E41	22204A1D	
4876	02	00E42	61200000	A

KBW1

KBH2

KBHD

KMES

LI,R13	0CBIT
LW,R5	RBLIMS
B	*+2
EQU	\$
AI,R5	=1
CW,R5	RBLIMS+1
BL	KBHD
LB,R10	RBB:ID,R5
BFZ	KBH1
LB,R2	RBB:SMO,R5
BFZ	KBH1
CH,R13	STH:FLG,R2
BAZ	KBH1
LW,R1	CCTMP
BNEZ	KBH2
LW,R2	BCSTPTR
LW,R3	SNDPTR
STB,R4	R3
MBS,R2	0
AI,R4	0PMSZ
STB,R4	0PMES
LI,R1	0PMES
STW,R1	CCTMP
EQU	\$
BAL,R11	MOVEMES
LI,R8	KBH1
B	WMF
EQU	\$
LI,R5	LCLX
LI,R4	0
STW,R4	CCTMP
B	CTR1
EQU	\$
BAL,R8	SVIV1
LW,R15	R3
LI,R2	BA(80BLNK)+1
MBS,R2	0

MOVE KEYIN MESSAGE TO APPROPRIATE B
 !
 THE BUFFER IS BLANK FILLED THEN THE
 (IF ANY) IS MOVED IN AND THE MONITOR
 BUFFER IS RELEASED

H01 15:40 SEP 08, '75

4877 02 00E43 32EE0002 A
 4878 02 00E44 F830000A A
 4879 02 00E45 F240000E A
 4880 02 00E46 25E00002 A
 4881 02 00E47 20E00001 A
 4882 02 00E48 7540000F A
 4883 02 00E49 61E00000 A
 4884 02 00E4A 32EE0002 A
 4885 02 00E4B 6AB00000 X
 4886 02 00E4C 35B0000C 03
 4887 02 00E4D F800000A A
 4888 02 00E4E
 4889 02 00E4E 323011ED
 4890 02 00E4F 6AA00E3F
 4891 02 00E50 723A0000 X
 4892 02 00E51 68300020
 4893 02 00E52 2040000B A
 4894 02 00E53 754001F9 03
 4895 02 00E54 221001F9 03
 4896 02 00E55 22C00020
 4897 02 00E56
 4898 02 00E56 0910008C 03
 4899 02 00E57 6A4003BF
 4900 02 00E58 3240000C A
 4901 02 00E59 0810008C 03
 4902 02 00E5A 6AB00759
 4903 02 00E5B 3140000C A
 4904 02 00E5C F930000C A
 4905 02 00E5D 6800070F
 4906
 4907 02 00E5E
 4908 02 00E5E 323011EE
 4909 02 00E5F 6AA00E3F
 4910 02 00E60 723A0000 X
 4911 02 00E61 68300020
 4912 02 00E62 754002AC 03
 4913 02 00E63 31901493

KSEND

0NEMES

KCOM

LW,R14 2,R7
 BEZ *R10
 LB,R4 *R14
 SLS,R14 2
 AI,R14 1
 STB,R4 R15
 MRS,R14 0
 LW,R14 2,R7
 BAL,R11 RMB
 STW,R11 SVZ
 B *R10
 EQU \$
 LW,R3 SNDPTR
 BAL,R10 KMES
 LB,R3 RBB:ID,R5
 BEZ CTR1
 AI,R4 0PM52
 STB,R4 0PMES
 LI,R1 0PMES
 LI,R12 CTR1
 EQU \$
 PSW,R1 TMPSTK
 BAL,R4 SETHDR
 LW,R4 R12
 PLW,R1 TMPSTK
 BAL,R11 MOVEMES
 CW,R4 R12
 BNE *R12
 B FINWRT

 PROCESS RBSEND KEYIN
 GO TO KMES TO PUT THE MESSAGE IN THE
 MESSAGE. MOVE THE MESSAGE TO THE MF

*****!:

H01 15:40 SEP 08, 1975

4914	02	00E64	68400E87		BAZ	KCOMERR	
4915	02	00E65	221002AC	03	LI,R1	ID	
4916	02	00E66	723A0000	X	LB,R3	RBB:SMO,R5	
4917	02	00E67	68300E6D		BEZ	KCOMX	
4918	02	00E68	22200002	A	LI,R2	OCBIT	
4919	02	00E69	81260000	X	CH,R2	STH:PLG,R3	
4920	02	00E6A	68400E6D		BAZ	KCOMX	
4921	02	00E6B	22C00020		LI,R12	CTR1	
4922	02	00E6C	68000E56		B	ONEMES	
4923		02	00E6D		KCOMX	EQU	\$
4924	02	00E6D	22CFD6C3	A	LI,R12	X'FD6C3'	'BC'
4925	02	00E6E	6A40089E		BAL,R4	GTDVX	
4926	02	00E6F	68000E87		B	KCOMERR	
4927	02	00E70	0950008C	03	PSW,R5	TMPSTK	
4928	02	00E71	0930008C	03	PSW,R3	TMPSTK	
4929	02	00E72	22500000	N	LI,R5	LCLX	
4930	02	00E73	3550005E	03	STW,R5	KOMP	
4931	02	00E74	6AB00759		BAL,R11	MOVEMES	
4932		02	00E75		KCOMM	EQU	\$
4933	02	00E75	6A800D21		BAL,R8	WMF	
4934	02	00E76	0830008C	03	PLW,R3	TMPSTK	
4935	02	00E77	0850008C	03	PLW,R5	TMPSTK	
4936	02	00E78	22100021	A	LI,R1	MFPRI	
4937	02	00E79	52220037	03	LH,R2	BHITPRI,R1	
4938	02	00E7A	22100000	A	LI,R1	O	
4939	02	00E7B	3510005E	03	STW,R1	KOMP	
4940	02	00E7C	55140000	X	STH,R1	BHISID,R2	
4941	02	00E7D	72160000	X	LB,R1	STB:TYP,R3	
4942	02	00E7E	724A0000	X	LB,R4	RBB:DSM,R5	
4943	02	00E7F	4B100004	A	AND,R1	R4	
4944	02	00E80	75140000	X	STB,R1	BBIDEV,R2	
4945	02	00E81	721A0000	X	LB,R1	RBB:ID,R5	
4946	02	00E82	75140000	X	STB,R1	BBIRID,R2	
4947	02	00E83	72160000	X	LB,R1	SSIG,R3	
4948	02	00E84	69300020		BNEZ	CTR1	
4949	02	00E85	22800020		LI,R8	CTR1	
4950	02	00E86	680008BF		B	SYSG1	

4951 02 00E87 2240125B
 4952 02 00E88 22800020
 4953 02 00E89 68000868
 4954
 4955
 4956
 4957
 4958
 4959
 4960
 4961
 4962
 4963
 4964
 4965
 4966
 4967
 4968 02 00E8A 32EE0002 A
 4969 02 00E8B 6AB00E80
 4970 02 00E8C 21100010 A
 4971 02 00E8D 69200E91
 4972 02 00E8E 324000ED 03
 4973 02 00E8F 68300F46
 4974 02 00E90 68000F7C
 4975 02 00E91 53040000 X
 4976 02 00E92 69380000 A
 4977
 4978
 4979 02 00E93 35E40000 X
 4980 02 00E94 331000ED 03
 4981 02 00E95 68080000 A
 4982 02 00E96 6AB00E80
 4983 02 00E97 32EE0002 A
 4984 02 00E98 21100010 A
 4985 02 00E99 68200E9F

KCOMERR EQU \$
 LI,R4 KCOMEM
 LI,R8 CTR1
 B TEL,OP1

*
 *
 0 MESSAGE: *RBCOM ILLEGAL FOR THIS STATION
 0
 0 MEANING: AN RBCOM KEYIN HAS SPECIFIED A WORKSTATION THAT IS
 0 NEITHER SLAVE (SLV) OR ANOTHER CP-V SYSTEM (X2)
 0
 0 ACTION: CHECK WHETHER THE WORKSTATION SPECIFIED WAS CORRECT.
 0 IF SO, RSEND IS PROBABLY THE CORRECT KEYIN
 0
 *
 *

KFFRM EQU \$
 LW,R14 2,R7
 BAL,R11 KFND
 CI,R1 RUNPRI
 BG *+4
 LW,R4 SYMINDX
 BEZ KNF1
 B LCLCTR1
 MTH,0 BHICOMID,R2
 BNEZ O,R4

IS THIS A COMODE FILE
 YES! CAN'T CHANGE FORM CAUSE...
 MORE MAY BE ON THE WAY

*
 STW,R14 BW,FORM,R2
 MTW,1 SYMINDX
 B O,R4

PROCESS PRI0 KEYIN
 BAL TO KFND TO GET CORRECT ENTRY(S)
 NO NOT ALLOW ZERO PRIORITY OUTPUT.
 ZERO BBIPI. IF NO CHANGE DO NOTHIN

KPRI0 EQU \$
 BAL,R11 KFND
 LW,R14 2,R7
 PRI0CG EQU \$
 CI,R1 RUNPRI
 BLE PRI01

H01 15:40 SEP 08, '75

4988 02 00E9A 53040000 X
 4989 02 00E9B 68300E9D
 4990 02 00E9C 22600000 A
 4991 02 00E9D 20E00011 A
 4992 02 00E9E 68000EAC
 4993 02 00E9F
 4994 02 00E9F 32A00002 A
 4995 02 00EA0 25A00002 A
 4996 02 00EA1 20A00000 N
 4997 02 00EA2 F5E0000A A
 4998 02 00EA3 21100010 A
 4999 02 00EA4 F8300004 A
 5000 02 00EA5 22A00000 A
 5001 02 00EA6 75A40000 X
 5002 02 00EA7 35B00000 X
 5003 02 00EA8 32A00002 A
 5004 02 00EA9 25A00002 A
 5005 02 00EAA 20A00000 N
 5006 02 00EAB F5E0000A A
 5007 02 00EAC
 5008 02 00EAC 3110000E A
 5009 02 00EAD F8300004 A
 5010 02 00EAE 68000555
 5011 02 00EAF
 5012 02 00EAF 22B00540
 5013 02 00EB0
 5014 02 00EB0 22500000 N
 5015 02 00EB1 22100003 A
 5016 02 00EB2 D2C20007 A
 5017 02 00EB3 22100004 A
 5018 02 00EB4 F2620007 A
 5019 02 00EB5 69300EBA
 5020 02 00EB6 21B00540
 5021 02 00EB7 69300EBA
 5022 02 00EB8 22100022 A
 5023 02 00EB9 68000EBF
 5024 02 00EBA

PRI01

PRI02

KDEL

KFND

KF4

MTH,0 BHICOMID,R2
 BEZ *+2
 LI,R6 0
 AI,R14 08PRI
 B PRI02
 EQU *
 LW,R10 R2
 SLS,R10 2
 AI,R10 B4W,RES
 STB,R14 *R10
 CI,R1 RUNPRI
 BE *R4
 LI,R10 0
 STB,R10 BBIP1,R2
 STW,R11 SIMBSF
 LW,R10 R2
 SLS,R10 2
 AI,R10 B4W,RES
 STB,R14 *R10
 EQU *
 CW,R1 R14
 BE *R4
 B CHNGRSET
 EQU *
 LI,R11 DEL
 EQU *
 LI,R5 LCLX
 LI,R1 3
 LW,R12 *R7,R1
 LI,R1 *
 LB,R6 *R7,R1
 BNEZ KF4
 CI,R11 DEL
 BNE KF4
 LI,R1 NCIPRI
 B KF3
 EQU *

IN COMODE
NOPE! JUST A NICE NORMAL FELLOW

SAVE NEW PRI0 IN RESOURCE TBL
IS THIS THE RUNNING JOB
SURE DON'T WANT TO PRI0 HIM

PROCESS DELETE KEYIN BY POINTING KF1
TO DEL

FIND APPROPRIATE FILE FOR KEYIN ACT

GET SYSID AND DEVICE TYPE FROM COMB1
AND USE THEM TO FIND FILES REQUESTED
FOR EACH VALID FILE FOUND BAL ON R4

H01 15:40 SEP 08, 1975

5025 02 00EBA 21600004 A
5026 02 00EBB 69300EBE
5027 02 00EBC 22600001 A
5028 02 00EBD 201FFFE0 A
5029 02 00EBE 2010001D A
5030 02 00ERF
5031 02 00EBF 22400000 A
5032 02 00EC0 6A0002B6
5033 02 00EC1 68000F44
5034 02 00EC2 51C40000 X
5035 02 00EC3 693002B9
5036 02 00EC4 21100010 A
5037 02 00EC5 69300ECA
5038 02 00EC6 21B00E97
5039 02 00EC7 69300FC1
5040 02 00EC8 22400020
5041 02 00EC9 F800000B A
5042 02 00ECA
5043 02 00ECA 69200ECF
5044 02 00ECB 21600001 A
5045 02 00ECC 69200F44
5046 02 00ECD 22400020
5047 02 00ECE F800000B A
5048 02 00ECF
5049 02 00ECF 20600000 A
5050 02 00ED0 68300ED3
5051 02 00ED1 71640000 X
5052 02 00ED2 693002B9
5053 02 00ED3 224002B9
5054 02 00ED4 E800000B A
5055 02 00ED5
5056 02 00ED5 326000ED 03
5057 02 00ED6 20600001 N
5058 02 00ED7 22100000 A
5059 02 00ED8 35100252 03
5060 02 00ED9 35100253 03
5061 02 00EDA 35100078 03

KF3

KF3B

KF1

KF2

KSWIT

CI,R6 *
BNE *+3
LI,R6 1
AI,R1 FIPRI=MFPRI
AI,R1 MFPRI=4
EQU *
LI,R4 0
BAL,R0 FIND
B KNF
CH,R12 BH;SID,R2
BNE FIND1
CI,R1 RUNPRI
BNE KF3B
CI,R11 KPRI0+1
BNE KDR+1
LI,R4 CTR1
B *R11
EQU *
BG KF1
CI,R6 1
BG KNF
LI,R4 CTR1
B *R11
EQU *
AI,R6 0
BEZ KF2
CB,R6 BBIDEV,R2
BNE FIND1
LI,R4 FIND1
B *R11
EQU *
LW,R6 SYMINDX
AI,R6 SGCBUF+1
LI,R1 0
STW,R1 REC
STW,R1 REC+1
STW,R1 KSW*

218
THE ROUTINE POINTED TO BY R11. IF
THE APPROPRIATE FILE DOESNT EXIST 0
IS RUNNING GO TO KNF.

GET HERE VIA PRI0 KEYIN
NOPE

YEP; DONT MATTER IF HE'S RUNNING

.....
PROCESS RBSWITCH KEYIN

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5062	02	00EDB	25600002	A
5063	02	00EDC	30600005	A
5064	02	00EDD	32100005	A
5065	02	00EDE	22500000	N
5066	02	00EDF	6AA008B3	
5067	02	00EE0	68000F4F	
5068	02	00EE1	68000F35	
5069	02	00EE2	32DE0002	A
5070	02	00EE3	6A400694	
5071	02	00EE4	68000F4F	
5072	02	00EE5	35D00074	03
5073	02	00EE6	35100075	03
5074	02	00EE7	72100252	03
5075	02	00EE8	35100077	03
5076	02	00EE9	32100253	03
5077	02	00EEA	48101490	
5078	02	00EEB	47100077	03
5079	02	00EEC	22100003	A
5080	02	00EED	02C20007	A
5081	02	00EEE	22100020	A
5082	02	00EEF	6A0002B6	
5083	02	00EFF0	68000F38	
5084	02	00EFF1	21100010	A
5085	02	00EFF2	68200F38	
5086	02	00EFF3	51C40000	X
5087	02	00EFF4	69300289	
5088	02	00EFF5	32700000	X
5089	02	00EFF6	31740000	X
5090	02	00EFF7	694002B9	
5091	02	00EFF8	6B700077	03
5092	02	00EFF9	71740000	X
5093	02	00EFA	683002B9	
5094	02	00EFB	72740000	X
5095	02	00EFC	69300F13	
5096	02	00EFD	72740000	X
5097	02	00EFE	52AE0000	X
5098	02	00EFE	52AE0000	X

KSW2

SLS,R6	2
AW,R6	R5
LW,R1	R5
LI,R5	LCLX
BAL,R10	PRBCID
B	BKSW
B	KSW1
EQU	*
LW,R13	2,R7
BAL,R4	CVTYP
B	BKSW
STW,R13	TYPSW
STW,R1	SWTYP
LB,R1	REC
STW,R1	SWRID
LW,R1	REC+1
AND,R1	HASPBIT
STS,R1	SWRID
LI,R1	3
LW,R12	*R7,R1
LI,R1	FOPRI
BAL,R0	FIND
B	KSWDN
CI,R1	RUNPRI
BLE	KSWDN
CH,R12	BHISID,R2
BNE	FIND1
LW,R7	SWITBIT
CW,R7	BW,SDA,R2
BANZ	FIND1
INT,R7	SWRID
CB,R7	BBIRID,R2
BE	FIND1
LB,R7	BBIRID,R2
BNEZ	KSWR
LB,R7	BBIDEV,R2
LW,R10	OH,NM,R7

NO1	15:40	SEP 08,	'75					
5099	02	00EFF	31A00074	03		CW,R10	TYP SW	
5100	02	00F00	693002B9			BNE	FIND1	
5101	02	00F01	52D00077	03		LH,R13	SWRID	
5102	02	00F02	69300F05			BNEZ	KSWG0	
5103	02	00F03	21700005	A		CI,R7	5	
5104	02	00F04	69300F07			BNE	KSWG01	
5105	02	00F05	32D00000	X	KSWG0	LW,R13	SWITBIT	
5106	02	00F06	47D40000	X		STS,R13	BW,SDA,R2	HOW BOUT SW OF SW
5107	02	00F07	32D00075	03	KSWG01	LW,R13	SWTYP	
5108	02	00F08	75D40000	X		STB,R13	BBIDEV,R2	
5109	02	00F09	68D00077	03		INT,R13	SWRID	
5110	02	00FOA	75D40000	X		STB,R13	BBIRID,R2	
5111	02	00FOB	22A00800	A		LI,R10	HALBIT	
5112	02	00FOC	02200030	A		LCI	3	
5113	02	00FOD	0B00008C	03		PSM,R0	TMPSTK	
5114	02	00FOE	6A800379			BAL,R8	RBCHK	
5115	02	00FOF	02200030	A		LCI	3	
5116	02	00F10	0A00008C	03		PLM,R0	TMPSTK	
5117	02	00F11	33100078	03		MTW,1	KSW#	
5118	02	00F12	680002B9			B	FIND1	
5119		02 00F13			KSWR	EQU	\$	
5120	02	00F13	32D00079	03		LW,R13	KSWFLG	
5121	02	00F14	69300F1C			BNEZ	KSWR2	
5122	02	00F15	22A00F50			LI,R10	KSBR1+2	
5123	02	00F16	35A000DB	03		STW,R10	SV10	
5124	02	00F17	048011E2			CAL1,8	GTPG	
5125	02	00F18	35900079	03		STW,R9	KSWFLG	
5126	02	00F19	04101426			CAL1,1	0PNXX	
5127	02	00F1A	04101437			CAL1,1	RSXX	
5128	02	00F1B	0410141C			CAL1,1	CLSXX	
5129	02	00F1C	71700252	03	KSWR2	CB,R7	REC	
5130	02	00F1D	68300F27			BE	KSWR1	
5131	02	00F1E	0910008C	03		PSW,R1	TMPSTK	
5132	02	00F1F	32600079	03		LW,R6	KSWFLG	
5133	02	00F20	30600007	A		AW,R6	R7	
5134	02	00F21	30600007	A		AW,R6	R7	
5135	02	00F22	22A00F26			LI,R10	KSWR1=1	

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5136	02	00F23	68000088	
5137	02	00F24	68000F4D	
5138	02	00F25	68000F4D	
5139	02	00F26	0810008C	03
5140		02 00F27		KSWR1
5141	02	00F27	32D00074	03
5142	02	00F28	0910008C	03
5143	02	00F29	6A400694	
5144	02	00F2A	68000F3D	
5145	02	00F2B	32700001	A
5146	02	00F2C	0810008C	03
5147	02	00F2D	71740000	X
5148	02	00F2E	69300289	
5149	02	00F2F	32D01490	
5150	02	00F30	48D00253	03
5151	02	00F31	47D40000	X
5152	02	00F32	48D00077	03
5153	02	00F33	69300F05	
5154	02	00F34	68000F07	
5155		02 00F35		KSW1
5156	02	00F35	21400000	N
5157	02	00F36	693008C2	
5158	02	00F37	68000EE2	
5159		02 00F38		KSWDN
5160	02	00F38	6A400F3F	
5161	02	00F39	32400078	03
5162	02	00F3A	69300020	
5163	02	00F3B	22401253	
5164	02	00F3C	68000F4B	
5165				*
5166				*
5167				*0*
5168				*0*
5169				*0*
5170				*0*
5171				*0*
5172				*0*

B	A#L1
B	KSBR
B	KSBR
PLW,R1	TMPSTK
EQU	*
LW,R13	TYPSTW
PSW,R1	TMPSTK
BAL,R4	CVTYP
B	PF1
LW,R7	R1
PLW,R1	TMPSTK
CB,R7	BBIDEV,R2
BNE	FIND1
LW,R13	HASPBIT
AND,R13	REC+1
STS,R13	BWISDA,R2
EBR,R13	SWRID
BNEZ	KSWG0
B	KSWG01
EQU	*
CI,R4	LCLX
BNEZ	PIDO=1
B	KSW2
EQU	*
BAL,R4	FRECK
LW,R4	KSW#
BNEZ	CTR1
LI,R4	BKSW1M
B	KNF3

MESSAGE: *NOTHING VALID FOR RBSW FOUND

MEANING: A FILE WITH THE CORRECT SYSID AND DEVICE THAT HAD NOT ALREADY BEEN RBSWITCHED COULD NOT BE FOUND FOR AN RBS KEYIN

5173
5174
5175
5176
5177 02 00F3D 0810008C 03
5178 02 00F3E 480002B9
5179 02 00F3F
5180 02 00F3F 22A00000 A
5181 02 00F40 46A00079 03
5182 02 00F41 48380000 A
5183 02 00F42 048011E3
5184 02 00F43 68080000 A
5185 02 00F44
5186 02 00F44 20400000 A
5187 02 00F45 49300020
5188 02 00F46 204FFE9E A
5189 02 00F47 20400206 03
5190 02 00F48 32F0000C A
5191 02 00F49 6AB008E1
5192 02 00F4A 35D80002 A
5193 02 00F4B
5194 02 00F4B 22800020
5195 02 00F4C 68000B68
5196
5197
5198
5199
5200
5201
5202
5203
5204
5205
5206
5207
5208
5209

0
0
*
*
PF1
FREQK
KNF
KNF1
KNF2
KNF3

ACTION: REPEAT THE KEYIN CORRECTING THE PROBLEM

PLW,R1
B
EQU
LI,R10
XW,R10
BEZ
CAL1,8
B
EQU
AI,R4
BNEZ
AI,R4
AI,R4
LW,R15
BAL,R11
STW,R13
EQU
LI,R8
B

TMPSTK
FIND1
*
0
KSWFLG
0,R4
FREPG
0,R4
*
0
CTR1
NONEX,SMRIN
SMRIN
R12
HEXC
SYSD,R4
*
CTR1
TEL\$OP1

THE APPROPRIATE FILE WAS NOT FOUND OR IS RUNNING. TELL THE OPERATOR.

MESSAGE: *SYSID=XXXX DOESN'T EXIST

MEANING: THE SYSID SPECIFIED ON A PRI0, DELETE, RBSWITCH, FORM OR DISPLAY KEYIN IS NO LONGER IN THE SYSTEM

ACTION: CORRECTLY REPEAT THE KEYIN IF NECESSARY

MESSAGE: *SYSID=XXXX RUNNING

MEANING: THE SYSID SPECIFIED ON A PRI0,DELETE, FORM, RBSWITCH,

```

5210
5211
5212
5213
5214
5215
5216      02 00F4D
5217 02 00F4D 0810008C 03
5218 02 00F4E 6A400F3F
5219      02 00F4F
5220 02 00F4F 2240124C
5221 02 00F50 68000F4B
5222
5223
5224
5225
5226
5227
5228
5229
5230
5231
5232
5233
5234      02 00F51
5235 02 00F51 22100010 A
5236 02 00F52 2240003A A
5237 02 00F53 6AB00F72
5238 02 00F54 22400039 A
5239 02 00F55 326000ED 03
5240 02 00F56 20600001 N
5241 02 00F57 B2E00006 A
5242 02 00F58 32FC0001 A
5243 02 00F59 11E40000 X
5244 02 00F5A 69300F5D
5245 02 00F5B 6A400540
5246      02 00F5C
    
```

```

*0*
*0*
*0*
*0*
*
*
K5BR EQU $
PLW,R1 TMPSTK
K5BR1 BAL,R4 FRECK
BKSW EQU $
LI,R4 BKSWM
B KNF3
*
*
*0*
*0*
*0*
*0*
*0*
*0*
*0*
*0*
*0*
*0*
*
*****
JEDEL EQU $ PROCESS JOBENT DELETE
LI,R1 RUNPRI
LI,R4 X13A,
BAL,R11 JEFND AND 39 IF WRONG ACCOUNT. GO TO
LI,R4 X139, JEFND TO GET SYSID AND IF THE
LW,R6 SYMINDX ACCBUNT IN THE SECOND COMBUF IS
AI,R6 SGCBUF+1
LW,R14 *R6 THE SAME RELEASE THE FILE AND SET
LW,R15 1,R6 ERROR CODE=0
ANLZACCT CD,R14 BD,ACCT,R2
BNE JEX
BAL,R4 DEL
JEX1 EQU $
    
```

OR DISPLAY KEYIN IS RUNNING
 ACTION: CORRECTLY REPEAT THE KEYIN IF NECESSARY

MESSAGE: *BAD WSN OR DEV ON RBSW
 MEANING: THE WSN SPECIFIED ON AN RBSWITCH KEYIN DOES NOT EXIST
 OR THE DEVICE SPECIFIED DOES NOT EXIST AT IT
 ACTION: CORRECT AND REPEAT THE KEYIN

H01 15:40 SEP 08, 1975

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```

5247 02 00F5C 22400000 A
5248 02 00F5D 4B400000 X
5249 02 00F5D 354E0001 A
5250 02 00F5E 22600000 N
5251 02 00F5F 6AB00C14 X
5252 02 00F60 6AB00000 X
5253 02 00F61 35B000DC 03
5254 02 00F62 22500000 N
5255 02 00F63 6800002C
5256 02 00F64 22100021 A
5257 02 00F65 22400000 A
5258 02 00F65 6AB00F72 A
5259 02 00F66 21100010 A
5260 02 00F67 69100F6E A
5261 02 00F68 68300F6C A
5262 02 00F69 20400003 A
5263 02 00F6A 20400001 A
5264 02 00F6B 68000F5D
5265 02 00F6C 6AB005F4 A
5266 02 00F6D 35FE0002 A
5267 02 00F6E 22400002 A
5268 02 00F6F 68000F5D
5269 02 00F70 22300003 A
5270 02 00F71 02C60007 A
5271 02 00F72 22300004 A
5272 02 00F73 F2560007 A
5273 02 00F74 6A0002B6 A
5274 02 00F75 68000F5D
5275 02 00F76 6A0002B9 X
5276 02 00F77 693002B9
5277 02 00F78 6800083F
5278 02 00F79
5279 02 00F7A
5280 02 00F7B
5281
5282
5283

```

```

JEX LI,R4 0
EQU $
AND,R4 M24
STW,R4 1,R7
LI,R6 E:UGA
BAL,R8 SVIV1
BAL,R11 TIRUE
STW,R11 SVZ
LI,R5 LCLX
B CTR4

JESTAT EQU $
LI,R1 MFPRI
LI,R4 0
BAL,R11 JEFND
CI,R1 RUNPRI
BL JES1
BE $+2
AI,R4 3
AI,R4 1
B JEX

JES1 EQU $
BAL,R11 ST4
STW,R15 2,R7
LI,R4 2
B JEX

JEFND EQU $
LI,R3 3
LM,R12 *R7,R3
LI,R3 4
LB,R5 *R7,R3
BAL,R0 FIND
B JEX
CH,R12 BHSID,R2
BNE FIND1
B CKGB

*****
MBSCALL EQU $

```

```

-----
PUT INFO FROM PROCESSING ROUTINE IN
(SCRUB THE DA IF ANY)
*
WORD 1 OF COMBUF AND UNQUEUE THE USI
SO THAT HE CAN GET THE INFO. DONT
RELEASE THE BUFFER.

```

```

-----
PROCESS JOBENT STATUS REQUEST
:
GO TO JEFND TO GET THE SYSID REQUES
THEN USING THE PRIORITY TO GET THE
STATUS CODE. A CODE OF ZERO MEANS
JOBENT IN CORE SEES DOESN'T EXIST.
IF THE FILE IS INPUT GO TO ST4 TO G
THE NUMBER AHEAD AND PUT IT IN WORD
THE COMBUF.

```

```

GET THE SYSID AND USER NUMBER FROM
COMBUF AND USE THE SYSID TO FIND ON
ELEGIBLE FILE. (ANY SYSID IS IN ONL
ONE JOBENT STATUS STATE). WHEN FOU
GO TO THE APPROPRIATE ROUTINE. IF
FOUND GO DIRECTLY TO JEX SINCE ERRO
CODE IS ALREADY IN R4.

```

02 00F7B

MULTI BATCH SCHEDULE REQUEST.

H01 15:40 SEP 08, 1975

5284	02	00F7B	6AB00000	X
5285		02	00F7C	
5286	02	00F7C	22500000	N
5287	02	00F7D	68000020	
5288				
5289		02	00F7E	
5290	02	00F7E	32CE0001	A
5291	02	00F7F	21CFFFFFF	A
5292	02	00F80	69300F82	
5293	02	00F81	32C60000	X
5294	02	00F82	32DE0002	A
5295	02	00F83	21DFFFFFF	A
5296	02	00F84	69300F86	
5297	02	00F85	32D60000	X
5298	02	00F86	32E00005	A
5299	02	00F87	21E000FF	A
5300	02	00F88	69300F8A	
5301	02	00F89	72E60000	X
5302	02	00F8A	6A400F91	
5303	02	00F8B	68000F8E	
5304	02	00F8C	22500000	N
5305	02	00F8D	68000020	
5306		02	00F8E	
5307	02	00F8E	224013A0	
5308	02	00F8F	22800020	
5309	02	00F90	68000868	
5310				
5311				
5312				
5313				
5314				
5315				
5316				
5317				
5318				
5319				
5320				

LCLCTR1	BAL,R11	MBS
	EQU	\$
	LI,R5	LCLX
	B	CTR1

KFORM	EQU	\$
	LW,R12	1,R7
	CI,R12	=1
	BNE	*+2
	LW,R12	STW:FORM,R3
	LW,R13	2,R7
	CI,R13	=1
	BNE	*+2
	LW,R13	STW:FOV,R3
	LW,R14	R5
	CI,R14	XIFF1
	BNE	*+2
	LB,R14	STBIJDE,R3
	BAL,R4	FORMS
	B	KFBD
	LI,R5	LCLX
	B	CTR1
KFBD	EQU	\$
	LI,R4	BKFM
	LI,R8	CTR1
	B	TEL:OP1

*
*
8 MESSAGE: *ILLEGAL FORMS CHANGE
8
8 MEANING: AN ATTEMPT WAS MADE TO CHANGE THE FORM ON AN ACTIVE
8 OUTPUT DEVICE
8
8 ACTION: USE SYYNDD,L TO TERMINATE THE DEVICE, THEN REPEAT THE
8 SYYNDD,F'XXXX' KEYIN
*

```

5321
5322      02 00F91
5323 02 00F91 72F60000 X
5324 02 00F92 21F00001 A
5325 02 00F93 69400F99
5326 02 00F94 72F60000 X
5327 02 00F95 21F000D3 A
5328 02 00F96 68300F99
5329 02 00F97 21F00002 A
5330 02 00F98 69280000 A
5331      02 00F99
5332 02 00F99 35C60000 X
5333 02 00F9A 22F00000 N
5334 02 00F9B 68380001 A
5335 02 00F9C 35D60000 X
5336 02 00F9D 75E60000 X
5337 02 00F9E 68080001 A
5338
5339      02 00F9F
5340 02 00F9F 22500000 N
5341 02 00FA0 32CE0002 A
5342 02 00FA1 22600FB1
5343 02 00FA2 324E0001 A
5344 02 00FA3 68080FA7
5345 02 00FA4 68000FB9
5346 02 00FA5 68001104
5347 02 00FA6 68000FAC
5348      02 00FA7
5349 02 00FA7 22600FDB
5350 02 00FA8 22100022 A
5351      02 00FA9
5352 02 00FA9 6A0002B6
5353 02 00FAA 68001023
5354 02 00FAB 68000006 A
5355      02 00FAC
5356 02 00FAC 22600FC3
5357 02 00FAD 6A8009C9
    
```

```

*
FORMS EQU $
      LB,R15 SYMX,R3
      CI,R15 1
      BANZ FORM1
      LB,R15 SSIG,R3
      CI,R15 'L'
      BE FORM1
      CI,R15 2
      BG O,R4
FORM1 EQU $
      STW,R12 STW,FORM,R3
      LI,R15 STW,FBV
      BFZ 1,R4
      STW,R13 STW,FBV,R3
      STB,R14 STB,JDE,R3
      B 1,R4
*****
KDISP EQU $
      LI,R5 LCLX
      LW,R12 2,R7
      LI,R6 KDSy
      LW,R4 1,R7
      B $+4,R4
      B KDBUP
      B KDSYMB
      B KDNR
GINCD EQU $
      LI,R6 KDAL
      LI,R1 NCIPRI
KDISF EQU $
      BAL,R0 FIND
      B KDSPDN
      B *R6
KDNR EQU $
      LI,R6 KDNR1
      BAL,R8 PRCK
    
```

```

PROCESS DISPLAY KEYINS
:
WORDS 1 AND 2 OF COMBUF ARE
:
DISPLAY 0,0

DISPLAY ID 1,ID

DISPLAY NORUN -1,-5
:
FIRST DETERMINE TYPE OF DISPLAY AND
SET R6 TO THE ROUTINE FOR PROCESSING
THIS OPTION. THEN GO TO FIND AND E
ROUTINE FOR EACH SYSID FOUND. EVER
BUT NORUN SEARCHES WHOLE CHAIN. NO
SEARCHES INPUT ONLY.
    
```

H01

15140 SEP 08 175

5358 02 00FAE 35D0005C 03
 5359 02 00FAF 2210000F A
 5360 02 00FB0 48000FA9
 5361 02 00FB1
 5362 02 00FB1 51C40000 X
 5363 02 00FB2 693002B9
 5364 02 00FB3 22500349 03
 5365 02 00FB4 21100010 A
 5366 02 00FB5 68300FC0
 5367 02 00FB6 69200FC7
 5368 02 00FB7 22500376 03
 5369 02 00FB8 68000FC7
 5370 02 00FB9
 5371 02 00FBA 6A600FA8
 5372 02 00FBA 21100010 A
 5373 02 00FBB 68201023
 5374 02 00FBC 22500349 03
 5375 02 00FBD 6A401127
 5376 02 00FBE 680002B9
 5377 02 00FBF 68000FC7
 5378 02 00FC0
 5379 02 00FC0 22500000 N
 5380 02 00FC1
 5381 02 00FC1 22400000 A
 5382 02 00FC2 68000F47
 5383 02 00FC3
 5384 02 00FC3 52F40000 X
 5385 02 00FC4 31F0005C 03
 5386 02 00FC5 694002B9
 5387 02 00FC6 22500376 03
 5388 02 00FC7
 5389 02 00FC7 22800004 A
 5390 02 00FC8 21800000 N
 5391 02 00FC9 68200FCB
 5392 02 00FCA 22800000 N
 5393 02 00FCB 358000D7 03
 5394 02 00FCC 02200070 A

KDSY

KD0UP

KDR

KNF2A

KDNR1

KD0PMES

STW,R13
 LI,R1
 B
 EQU
 CH,R12
 BNE
 LI,R5
 CI,R1
 BE
 BG
 LI,R5
 B
 EQU
 BAL,R6
 CI,R1
 BLE
 LI,R5
 BAL,R4
 B
 B
 EQU
 LI,R5
 EQU
 LI,R4
 B
 EQU
 LH,R15
 CW,R15
 BANZ
 LI,R5
 EQU
 LI,8
 CI,8
 BLE
 LI,R8
 STW,R8
 LCI

PLKXX
 FIPRI
 KDISF
 \$
 BHISID,R2
 FIND1
 DISMES0
 RUNPRI
 KDR
 KD0PMES
 DISMESIN
 KD0PMES
 \$
 KDISF=1
 RUNPRI
 KDSPDN
 DISMES0
 COMSELCT
 FIND1
 KD0PMES
 \$
 LCLX
 \$
 0
 KNF2
 \$
 BHIPART,R2
 PLKXX
 FIND1
 DISMESIN
 \$
 \$
 SVIRSIZ
 \$+2
 SVIRSIZ
 RES#
 7

 PROCESS DISPLAY ID BY DECIDING WHETHER
 IS INPUT OR OUTPUT AND PRINTING APPROPRIATE
 MESSAGE ON THE BC W/HEADING. IF THE
 RUNNING TELL THE OPERATOR. (IF HE IS
 DISPLAY ALL THE ENTRIES.

#CPV+ MODIFIED DISPLAY
 #CPV+ MODIFIED DISPLAY

 DISPLAY N0RUN == DISPLAY ALL INPUT
 WHOSE BHIPART=ZERO, ON THE BC

PRINT DISP MESSAGE TO OPERATOR FOR I

AND ID IF A HEADING IS NECESSARY PR

H01 15140 SEP 08, 175

5395	02	00FC0	08C0008C	03
5396	02	00FCE	0950008C	03
5397	02	00FCF	6A801036	
5398	02	00FD0	0850008C	03
5399	02	00FD1	328000C8	03
5400	02	00FD2	69300FD7	
5401	02	00FD3	46500004	A
5402	02	00FD4	6A800B68	
5403	02	00FD5	32400005	A
5404	02	00FD6	331000C8	03
5405		02 00FD7		
5406	02	00FD7	6A800B68	
5407	02	00FD8	02200070	A
5408	02	00FD9	0AC0008C	03
5409	02	00FDA	680002B9	
5410		02 00FDB		
5411	02	00FDB	21100010	A
5412	02	00FDC	683002B9	
5413	02	00FDD	32900001	A
5414	02	00FDE	328000C8	03
5415	02	00FDF	69301001	
5416	02	00FEO	20C00000	A
5417	02	00FE1	69300FFB	
5418	02	00FE2	35800054	03
5419	02	00FE3	6A400C46	
5420	02	00FE4	22800FF6	
5421	02	00FE5	22100346	03
5422		02 00FE6		
5423	02	00FE6	52500000	X
5424	02	00FE7	25500008	A
5425	02	00FE8	4B500000	X
5426	02	00FE9	30501217	
5427	02	00FEA	3553FFFF	A
5428	02	00FEB	32500000	X
5429	02	00FEC	05500001	A
5430	02	00FED	02200020	A
5431	02	00FEE	2A400000	X

KDM01

KDAL

TIMIN

PSM,R12	TMPSTK
PSW,R5	TMPSTK
BAL,R8	KDBLDMES
PLW,R5	TMPSTK
LW,R8	MSFLG
BNEZ	KDM01
XW,R5	R4
BAL,R8	TEL\$OP1
LW,R4	R5
MTW,1	MSFLG
EQU	\$
BAL,R8	TEL\$OP1
LCI	7
PLM,R12	TMPSTK
B	FIND1
EQU	\$
CI,R1	RUNPRI
BE	FIND1
LW,R9	R1
LW,R8	MSFLG
BNEZ	KDAL1
AI,R12	0
BNEZ	KDAL01
STW,R8	CURSID
BAL,R4	BANNER
LI,R8	KDALB1
LI,R1	DISPB2
EQU	\$
LH,R5	TIME
SLS,R5	8
AND,R5	M24
AW,R5	TMESET
STW,R5	*R1
LW,R5	TIME
STH,R5	*R1
LCI	2
LM,R4	DATE

IT 700.

.....
PROCESS DISP OR DISP BC
I
PRINT OR TYPE DISP MESSAGE FOR EACH
FOUND PUT IN HEADINGS WHEN APPROPRI
IF DISPLAY (NO OPTION) DISPLAY WILL
MESSAGE FILE WITH SYSID*ZERO. THE
HEADER IS PUT IN TO IDENTIFY THE PR

HO1	15140	SEP 08, '75				
5432	02	00FEF	25400370	A	SCD,R4	=16
5433	02	00FF0	25500278	A	SCS,R5	=8
5434	02	00FF1	30501216		AW,R5	SLASLA
5435	02	00FF2	25400310	A	SCD,R4	16
5436	02	00FF3	35420001	A	STW,R4	1,R1
5437	02	00FF4	35520002	A	STW,R5	2,R1
5438	02	00FF5	F8000008	A	B	*R8
5439	02	00FF6			KDALB1 EQU	\$
5440	02	00FF6	32500003	A	LW,R5	R3
5441	02	00FF7	305011F1		AW,R5	DBRPTR
5442	02	00FF8	22400D04	03	LI,R4	BA(DISPI)
5443	02	00FF9	61400000	A	MBS,R4	0
5444	02	00FFA	22500000	N	LI,R5	LCLX
5445	02	00FFB			KDAL01 EQU	\$
5446	02	00FFB	331000C8	03	MTW,1	MSFLG
5447	02	00FFC	21900010	A	CI,R9	RUNPRI
5448	02	00FFD	69101005		BL	KDAL3
5449	02	00FFE	22400349	03	LI,R4	DISMES0
5450	02	00FFF	22F01010		LI,R15	KDAL2
5451	02	01000	680010D5		B	KDALBUT
5452	02	01001			KDAL1 EQU	\$
5453	02	01001	21900010	A	CI,R9	RUNPRI
5454	02	01002	69201010		BG	KDAL2
5455	02	01003	728000C8	03	LB,R8	MSFLG
5456	02	01004	69301010		BNEZ	KDAL2
5457	02	01005			KDAL3 EQU	\$
5458	02	01005	22400359	03	LI,R4	DISMESIR
5459	02	01006	20C00000	A	AI,12	0
5460	02	01007	6830100C		BEZ	KDAL35
5461	02	01008	22400376	03	LI,R4	DISMESIN
5462	02	01009	22800004	A	LI,R8	4
5463	02	0100A	21800000	N	CI,R8	SVIRSIZ
5464	02	0100B	6820100D		BLE	*+2
5465	02	0100C	22800000	N	KDAL35 LI,R8	SVIRSIZ
5466	02	0100D	358000D7	03	STW,R8	RES#
5467	02	0100E	6AF010D5		BAL,R15	KDALBUT
5468	02	0100F	731000C8	03	MTB,1	MSFLG

```

5469      02 01010
5470      02 01010      32100009 A
5471      02 01011      6A401127
5472      02 01012      68001021
5473      02 01013      6A801036
5474      02 01014      6AF010D5
5475      02 01015      21900010 A
5476      02 01016      68101021
5477      02 01017      20C00000 A
5478      02 01018      69301021
5479      02 01019      52340000 X
5480      02 0101A      6830101D
5481      02 0101B      221003B6 03
5482      02 0101C      6AB010EF
5483      02 0101D      52340000 X
5484      02 0101E      68301021
5485      02 0101F      221003CB 03
5486      02 01020      6AB010EF
5487      02 01021
5488      02 01021      32100009 A
5489      02 01022      680002B9
5490      02 01023
5491      02 01023      22500000 N
5492      02 01024      32300002 03
5493      02 01025      22400000 A
5494      02 01026      464000CB 03
5495      02 01027      68301031
5496      02 01028      32F60000 A
5497      02 01029      4BF00000 X
5498      02 0102A      21F00009 A
5499      02 0102B      68300185
5500      02 0102C      32F60001 A
5501      02 0102D      30F60002 A
5502      02 0102E      69300020
5503      02 0102F      22800020
5504      02 01030      68000D21
5505      02 01031

```

```

KDAL2 EQU *
      LW,R1 R9
      BAL,R4 COMSELECT
      B KDAL25
      BAL,R8 KDBLDMES
      BAL,R15 KDALOUT
      CI,R9 RUNPRI
      BGE KDAL25
      AI,R12 0
      BNEZ KDAL25
      LH,R3 BHISLNK,R2
      BEZ *+3
      LI,R1 SERDS
      BAL,R11 DISP SER
      LH,R3 BHIXLNK,R2
      BEZ KDAL25
      LI,R1 SERDX
      BAL,R11 DISP SER

KDAL25 EQU *
      LW,R1 R9
      B FIND1

KDSPDN EQU *
      LI,R5 LCLX
      LW,R3 SVCBF
      LI,R4 0
      XW,R4 MSFLG
      BEZ KDSPDN1
      LW,R15 0,R3
      AND,R15 M8
      CI,R15 9 GIFNC GFC
      BE GINCD1
      LW,R15 1,R3
      AW,R15 2,R3
      BNEZ CTR1
      LI,R8 CTR1
      B WMF

KDSPDN1 EQU *

```

```

-----
DONE WITH DISPLAY
!
IF NO FILES WERE FOUND SEND NOTHING
DISPLAY TO OPERATOR. IF A MESSAGE IS
BUILT WRITE AND ADD IT. IF THIS WAS
DISP ID AND THE ID WAS NOT FOUND TRY
* CHECK FOR SPCL NCI FUNCTION
*
* IF SO DERAIL BACK TO SPCL FUNCTION
SHE'SN'T EXIST.

```


HO1	15140	SEP 08,	'75		
5543	02	0104A	35D80003	A	STW,R13
5544	02	0104B	32D01218		LW,R13
5545	02	0104C	32F40000	X	LW,R15
5546	02	0104D	7020000F	A	LC
5547	02	0104E	69101050		BCS,1
5548	02	0104F	20DFFF00	A	AI,R13
5549	02	01050	35D80004	A	STW,R13
5550	02	01051	21100010	A	CI,R1
5551	02	01052	6910109A		BL
5552	02	01053	72D40000	X	LB,R13
5553	02	01054	6830105F		BFZ
5554	02	01055	6AB00381		BAL,R11
5555	02	01056	6800105D		B
5556	02	01057	22E00001	A	LI,R14
5557	02	01058	21100022	A	CI,R1
5558	02	01059	6930105B		BNE
5559	02	0105A	22E00000	A	LI,R14
5560	02	0105B	32500003	A	LW,R5
5561	02	0105C	6AB00601		BAL,R11
5562	02	0105D	22D0D9C2	A	LI,R13
5563	02	0105E	68001061		B
5564	02	0105F			EQU
5565	02	0105F	72340000	X	LB,R3
5566	02	01060	52D60000	X	LW,R13
5567	02	01061			EQU
5568	02	01061	48D00000	X	AND,R13
5569	02	01062	49D01288		OR,R13
5570	02	01063	35D80005	A	STW,R13
5571	02	01064	22E00000	A	LI,R14
5572	02	01065	52F40000	X	LW,R15
5573	02	01066	4BF00000	X	AND,R15
5574	02	01067	21F0270F	A	CI,R15
5575	02	01068	6820106C		BLE
5576	02	01069	36E01228		DW,R14
5577	02	0106A	20E000F0	A	AI,R14
5578	02	0106B	25E00278	A	SCS,R14
5579	02	0106C			EQU

RIDX,R4
F1B2
BWISDA,R2
R15
*+2
*X'100'
MLDX,R4
RUNPRI
KDB1
BBIRID,R2
KDB13
RBFND
KDB135
INBIT
NCIPRI
*+2
0
R3
GTDVNM1
'RB'
KDB14
*
BB,DEV,R2
OHINM,R3
*
M16
80BLNK+1
DEVX,R4
0
BHIGRAN,R2
M16
9999
KDBDG
TEN
X,FOI
=8
*

KDB135

KDB13

KDB14

KDBDG

H01 15140 SEP 08, '75

5617 02 01091 72F40000 X
5618 02 01092 6AB008DF
5619 02 01093 25D00210 A
5620 02 01094 35D8000E A
5621 02 01095 2230003C A
5622 02 01096
5623 02 01096 203FFFFFF A
5624 02 01097 F5300004 A
5625 02 01098 22500000 N
5626 02 01099 F8000008 A
5627 02 0109A
5628 02 0109A 32D0121A
5629 02 0109B 7020000F A
5630 02 0109C 6940109E
5631 02 0109D 20DFFF00 A
5632 02 0109E 7020000F A
5633 02 0109F 698010A1
5634 02 010A0 38D00000 X
5635 02 010A1 35D80005 A
5636 02 010A2 72B40000 X
5637 02 010A3 693010A9
5638 02 010A4 32D0121C
5639 02 010A5 31F00000 X
5640 02 010A6 694010A8
5641 02 010A7 32D0121D
5642 02 010A8 35D80003 A
5643 02 010A9
5644 02 010A9 52F40000 X
5645 02 010AA 6AB008DF
5646 02 010AB 35D80006 A
5647 02 010AC 32300002 A
5648 02 010AD 25300002 A
5649 02 010AE 20300000 N
5650 02 010AF 35300071 03
5651 02 010B0 32A000D7 03
5652 02 010B1 22300007 A
5653 02 010B2 22500001 A

KDBI45

KDBI

KDBI01

LB,R15 BB:JDE,R2
BAL,R11 DEC
SCS,R13 16
STW,R13 JDEX,R4
LI,R3 4+JDEX**2
EQU *
AI,R3 *1
STB,R3 *R4
LI,R5 LCLX
B *R8
EQU *
LW,R13 BRDAC
LC R15
BCS,4 *+2
AI,R13 *X'100'
LC R15
BCS,8 *+2
SW,R13 Y01
STW,R13 0AX,R4
LB,R11 BB:RID,R2
BNEZ KDBI01
LW,R13 TXTT
CW,R15 JEBIT
BANZ *+2
LW,R13 TXTL
STW,R13 RIDX,R4
EQU *
LH,R15 BH:TIME,R2
BAL,R11 DEC
STW,R13 TIMX,R4
LW,R3 R2
SLS,R3 2
AI,R3 B+W,RES
STW,R3 BADRS
LW,R10 RES#
LI,R3 RESINX
LI,R5 1

#CPV+ -- EXTENDED DISPLAY

HO1 15:40 SEP 08, '75

5654 02 010B3 F2FA0071 03
 5655 02 010B3 21F00080 A
 5656 02 010B4 684010B8
 5657 02 010B5 72FA0000 X
 5658 02 010B6 4BF00000 X
 5659 02 010B7 6AB008DF
 5660 02 010B8 B5D60004 A
 5661 02 010B9 20300001 A
 5662 02 010BA 20500001 A
 5663 02 010BB 64A010B3
 5664 02 010BC 44E00F59
 5665 02 010BD 25E00003 A
 5666 02 010BE 44F010B9
 5667 02 010BF 25F00002 A
 5668 02 010C0 30F011EF
 5669 02 010C1 22A00003 A
 5670 02 010C2 32D01288
 5671 02 010C3 B5D60004 A
 5672 02 010C4 20300001 A
 5673 02 010C5 64A010C4
 5674 02 010C6 B5D60004 A
 5675 02 010C7 61E00000 A
 5676 02 010C8 25300002 A
 5677 02 010C9 52F40000 X
 5678 02 010CA 25F00010 A
 5679 02 010CB 22A00010 A
 5680 02 010CC 02 010CD
 5681 02 010CD 22D0004B A
 5682 02 010CE 25F00001 A
 5683 02 010CF 688010D1
 5684 02 010D0 22D000F1 A
 5685 02 010D1 B5D60004 A
 5686 02 010D2 20300001 A
 5687 02 010D3 64A010CD
 5688 02 010D4 68001096
 5689 02 010D5
 5690 02 010D5

KDBI1

ANLZ43

KDBI2

KDALOUT

EQU *
 LB,R15 *BADRS,R5
 CI,R15 X'80'
 BAZ *+3
 LB,R15 SB:RBDP,R5
 AND,R15 M7
 BAL,R11 DEC
 STW,R13 *R4,R3
 AI,R3 1
 AI,R5 1
 BDR,R10 KDBI1
 ANLZ,R14 ANLZACCT
 SLS,R14 3
 ANLZ,R15 ANLZ43
 SLS,R15 2
 AW,R15 ACCTPTR
 LI,R10 3
 LW,R13 80BLNK+1
 STW,R13 *R4,R3
 AI,R3 1
 BDR,R10 *+2
 STW,R13 *R4,R3
 MRS,R14 0
 SLS,R3 2
 LH,R15 BH:PART,R2
 SLS,R15 16
 LI,R10 16
 EQU *
 LI,R13 '0'
 SLS,R15 1
 BEV *+2
 LI,R13 '1'
 STB,R13 *R4,R3
 AI,R3 1
 BDR,R10 KDBI2
 B KDBI45
 EQU *

DETERMINE WHETHER THIS DISPLAY BR D

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5728	02	010ED	641010E8	
5729	02	010EE	F8000007	A
5730		02	010FF	
5731	02	010EF	22500003	A
5732	02	010FO	72460000	X
5733	02	010F1	52D80000	X
5734	02	010F2	48D00000	X
5735	02	010F3	49D01220	
5736	02	010F4	25D00208	A
5737	02	010F5	B5DA0001	A
5738	02	010F6	20500001	A
5739	02	010F7	32D60000	X
5740	02	010F8	B5DA0001	A
5741	02	010F9	20500001	A
5742	02	010FA	52360000	X
5743	02	010FB	683010FF	
5744	02	010FC	21500015	A
5745	02	010FD	691010F0	
5746	02	010FE	20BFFFFE	A
5747		02	010FF	
5748	02	010FF	25500002	A
5749	02	01100	205FFFFFF	A
5750	02	01101	F5500001	A
5751	02	01102	22500000	N
5752	02	01103	68000759	
5753		02	01104	
5754	02	01104	72500000	X
5755	02	01105	205FFFFE	A
5756		02	01106	
5757	02	01106	21500000	N
5758	02	01107	68200F7C	
5759	02	01108	726A0000	X
5760	02	01109	68301125	
5761	02	0110A	12EC0000	X
5762	02	0110B	22300003	A
5763	02	0110C	75E603E0	03
5764	02	0110D	35F003E1	03

DISPSER

DSRB

KDSYMB

KDSYM1

BDR,R1	SETDM1
B	*R7
EQU	*
LI,R5	SERX
LB,R4	S#B;TYP,R3
LH,R13	SHIRNM,R4
AND,R13	M16
OR,R13	CMAB
SCS,R13	8
STW,R13	*R1,R5
AI,R5	1
LW,R13	S#WISER,R3
STW,R13	*R1,R5
AI,R5	1
LH,R3	S#H;LNK,R3
BEZ	DSRB
CI,R5	E0SER
BL	DISPSER+1
AI,R11	*2
EQU	*
SLS,R5	2
AI,R5	*1
STB,R5	*R1
LI,R5	LCLX
B	MOVEMES
EQU	*
LB,R5	SNDDX
AI,R5	*2
EQU	*
CI,R5	MXSTRM
BLE	LCLCTR1
LB,R6	SNDDX,R5
BEZ	KDSYM3
LD,R14	DCT16,R6
LI,R3	3
STB,R14	SYMMDM,R3
STW,R15	SYMMDM+1


```

5802 02 01126 68001106
5803
5804      02 01127
5805 02 01127 21100010 A
5806 02 01128 68280001 A
5807 02 01129 52E40000 X
5808 02 0112A 68380001 A
5809 02 0112B 22F07FFF A
5810 02 0112C 32800002 A
5811 02 0112D 02200030 A
5812 02 0112E 0A00008C 03
5813 02 0112F 6A0002B6
5814 02 01130 6800113B
5815 02 01131 21100010 A
5816 02 01132 6830113B
5817 02 01133 31800002 A
5818 02 01134 6830113B
5819 02 01135 52D40000 X
5820 02 01136 45E0000D A
5821 02 01137 693002B9
5822 02 01138 02200030 A
5823 02 01139 0A00008C 03
5824 02 0113A 68080000 A
5825
5826      02 0113B
5827 02 0113B 02200030 A
5828 02 0113C 0A00008C 03
5829 02 0113D 68080001 A
5830
5831      02 0113E
5832 02 0113E 32200000 X
5833 02 0113F 72560000 X
5834 02 01140 19500000 X
5835 02 01141 6994000C A
5836 02 01142 22C00052 A
  1* 02 01143 32900000 X
5838 02 01144 319A0000 X

```

```

*****#CPV*****#CPV*****#CPV*****#CPV*****
B      KDSYM1
COMSE LCT EQU      $
      CI,R1      RUNPRI
      BLE      1,R4      CHECK ONLY COMODE OUTPUT FILES
      LH,R14     BHICOMID,R2  GET COMID
      BEZ      1,R4      NONE
      LI,R15     X17FFF1
      LW,R8      R2
      LCI      3
      PSM,RO     TMPSTK
      BAL,RO     FIND      CHECK OTHER ENTRIES AT THIS PRIOR.
      B         PRNTXIT     ...FOR ONE WITH SAME COMID
      CI,R1      RUNPRI
      BE         PRNTXIT     DONE LOOKING
      CW,R8      R2         HAVE WE COME UP TO THIS FILE
      BE         PRNTXIT     YEP
      LH,R13     BHICOMID,R2  GET FILE'S COMID
      CS,R14     R13       SAME
      BNE       FIND1      NOPE
      LCI      3
      PLM,RO     TMPSTK
      B         0,R4
      *
      PRNTXIT   EQU      $
      LCI      3
      PLM,RO     TMPSTK
      B         1,R4
*****#CPV*****#CPV*****#CPV*****#CPV*****
BASESW EQU      $
      LW,2      SWTINIT
      LB,5      SNDDX,3
      CLM,5     RBLIMS
      BCS,9     STORSW1,2
      LI,12     L,HSP
      LW,9      Y02      HASPBIT IN CORE
      CW,9      RBIFLAG,5

```


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5839 02 01145 6944000D A
 5840 02 01146 22C0001B A
 5841 02 01147 32920000 X
 5842 02 01148 70200009 A
 5843 02 01149 6844000D A
 5844 0000000C
 5845 02 0114A 22C00030 A
 5846 0000000D
 5847 02 0114B 22900012 A
 5848 02 0114C 30900002 A
 5849 02 0114D 75C00009 A
 5850 02 0114E 35920000 X
 5851 02 0114F F800000B A
 5852 00000012
 5853 02 01150 02200070 A
 5854 02 01151 08500000 X
 5855 02 01152 32200000 X
 5856 02 01153 32A20000 X
 5857 02 01154 3230000F A
 5858 02 01155 72560000 X
 5859 02 01156 7240000A A
 5860 02 01157 30400002 A
 5861 02 01158 68080000 A
 5862 0000001B
 5863 02 01159 32BA0000 X
 5864 02 0115A 21800002 A
 5865 02 0115B 6844002D A
 5866 02 0115C 21E00050 A
 5867 02 0115D 6814002D A
 5868 02 0115E 3280000D A
 5869 02 0115F 32940086 A
 5870 02 01160 75E00009 A
 5871 02 01161 61800000 A
 5872 02 01162 22800051 A
 5873 02 01163 3880000E A
 5874 02 01164 09100000 X
 5875 02 01165 32100009 A

BANZ STORSW,2
 LI,12 LORBT
 LW,9 SCSVDGI,1
 LC R9
 BCR,4 STORSW,R2
 STORSW₁ EQU *-BASESW
 LI,12 HCLCL
 STORSW EQU *-BASESW
 LI,9 QPNT
 AW,9 2
 STB,12 9
 STW,9 SCSWIT,1
 B *11
 QPNT EQU *-BASESW
 LCI 7
 PSM,5 TSTACK
 LW,2 SWTINIT
 LW,10 SCSWIT,1
 LW,3 15
 LB,5 SNDDX,3
 LB,4 10
 AW,4 2
 B 0,4
 LORBT EQU *-BASESW
 LW,11 RBIFLAG,5
 CI,11 EMBIT
 BAZ NQOUT,2
 CI,14 80
 BGE NQOUT,2
 LW,8 13
 LW,9 BUFBA,2
 STB,14 9
 MBS,8 0
 LI,8 81
 SW,8 14
 PSW,1 TSTACK
 LW,1 9

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5876	02	01166	75800001	A	STB,8	1
5877	02	01167	61000000	N	MBS,0	BA(BLANK)
5878	02	01168	08100000	X	PLW,1	TSTACK
5879	02	01169	22E00050	A	LI,14	80
5880			0000002C		BUFOUT	EQU
5881	02	0116A	32D40086	A		*BASESW
5882			0000002D		NGOUT	LW,13
5883	02	0116B	02200070	A		BUFBA,2
5884	02	0116C	0A500000	X		*BASESW
5885	02	0116D	68000000	X		LCI
5886			00000030		H\$LCL	7
5887	02	0116E	02200030	A		PLM,5
5888	02	0116F	0BF00000	X		B
5889	02	01170	72460000	X		NEWQ
5890	02	01171	09400000	X		EQU
5891	02	01172	22B00000	N		*BASESW
5892	02	01173	19500000	X		LCI
5893	02	01174	6994003C	A		PSM,15
5894	02	01175	22900080	A		LR,4
5895	02	01176	21400006	A		TSTACK
5896	02	01177	68340040	A		STBITYP,3
5897	02	01178	22900050	A		PSW,R4
5898	02	01179	6804003F	A		LI,11
5899			0000003C		H\$L1	PSRCB
5900	02	0117A	72980000	X		RBLMS
5901	02	0117B	70280000	X		H\$L1,2
5902	02	0117C	69440040	A		128
5903			0000003F		H\$L2	6
5904	02	0117D	22B00000	N		H\$L3,2
5905			00000040		H\$L3	80
5906	02	0117E	32340086	A		H\$L2,2
5907	02	0117F	22400000	A		*BASEFSW
5908	02	01180	3220000D	A		TB:MAX,4
5909	02	01181	72F40000	A		TB:FLGS,4
5910	02	01182	20200001	A		H\$L3,2
5911	02	01183	FA00000B	A		*BASESW
5912	02	01184	32200000	X		MVREC
						*BASESW
						BUFBA,2
						0
						13
						0,2
						1
						*11
						SWTINIT

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```

5913 02 01185 38340086 A
5914 02 01186 32E00003 A
5915 02 01187 08400000 X
5916 02 01188 02200030 A
5917 02 01189 0AF00000 X
5918 02 0118A 19500000 X
5919 02 0118B 6994002C A
5920 02 0118C 21400005 A
5921 02 0118D 6934002C A
5922 02 0118E 32D40086 A
5923 02 0118F 6804001B A
5924 00000052
5925 02 01190 21E00000 A
5926 02 01191 6834002D A
5927 02 01192 02200090 A
5928 02 01193 0BC00000 X
5929 02 01194 52560000 X
5930 02 01195 4B540084 A
5931 02 01196 6934005A A
5932 02 01197 22500008 A
5933 02 01198 2550000E A
5934 02 01199 7210000C A
5935 02 0119A 21100003 A
5936 02 0119B 69340064 A
5937 02 0119C 3210000D A
5938 02 0119D 72420000 A
5939 02 0119E 4B440085 A
5940 02 0119F 75420000 A
5941 02 011A0 22800002 A
5942 02 011A1 68040068 A
5943 00000064
5944 02 011A2 22800020 A
5945 02 011A3 21100000 A
5946 02 011A4 68340068 A
5947 02 011A5 22800022 A
5948 00000068
5949 02 011A6 75800008 A

```

L#HSP

L#H2

L#H3

```

SW,3 BUFBA,2
LW,14 3
PLW,R4 TSTACK
LCI 3
PLM,15 TSTACK
CLM,5 RBLIMS
BCS,9 BUFOUT,2
CI,4 5
BNE BUFOUT,2
LW,13 BUFBA,2
B L#RBT,2
EQU #=BASESW
CI,14 0
BEZ NQBUT,2
LCI 9
PSM,12 TSTACK
LH,5 STH:FLG,3
AND,R5 XC,2
BNEZ #+2=BASESW,R2
LI,5 8
SLS,5 14
LB,1 12
CI,1 3
BNE L#H2,2
LW,1 13
LB,4 0,1
AND,4 XF3,2
STB,4 0,1
LI,8 2
B L#H3,2
EQU #=BASESW
LI,8 X'201
CI,1 0
BE L#H3,2
LI,8 X'221
EQU #=BASESW
STB,8 8

```

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```

5950 02 011A7 3210000E A
5951 02 011A8 22E00087 A
5952 02 011A9 30E00002 A
5953 02 011AA 25D0027E A
5954 02 011AB 7240000D A
5955 02 011AC 2540007A A
5956 02 011AD 32F0000D A
5957 02 011AE 4BF00000 X
5958 02 011AF 22300000 A
5959      00000072
5960 02 011B0 02200050 A
5961 02 011B1 0B100000 X
5962 02 011B2 222000FF A
5963 02 011B3 6AB00000 X
5964 02 011B4 22B00000 A
5965 02 011B5 32800002 A
5966 02 011B6 02200050 A
5967 02 011B7 0A100000 X
5968 02 011B8 21B00000 A
5969 02 011B9 69340072 A
5970 02 011BA 02200090 A
5971 02 011BB 0AC00000 X
5972 02 011BC 32E00008 A
5973 02 011BD 6804002C A
5974      00000080
5975 02 011BE 22E00000 A
5976 02 011BF 46E00000 X
5977 02 011C0 08B00000 X
5978 02 011C1 68000000 X
5979      00000084
5980 02 011C2 0000000C A
5981      00000085
5982 02 011C3 000000F3 A
5983      00000086
5984 02 011C4 00000000 A
5985      00000087
5986      000000FF

```

```

LW,1 14
LI,14 BUF
AW,14 2
SCS,13 2
LB,4 13
SLS,4 6
LW,15 13
AND,15 M24
LI,3 0
EQU *-BASESW
LCI 5
PSM,R1 TSTACK
LI,2 BUFSZSW
BAL,11 H0CMP1
LI,R11 0
LW,8 2
LCI 5
PLM,R1 TSTACK
CI,R11 0
BNE H0L4,2
LCI 9
PLM,12 TSTACK
LW,14 8
B BUFBUT,2
EQU *-BASESW
LI,R14 0
XW,14 SWTINIT
PLW,11 TSTACK
B RELCB
XC EQU *-BASESW
DATA XIC1
XF3 EQU *-BASESW
DATA XIF31
BUFBA EQU *-BASESW
DATA 0
BUF EQU *-BASESW
BUFSZSW EQU 255

```

GET FCN RIGHT

5988
1*
2*
3*
4*
5*
6*
7*
8*
9*
10*
11*
5989 02 011C5
5990 02 011C5 52B60000 X
5991 02 011C6 683011CA
5992 02 011C7 49B00000 X
5993 02 011C8 55B60000 X
5994 02 011C9 68000020
5995 02 011CA 22800020
5996 02 011CB 224013B7
5997 02 011CC 68000B68
1*
2*
3*
4*
5*
6*
7*
8*
9*
10*
11* 02 011CD
12* 02 011CD 22100003 A
13* 02 011CE 02C20007 A
14* 02 011CF 22100020 A
15* 02 011D0 6A0002B6

```

SWTSIZ EQU *BASESW+1
*****
*F* NAME: KOSTOP
*F* PURPOSE: PROCESS RBBAT COMBUF WITH GFC=KOSTOP *
*F* REMOVE A SYMBIONT DEVICE FROM CONCURRENT OUTPUT MODE
*F* DESCRIPTION: THE PASSED SYMBIONT INDEX IS USED TO CHECK IF
*F* THE ASSOCIATED DEVICE IS IN CONCURRENT OUTPUT MODE.
*F* IF IT IS, A FLAG IS SET WHICH WILL CAUSE THE DEVICE
*F* TO HAVE NORMAL PRIORITY SCHEDULING RESUMED WHEN
*F* THE CURRENT FILE IS DONE PRINTING. IF THE DEVICE
*F* IS NOT IN CONCURRENT MODE, A MESSAGE TO THAT EFFECT
*F* IS SENT TO THE OPERATOR.
*
KOSTOP EQU $
LW,R11 STH;CMDV,R3 COMODE ID FOR DEVICE
BEZ NOTGOING SYMB DEVICE NOT IN CONCURRENT MODE
BR,R11 LASTCHNK SET LAST CHUNK FLAG TO FREE DEV.
STH,R11 STH;CMDV,R3
B CTR1 DONE
NOTGOING LI,R8 CTR1
LI,R4 CANTSTOP
B TEL,OP1 COMPLAIN TO OPERATOR
*F* NAME: KFLUSH
*F* PURPOSE: TO PROCESS RBBAT COMBUF WITH GFC=KFLUSH;
*F* FLUSH COMODE OUTPUT (GET RID OF IT ENTIRELY)
*F* DESCRIPTION: THE OUTPUT PRIORITY CHAIN IS SEARCHED FOR ALL
*F* FILES HAVING THE SYSID AND DEVICE TYPE PASSED IN THE
*F* COMBUF. ALL SUCH FILES ARE MOVED TO THE DELETE CHAIN
*F* IF THE DEVICE INDICATED BY THE PASSED SYMBIONT INDEX
*F* IS ACTIVE, IT IS 'X'IED AND THE DEVICE IS THEN REMOVED
*F* FROM CONCURRENT OUTPUT MODE.
*
KFLUSH EQU $
LI,R1 3 DEV. TYPE PASSED IN R5 FROM CTR1
LW,R12 *R7,R1 PICK UP SYSID FROM COMBUF
LI,R1 FOPRI AND START LOOKING FOR OUTPUT FILES
BAL,R0 FIND ...

```

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16* 02 011D1 680011DB
 17* 02 011D2 21100010 A
 18* 02 011D3 682011DB
 19* 02 011D4 51C40000 X
 20* 02 011D5 693002B9
 21* 02 011D6 71540000 X
 22* 02 011D7 693002B9
 23* 02 011D8 224002B9
 24* 02 011D9 22E00023 A
 25* 02 011DA 68000555
 26* 02 011DB 323000ED 03
 27* 02 011DB 323000ED 03
 28* 02 011DC 72460000 X
 29* 02 011DD 21400001 A
 30* 02 011DE 693011C5
 31* 02 011DF 224000E7 A
 32* 02 011E0 75460000 X
 33* 02 011E1 680011C5

011DB

FLUSHX

B FLUSHX
 CI,R1 RUNPRI
 BLE FLUSHX
 CH,R12 BH,SID,R2
 BNE FIND1
 CB,R5 BB,DEV,R2
 BNE FIND1
 LI,R4 FIND1
 LI,R14 DELPRI
 B CHNGRSET
 EQU *
 LW,R3 SYMINDX
 LB,R4 SSTAT,R3
 CI,R4 1
 BNE KOSTOP
 LI,R4 ,X,
 STB,R4 SSIG,R3
 B KOSTOP

NO MORE ANYTHING
 ARE WE STILL IN OUTPUT FILE CHAIN
 NOPE
 IS THIS THE SYSID WE'RE LOOKING FOR
 NO
 IS THIS FILE FOR THE RIGHT DEV. TYP
 NO
 RETURN ADDR. FOR CHNGRSET
 GO MOVE THE FILE WE JUST FOUND...
 ...TO THE DELETE CHAIN.

GET THIS DEVICE'S STATUS BITS
 IS THE BEAST ACTIVE
 NOPE; DON'T BOTHER X-ING IT.
 YES; BOTHER X-ING IT

AND REMOVE DEVICE FROM COMODE.

5998
 5999
 6000
 6001
 6002
 6003
 6004
 6005
 6006
 6007
 6008
 6009
 6010
 6011
 6012
 6013
 6014
 6015
 6016

02 011E2 08000001 A
 02 011E3 09000001 A
 02 011E4 0F000001 A
 02 011E5 14000000 A
 02 011E6 00000003 A
 02 011E7 05010000 A
 02 011E8 50000850 03
 02 011E9 26000028 A
 02 011EA 5000001B A
 02 011EB 2800001E A
 02 011EC 50000794 03
 02 011ED 500007F0 03
 02 011EE 50000AB1 03
 02 011EF 08000002 A

 * DATA *

 *
 *
 GTPG GEN,8,24 8,1
 FREPG GEN,8,24 9,1
 WAIT GEN,8,24 X'F',1
 IGTAPS GEN,8,24 X'14',0
 DATA 3
 FVP GEN,8,24 5,Vp
 RBU8BMPTR GEN,8,24 80,BA(RBU8BM2)
 RMTBPTR GEN,8,24 38,40
 BRSTPTR GEN,8,24 80,27
 PBNPTR GEN,8,24 40,30
 BCSTPTR GEN,8,24 80,BA(HDRM)
 SNDPTR GEN,8,24 80,BA(OPM1)
 IDCPTTR GEN,8,24 80,BA(ID)+1
 ACCTPTR GEN,8,24 8,2

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6017	02	011F0	78000AB0	03	IDPTR	GEN,8,24	120,BA(ID)
6018	02	011F1	20000035	A	QBRPTR	GEN,8,24	32,53
6019	02	011F2	08000583	03	SLSGSPTR	GEN,8,24	8,BA(SLSG+8)+3
6020	02	011F3	5004065B	A	SLSGPTR	GEN,8,24	SLSGSZ,SLSGG0+SLSGBSZ
6021	02	011F4	000005C6	03	RMTPUT	DATA	BA(RMTNUM)*2
6022	02	011F5	A0040000	A	ZERPTR	GEN,8,24	160,VP**2
6023	02	011F6	08000038	A	CRDPTR	GEN,8,24	8,R14**2
6024	02	011F7	005AD9C2	A	BANGRB	DATA	C' RB'
6025	02	011F8	5AD9C200	A	YBANGRB	DATA	X'5AD9C200'
6026						BOUND	8
6027	02	011FA	07C1D3D3	A	TCAT	TEXTC	'ALLCAT'
	02	011FB	D6C3C1E3	A			
6028	02	011FC	5AD7C1E2	A	PASSWORD	TEXT	'PASSWORD'
	02	011FD	F2E6D6D9	A			
6029	02	011FE			MNDL	EQU	\$
6030	02	011FE	00000000	N		DATA	HASPIB
6031	02	011FF	00000000	N		DATA	HASPCU
6032	02	01200	00000000	N		DATA	2780IB
6033	02	01201	00000000	N		DATA	2780CU
6034	02	01202	00004A20		RMTCLR	DATA	BA(80BLNK+1)
6035	02	01203	0800057A	03		GEN,8,24	8,BA(SLSG)+SLSGRMT
6036	02	01204	00000164	03	RFXPTR	DATA	BA(FRMNM)
6037	02	01205	0400051F	03		GEN,8,24	4,BA(REQFXP+1)+3
6038	02	01206	D3D6C3C1	A	TLCL	TEXT	'LOCAL'
	02	01207	D3404040	A			
6039	02	01208	7AE2EBE2	A	SYS	TEXT	'SYS'
	02	01209	40404040	A			
6040	02	0120A	00000560	03	SLSGBPT	DATA	SLSGB
6041	02	0120B	0B040650	A		GEN,8,24	SLSGBSZ,SLSGG0
6042	02	0120C	000005BB	03	SLSGEPT	DATA	SLSGE
6043	02	0120D	060406AB	A		GEN,8,24	SLSGESZ,SLSGG0+SLSGRS7+SLSGSZ
6044	02	0120E	D3C9D4C9	A	LIMIT1	TEXT	'LIMIT1'
6045	02	0120F	D4C9E340	A	LIMIT2	TEXT	'LIMIT2'
6046	02	01210	D9C5E240	A	RES	TEXT	'RES'
6047	02	01211	5AD1D6C2	A	TJOB	TEXT	'JOB'
6048	02	01212	C1D3D340	A	TALL	TEXT	'ALL'
6049	02	01213	5AC5D6C4	A	TEBD	TEXT	'EBD'

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6050	02	01214	F0F0F0F0	A	TZER0S	TEXT	'0000'
6051	02	01215	80808080	A	X80S	DATA	X'80808080'
6052	02	01216	21000021	A	SLASLA	DATA	X'21000021'
6053	02	01217	4000007A	A	TMESET	DATA	X'4000007A'
6054	02	01218	4040F140	A	F1B2	DATA	X'4040F140'
6055	02	01219	4040F040	A	FOB2	TEXT	' 0 '
6056	02	0121A	F140F140	A	BRDAC	DATA	X'F140F140'
6057	02	0121B	165CE200	A	FRMMX	DATA	X'165CE200'
6058	02	0121C	404040E3	A	TXTT	TEXT	' T '
6059	02	0121D	404040D3	A	TXTL	TEXT	' L '
6060	02	0121E	02C1F15C	A	BRSTW2	DATA	X'02C1F15C'
6061	02	0121F	FFEOCOA1	A	BRSTWH	DATA	X'02A2B1FD' = X'02C1F15C'
6062	02	01220	6B400000	A	CMAB	DATA	X'6B400000' COMMA,BLANK,0,0
6063	02	01221	00000000	A	3ZER0	DATA	0,0,0
	02	01222	00000000	A			

6064	02	01223	00000000	A			
	02	01224	00000012	A	X12	DATA	X'12'
6065	02	01225	00508A04	A	PUNBAN	DATA	X'508A04'
6066	02	01226	000000F0	A	XFO	DATA	X'F0'
6067	02	01227	00007FFF	A	X7FFF	DATA	X'7FFF'
6068	02	01228	0000000A	A	TEN	DATA	10
6069	02	01229	01FF0300	N	LTFCN	GEN,8,8,8,8	1,255,3,0CDCT
6070	02	0122A	02FF0300	N	RTFCN	GEN,8,8,8,8	2,255,3,0CDCT
6071	02	0122B	00FF0300	A	DSKFCN	GEN,8,8,8,8	0,255,3,0
6072	02	0122C	03FF0300	A	XPFCN	GEN,8,8,8,8	3,255,3,0
6073			00000008		LGNFCN	EQU	8 COMMON RP LOGON FUNCTION
6074	02	0122D	00FF0F00	N	RBTMSK	GEN,8,8,8,8	T0F0:DOT,255,15,0
6075	02	0122E	08FF0F00	A	LGNMSK	GEN,8,8,8,8	LGNFCN,255,15,0
6076	02	0122F	01FF0300	A	WDSKFCN	GEN,8,8,8,8	1,255,3,0
6077	02	01230	00FF0F00	N	MAFCN	GEN,8,8,8,8	HRS:DOT,255,15,0
6078	02	01231	00FF0F00	N	MNFCN	GEN,8,8,8,8	HAR:DOT,255,15,0
6079	02	01232	00FF0F00	N	SLFCN	GEN,8,8,8,8	HSE:DOT,255,15,0
6080		02 01232			SSIGS	EQU	*1
6081	02	01233	03D9E7D8	A		TEXT	'CRXQ'
6082		EXT			LASTCHNK	EQU	X8000

6083 ***** PRIORITYS ARE AS FOLLOWS:

6084 00000000 0IPRI EQU X'00' 0 PRI0 INPUT

6085	0000000F	FIPRI	EQU	X'0F'	F PRI0 INPUT
6086	00000010	RUNPRI	EQU	X'10'	RUNNING
6087	00000011	OBPRI	EQU	X'11'	O PRI0 OUTPUT
6088	00000020	F0PRI	EQU	X'20'	F PRI0 OUTPUT
6089	00000021	MFPRI	EQU	X'21'	MESSAGE FILES
6090	00000022	NCIPRI	EQU	X'22'	NON-CONTROL INPUT
6091	00000023	DELPRI	EQU	X'23'	TO BE DELETED
6092	00000024	FREI	EQU	X'24'	FREE INPUT
6093	00000025	FRE0	EQU	X'25'	FREE OUTPUT
6094		*****			
6095	EXT	ORDBIT	EQU	Y8	FLAG BITS KEPT IN BWISEA
6096	EXT	ACCTBIT	EQU	Y4	
6097	EXT	XHOLDBIT	EQU	Y1	
6098	EXT	MFBIT	EQU	Y08	
6099	EXT	DELBIT	EQU	Y2	
6100	EXT	H0DLBT	EQU	Y3	
6101	EXT	HOLDBIT	EQU	Y1	
6102	EXT	RRBIT	EQU	Y04	
6103	EXT	RRRBIT	EQU	Y02	
6104	EXT	JEBIT	EQU	Y01	
6105	EXT	SWITBIT	EQU	Y01	
6106		*****			
6107	00000006	IOFCN	EQU	6	SYMBIANT FORMAT PRINT FUNCTION CODE
6108	00000006	BRSTFCN	EQU	X'86'	SYMBIANT BURST FUNCTION CODE
6109	000000A0	B0MSK	EQU	X'1A0'	*****
6110	0000000E	CEB	EQU	X'E'	SCANNER MASKS AND BRANCH CONDITIONS
6111	0000000D	CEP	EQU	X'D'	SEE TRTBL FOR EXPLANATION
6112	000000F0	C0BLMSK	EQU	X'E0'	
6113	00000004	COMA	EQU	4	
6114	0000000C	COMC	EQU	X'C'	
6115	000000F0	COMMSK	EQU	X'F0'	
6116	00000080	F0CMSK	EQU	X'80'	
6117	00000008	EOC	EQU	8	
6118	00000001	PAR	EQU	1	
6119	000000C1	NBMSK	EQU	X'C1'	
6120	000000F4	NXMSK	EQU	X'F4'	
6121	000000F2	NDMSK	EQU	X'F2'	

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6122 000000F8
6123 0000000F
6124 00000090
6125
6126 02 01233
6127 02 01234 000003E8 A
6128 02 01235 00000384 A
6129 02 01236 00000320 A
6130 02 01237 0000028C A
6131 02 01238 00000258 A
6132 02 01239 000001F4 A
6133 02 0123A 00000190 A
6134 02 0123B 0000012C A
6135 02 0123C 000000C8 A
6136 02 0123D 00000096 A
6137 02 0123E 00000064 A
6138 02 0123F 00000032 A
6139 02 01240 00000019 A
6140 02 01241 0000000A A
6141
6142
6143
6144
6145 02 01242 0B4040C3 A
02 01243 06D5D5C5 A
02 01244 C3E3C5C4 A
6146 FR
6147 FR
6148 02 01245 1B4040C6 A
02 01246 C1C9D3C5 A
02 01247 C440E3D6 A
02 01248 40D3D6C7 A
02 01249 40E2E3C1 A
02 0124A F3C9D6D5 A
02 0124B 40D6D55A A
6149 02 0124C 185CC2C1 A
02 0124D C440E6E2 A

NNMSK EQU X'F8'
NBPM SK EQU X'DF'
PARMSK EQU X'90'

GRNLMS EQU \$=1
DATA 1000
DATA 900
DATA 800
DATA 700
DATA 600
DATA 500
DATA 400
DATA 300
DATA 200
DATA 150
DATA 100
DATA 50
DATA 25
DATA 10

* OPERATOR MESSAGES *

DUMES TEXTC 'CONNECTED'
NBJOBM EQU NJMES
ILJOBM EQU BDJM
NBJOBM TEXTC 'FAILED TO LOG STATION ON '
BKSWM TEXTC '*BAD WSN OR DEV ON RBSW'

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02 0124E D540D6D9 A
 02 0124F 40C4C5E5 A
 02 01250 40D6D540 A
 02 01251 5AD9C2E2 A
 6150 02 01252 F6404040 A
 02 01253 1E5CD5D6 A
 02 01254 F3C8C9D5 A
 02 01255 C740E5C1 A
 02 01256 D3C9C440 A
 02 01257 C6D6D940 A
 02 01258 5AD9C2E2 A
 02 01259 F640C6D6 A
 6151 02 0125A F4D5C440 A
 02 0125B 1F5CD9C2 A
 02 0125C C3D6D440 A
 02 0125D C9D3D3C5 A
 02 0125E C7C1D340 A
 02 0125F C6D6D940 A
 02 01260 F3C8C9E2 A
 02 01261 40E2E3C1 A
 02 01262 F3C9D6D5 A
 6152 FR
 6153 02 01263 0E4040C4 A
 02 01264 C9E2C3D6 A
 02 01265 D5D5C5C3 A
 02 01266 F3C5C440 A
 6154 02 01267 164040C9 A
 02 01268 D5E2E4C6 A
 02 01269 C6C9C3C9 A
 02 0126A C5D5E340 A
 02 0126B F2E3D9C5 A
 02 0126C C1D4E240 A
 6155 02 0126D 0B4040C5 A
 02 0126E D9D9D6D9 A
 02 0126F 40D4C1E7 A

BKSW1M TEXTC !*NOTHING VALID FOR RBSW FOUND!

KCOMEM TEXTC !*RBCOM ILLEGAL FOR THIS STATION!

OPDISCM EQU DISCM
HUMES TEXTC ! DISCONNECTED!

NSTRMM TEXTC ! INSUFFICIENT STREAMS!

EDISM TEXTC ! ERROR MAX!

SPRID EQU 1

6156 00000001

6157

6158
6159
6160 02 01270 45F10C40 A
6161 02 01271 5C5C5C5C A
6162 02 01272 5C5C40C3 A
02 01273 0760E540 A
02 01274 09C5D4D6 A
02 01275 F3C540C2 A
02 01276 C1E3C3C8 A
02 01277 40C1E340 A
02 01278 F8D6E4D9 A
02 01279 40E2C5D9 A
02 0127A F5C9C3C5 A
02 0127B 40406060 A
02 0127C 4040D3D6 A
02 0127D C7D6D540 A
02 0127E 07D3C5C1 A
02 0127F F2C55A40 A
02 01280 5C5C5C5C A
02 01281 5C5C4040 A
6163
6164 02 01282 785C5C5C A
6165 02 01283 5C5C5C5C A
02 01284 5C5C5C5C A
02 01285 5C5C5C5C A
02 01286 5C5C5C5C A
6166
6167 02 01287 52404040 A
02 01288 40404040 A
02 01289 40404040 A
02 0128A 40404040 A
02 0128B 40404040 A
02 0128C 40404040 A
02 0128D 40404040 A
02 0128E 40404040 A
02 0128F 40404040 A

* REMOTE MESSAGES *

SALUTE DATA X'45F10C40'
TEXT !***** CP-V REMOTE BATCH AT YOUR SERVICE!,,
! - LOGON PLEASE *****!

BOUND 8

120ASTER DATA X'785C5C5C'
TEXT !*****

80BLNK TEXTC !
!

! !
!

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02 01290 40404040 A
 02 01291 40404040 A
 02 01292 40404040 A
 02 01293 40404040 A
 02 01294 40404040 A
 02 01295 40404040 A
 02 01296 40404040 A
 02 01297 40404040 A
 02 01298 40404040 A
 02 01299 40404040 A
 02 0129A 40404040 A
 02 0129B 40404040 A
 6168 02 0129C 5C5C5C5C A
 02 0129D 5C5C5C5C A
 02 0129E 5C5C5C5C A
 02 0129F 5C5C5C5C A
 02 012A0 5C5C5C5C A
 02 012A1 5C5C4040 A
 6169 02 012A2 2FF10C5C A
 6170
 6171 02 012A3 5C5C40C3 A
 02 012A4 C1D9C440 A
 02 012A5 D9C5C1C4 A
 02 012A6 40D5D6E3 A
 02 012A7 405AD9C2 A
 02 012A8 C9C44060 A
 02 012A9 6040C3C1 A
 02 012AA D5D5D6E3 A
 02 012AB 40D3D6C7 A
 02 012AC 40E8D6E4 A
 02 012AD 40D6D55A A
 6172 02 012AE 30F10C5C A
 6173
 6174 02 012AF 5C5C40C9 A
 02 012B0 D5E2E4C6 A
 02 012B1 C6C9C3C9 A
 02 012B2 C5D5E340 A

TEXT !*****!

N8TIDM DATA X12FF10C5C!
 TEXT !** CARD READ NOT RBID == CANNOT !,
 !LOG YOU ON !

NSTRM DATA X130F10C5C!
 TEXT !** INSUFFICIENT STREAMS == CANNOT !,
 !LOG YOU ON !

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02 012B3 F2E3D9C5 A
 02 012B4 C1D4E240 A
 02 012B5 606040C3 A
 02 012B6 C1D5D5D6 A
 02 012B7 F340D3D6 A
 02 012B8 C740E8D6 A
 02 012B9 F440D6D5 A
 02 012BA 5A404040 A
 02 012BB 34F10C5C A

6175
6176
6177

ILIDM DATA
TEXT

X134F10C5C!
 !** ILLEGAL WORK STATION NAME -- CANNOT !,
 !LOG YOU ON!

02 012BC 5C5C40C9 A
 02 012BD D3D3C5C7 A
 02 012BE C1D340E6 A
 02 012BF D6D9D240 A
 02 012C0 F2E3C1E3 A
 02 012C1 C9D6D540 A
 02 012C2 D5C1D4C5 A
 02 012C3 40606040 A
 02 012C4 C3C1D5D5 A
 02 012C5 D6E340D3 A
 02 012C6 D6C740E8 A
 02 012C7 D6E440D6 A
 02 012C8 D5404040 A
 02 012C9 33F10C5C A

6178
6179
6180

SAMIDM DATA
TEXT

X133F10C5C!
 !** WORK STATION NAME IN USE -- CANNOT !,
 !LOG YOU ON!

02 012CA 5C5C40E6 A
 02 012CB D6D9D240 A
 02 012CC F2E3C1E3 A
 02 012CD C9D6D540 A
 02 012CE D5C1D4C5 A
 02 012CF 40C9D540 A
 02 012D0 F4E2C540 A
 02 012D1 606040C3 A
 02 012D2 C1D5D5D6 A
 02 012D3 F340D3D6 A
 02 012D4 C740E8D6 A
 02 012D5 F440D6D5 A

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6181 02 012D6

MSBSE
BDFLD

EQU
TEXTC

*
*CC FIELDS BAD: ILLEGAL(#), NONEXISTANT!,
!(*), OR NOT YOUR(\$) SYSID!

6182
6183
02 012D6 415CC3C3 A
02 012D7 40C6C9C5 A
02 012D8 D3C4E240 A
02 012D9 C2C1C47A A
02 012DA 4040C9D3 A
02 012DB D3C5C7C1 A
02 012DC D34D7B5D A
02 012DD 6B40D5D6 A
02 012DE D5C5E7C9 A
02 012DF F2E3C1D5 A
02 012E0 F34D5C5D A
02 012E1 6B40D6D9 A
02 012E2 40D5D6E3 A
02 012E3 40E8D6E4 A
02 012E4 D94D5B5D A
02 012E5 40E2E8E2 A
02 012E6 C9C44040 A

BDDEV

TEXTC

CC FIELDS BAD; ILLEGAL(#), UNKNOWN(),,
!,OR INVALID(\$) DEVNAME!

6184
6185
02 012E7 3B5CC3C3 A
02 012E8 40C6C9C5 A
02 012E9 D3C4E240 A
02 012EA C2C1C47A A
02 012EB 40C9D3D3 A
02 012EC C5C7C1D3 A
02 012ED 4D7B5D6B A
02 012EE F4D5D2D5 A
02 012EF D6E6D54D A
02 012F0 5C5D6BD6 A
02 012F1 D940C9D5 A
02 012F2 F5C1D3C9 A
02 012F3 C44D5B5D A
02 012F4 40C4C5E5 A
02 012F5 D5C1D4C5 A

6186
02 012F6 2A5CC2C1 A
02 012F7 C440D9C2 A

BDSWM

TEXTC

*BAD RBSWITCH; ILLEGAL WSN OR SWITCH TYPE,

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	02	012F8	F2E6C9E3	A			
	02	012F9	F3C87A40	A			
	02	012FA	40C9D3D3	A			
	02	012FB	F5C7C1D3	A			
	02	012FC	40E6E2D5	A			
	02	012FD	40D6D940	A			
	02	012FE	F2E6C9E3	A			
	02	012FF	F3C840E3	A			
	02	01300	F8D7C540	A			
6187	02	01301	03404040	A	T0FM	TEXTC	'
6188					BSZFLD	TEXTC	'*CC ERROR: BAD OPTION(#), SYNTAX(#), OR ',,
6189	02	01302	315CC3C3	A			IVALUE(*)'
	02	01303	40C5D9D9	A			
	02	01304	D6D97A40	A			
	02	01305	40C2C1C4	A			
	02	01306	40D6D7E3	A			
	02	01307	F9D6D54D	A			
	02	01308	5B5D6B40	A			
	02	01309	F2E8D5E3	A			
	02	0130A	F1E74D7B	A			
	02	0130B	5D6B40D6	A			
	02	0130C	D940E5C1	A			
	02	0130D	D3E4C54D	A			
	02	0130E	5C5D4040	A			
6190	02	0130F	145CC9D3	A	BDJM	TEXTC	'*ILLEGAL JOB COMMAND,
	02	01310	D3C5C7C1	A			
	02	01311	D340D1D6	A			
	02	01312	C240C3D6	A			
	02	01313	D4D4C1D5	A			
	02	01314	C4404040	A			
6191					BDRESM	TEXTC	'* LIMIT ERROR: SYNTAX(#), OPTION(#), OR ',,
6192	02	01315	545C5AD3	A			IVALUE(*) BAD; OR VALUE TOO BIG FOR SYSTEM(&)'
	02	01316	F9D4C9E3	A			
	02	01317	40C5D9D9	A			
	02	01318	D6D97A40	A			
	02	01319	F2E8D5E3	A			
	02	0131A	F1E74D7B	A			

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	02	0131B	5D6B40D6	A			
	02	0131C	D7E3C9D6	A			
	02	0131D	D54D5B5D	A			
	02	0131E	6B40D6D9	A			
	02	0131F	40E5C1D3	A			
	02	01320	F4C54D5C	A			
	02	01321	5D40C2C1	A			
	02	01322	C45E40D6	A			
	02	01323	D940E5C1	A			
	02	01324	D3E4C540	A			
	02	01325	F3D6D640	A			
	02	01326	C2C9C740	A			
	02	01327	C6D6D940	A			
	02	01328	F2E8E2E3	A			
	02	01329	C5D44D50	A			
6193	02	0132A	5D404040	A	NO SERM	TEXTC	(*OUT OF SERIAL NUMBER SPACE)
	02	0132B	1B5CD6E4	A			
	02	0132C	F340D6C6	A			
	02	0132D	40E2C5D9	A			
	02	0132E	C9C1D340	A			
	02	0132F	D5E4D4C2	A			
	02	01330	C5D940E2	A			
6194	02	01331	D7C1C3C5	A	NO SLM	TEXTC	(*OUT OF MFILE SLOTS - MFILE LOST)
	02	01332	205CD6E4	A			
	02	01333	F340D6C6	A			
	02	01334	40D4C6C9	A			
	02	01335	D3C540E2	A			
	02	01336	D3D6E3E2	A			
	02	01337	406040D4	A			
	02	01338	C6C9D3C5	A			
	02	01339	40D3D6E2	A			
6195	02	0133A	F3404040	A	ACCP TM	TEXTC	(*JOB ACCEPTED)
	02	0133B	D5CD1D6	A			
	02	0133C	C240C1C3	A			
	02	0133D	C3C5D7E3	A			
	02	0133E	C5C44040	A			
6196	02	0133F	D5CD1D6	A	ABORTM	TEXTC	(*JOB ABORTED)

	02	01340	C240C1C2	A			
	02	01341	D6D9E3C5	A			
	02	01342	C4404040	A			
6197	02	01343	7AE3C5D9	A	J0BMT	TEXT	!; TERMINAL JOB !
	02	01344	D4C9D5C1	A			
	02	01345	D340D1D6	A			
	02	01346	C2404040	A			
6198	02	01347	7AD7D9D6	A	J0BMP	TEXT	!; PROCESSOR JOB !
	02	01348	C3C5E2E2	A			
	02	01349	D6D940D1	A			
	02	0134A	D6C24040	A			
6199	02	0134B	C9D5D7E4	A	INPTM	TEXT	! INPUT !
	02	0134C	F3404040	A			
6200	02	0134D	215CC1C2	A	NRMES	TEXTC	! * ABOVE JOB NEEDS PARTITION CHANGE !
	02	0134E	D6E5C540	A			
	02	0134F	D1D6C240	A			
	02	01350	D5C5C5C4	A			
	02	01351	F240D7C1	A			
	02	01352	D9E3C9E3	A			
	02	01353	C9D6D540	A			
	02	01354	C3C8C1D5	A			
	02	01355	C7C54040	A			
6201	02	01356	1A404040	A	ASTER	TEXTC	! ***** !
	02	01357	40404040	A			
	02	01358	405C5C5C	A			
	02	01359	5C5C5C5C	A			
	02	0135A	5C5C5C5C	A			
	02	0135B	5C5C5C5C	A			
	02	0135C	5C5C5C40	A			
6202	02	0135D	255CD5D6	A	N0SYS	TEXTC	! * NO ! SYS AUTHORIZATION .. JOB DELETED !
	02	0135E	407AE2E8	A			
	02	0135F	F240C1E4	A			
	02	01360	F3C8D6D9	A			
	02	01361	C9E9C1E3	A			
	02	01362	C9D6D540	A			
	02	01363	606040D1	A			
	02	01364	D6C240C4	A			

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6203 02 01365 C5D3C5E3 A
 02 01366 C5C44040 A
 02 01367 215CC3C1 A
 02 01368 D9C4E240 A
 02 01369 C6D6D3D3 A
 02 0136A D6E6C9D5 A
 02 0136B C740C6C9 A
 02 0136C D561D9C2 A
 02 0136D C9C440C9 A
 02 0136E C7D5D6D9 A
 02 0136F C5C44040 A

IGMES TEXTC ,*CARDS FOLLOWING FIN/RBID IGNORED,

6204 02 01370 425CD7E4 A
 6205 02 01371 D5C3C8C5 A
 02 01372 C440D6E4 A
 02 01373 F3D7E4E3 A
 02 01374 40D9C5C1 A
 02 01375 C4E84060 A
 02 01376 6040D7D9 A
 02 01377 C5E2E240 A
 02 01378 7DE2C9C7 A
 02 01379 D5C1D340 A
 02 0137A D9C5D4D6 A
 02 0137B F3C57D40 A
 02 0137C F6C8C5D5 A
 02 0137D 40D9C5C1 A
 02 0137E C4E840E3 A
 02 0137F D640D7E4 A

PUNMES TEXTC ,*PUNCHED OUTPUT READY == PRESS ,,SIGNAL ,,,
'REMOTE'' WHEN READY TO PUNCH'

6206 02 01380 D5C3C840 A
 02 01381 2B5CC1C2 A
 02 01382 D6E5C540 A
 02 01383 C3C340E4 A
 02 01384 D5D9C5C3 A
 02 01385 D6C7D5C9 A
 02 01386 F9C5C440 A
 02 01387 D6D940C9 A
 02 01388 D3D3C5C7 A

UNKN TEXTC ,*ABOVE CC UNRECOGNIZED OR ILLEGAL = SKIPPED,

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02	01389	C1D34060	A		
02	0138A	40E2D2C9	A		
6207	02	0138B	D7D7C5C4	A	
	02	0138C	2B5CD7D9	A	BADPRI TEXTC ,*PRIORITY OF JOB > STATION MAX . SET TO MAX;
	02	0138D	C9D6D9C9	A	
	02	0138E	F3E840D6	A	
	02	0138F	C640D1D6	A	
	02	01390	C2406E40	A	
	02	01391	F2E3C1E3	A	
	02	01392	C9D6D540	A	
	02	01393	D4C1E740	A	
	02	01394	6040E2C5	A	
	02	01395	F340E3D6	A	
6208	02	01396	40D4C1E7	A	
	02	01397	225CD4C9	A	NJMES TEXTC ,*MISSING JOB COMMAND . JOB IGNORED;
	02	01398	F2E2C9D5	A	
	02	01399	C740D1D6	A	
	02	0139A	C240C3D6	A	
	02	0139B	D4D4C1D5	A	
	02	0139C	C4406040	A	
	02	0139D	D1D6C240	A	
	02	0139E	C9C7D5D6	A	
	02	0139F	D9C5C440	A	
6209	02	013A0	155CC9D3	A	BKFM TEXTC ,*ILLEGAL FORMS CHANGE;
	02	013A1	D3C5C7C1	A	
	02	013A2	D340C6D6	A	
	02	013A3	D9D4E240	A	
	02	013A4	C3C8C1D5	A	
	02	013A5	C7C54040	A	
6210	02	013A6	1F404040	A	STATMES TEXTC , ***** STATUS *****;
	02	013A7	40405C5C	A	
	02	013A8	5C5C5C5C	A	
	02	013A9	5C5C4040	A	
	02	013AA	F2E3C1E3	A	
	02	013AB	F4E24040	A	
	02	013AC	5C5C5C5C	A	
	02	013AD	5C5C5C5C	A	

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6211 02 013AE 235C5C5C A
 02 013AF 40E2E3C1 A
 02 013B0 F3E4E27A A
 02 013B1 4040D5D6 A
 02 013B2 40C6C9D3 A
 02 013B3 F5E240C9 A
 02 013B4 D540E2E8 A
 02 013B5 F2E3C5D4 A
 02 013B6 405C5C5C A
 6212 02 013B7 255CC4C5 A
 02 013B8 F5C9C3C5 A
 02 013B9 40D5D6E3 A
 02 013BA 40C9D540 A
 02 013BB F3D6D5C3 A
 02 013BC F4D9D9C5 A
 02 013BD D5E340D6 A
 02 013BE F4E3D7E4 A
 02 013BF F340D4D6 A
 02 013C0 C4C54040 A

NOSTAT TEXTC !*** STATUS! NO FILES IN SYSTEM ***!

CANTSTOP TEXTC !*DEVICE NOT IN CONCURRENT OUTPUT MODE!

6213
 6214
 6215
 6216
 6217
 6218 02 013C0
 6219 02 013C2 5AD9C2D4 A
 F2C70000
 6220 02 013C4 5AD9C2C4 A
 F9E20000
 6221 02 013C6 5AD9C2E2 A
 F9E90000
 6222 02 013C8 5AD9C2C3 A
 D6D50000
 6223 02 013CA 5AD9C2D9 A
 C5D70000
 6224 02 013CC 5AD9C2C1 A
 F2D60000

CCRB COM,48,16 AF(1),0
 VEC COM,8 AF(1),VEGBSE
 BOUND 8

***DANGER! THE ORDER OF THE FIRST SEVEN COMMANDS IS CRITICAL

RBCC EQU *2
 CCRB ' RBMSG'
 CCRB ' RBDIS'
 CCRB ' RBSIZ'
 CCRB ' RBCON'
 CCRB ' RBREP'
 CCRB ' RBABO'

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6225	02	013CE	5AD9C2E2 A	CCRB	RBSAV!
			C1E50000		
6226	02	013D0	5AD9C2E2 A	CCRB	RBSTA!
			F3C10000		
6227	02	013D2	5AD9C2E2 A	CCRB	RBSUS!
			F4E20000		
6228	02	013D4	5AD9C2C3 A	CCRB	RBCTL!
			F3D30000		
6229	02	013D6	5AD9C2D7 A	CCRB	RBPRI!
			D9C90000		
6230	02	013D8	5AD9C2D3 A	CCRB	RBL0C!
			D6C30000		
6231	02	013DA	5AD9C2C1 A	CCRB	RBALI!
			D3C90000		
6232	02	013DC	5AD9C2C9 A	CCRB	RBINF!
			D5C60000		
6233	02	013DE	5AD9C2C4 A	CCRB	RBDEV!
			C5E50000		
6234	02	013E0	5AD9C2E7 A	CCRB	RBXXX!
			F7E70000		
6235		00000011		FIACOM	EQU DA(*)=DA(RBCC)
6236	02	013E2	5AD9C2E4 A	CCRB	RBUNL!
			D5D30000		
6237	02	013E4	5AD9C2C6 A	CCRB	RBF0R!
			D6D90000		
6238	02	013E6	5AD9C2C8 A	CCRB	RBH0L!
			D6D30000		
6239	02	013E8	5AD9C2D9 A	CCRB	RBRET!
			C5E30000		
6240	02	013EA	5AD9C2C4 A	CCRB	RBDEL!
			C5D30000		
6241	02	013EC	5AD9C2E2 A	CCRB	RBSWI!
			F6C90000		
6242		00000016		#RBCCS	EQU DA(*)=DA(RBCC)=1
6243		00000017		J0BC0M	EQU #RBCCS+1
6244		00000018		RESC0M	EQU J0BC0M+1
6245		00000019		SWC0M1	EQU RESC0M+1

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 6246 02 013EE 5AD9C2C9 A
 P4400000
 6247 02 013F0 615CE2C9 A
 02 013F1 C7D5D6D5 A
 6248 02 013F2
 6249 02 013F2 00004CEE
 6250 02 013F3 0400046E 03
 6251 02 013F4 00004D0C
 6252 02 013F5 0E000472 03
 6253 02 013F6 00004D1C
 6254 02 013F7 0F000472 03
 6255 02 013F8 00004D2C
 6256 02 013F9 0600046E 03
 6257 02 013FA 00000034 A
 6258 02 013FB 0400046E 03
 6259 02 00444
 6260 02 013FC
 6261 02 013FC 00 A
 6262 02 013FC 1 4E A
 6263 02 013FC 2 68 A
 6264 02 013FC 3 FA A
 6265 02 013FD 00 A
 6266 02 013FD 1 00 A
 6267 02 013FD 2 00 A
 6268 02 013FD 3 00 A
 6269 02 013FE 99 A
 6270 02 013FE 1 4D A
 6271 02 013FE 2 56 A
 6272 02 013FE 3 82 A
 6273 02 013FF 10 A
 6274 02 013FF 1 1F A
 6275 02 013FF 2 09 A
 6276 02 013FF 3 B3 A
 6277 02 01400 B1 A
 6278 02 01400 1 18 A
 6279 02 01400 2 30 A
 6280 02 01400 3 70 A

TRBID CCRB ' RBID '
 TSGON TEXT /*SIGNON,
 JBMS EQU \$
 DATA BA(ACCRTM)+2
 GEN,8,24 4,BA(OPBUF)+2
 DATA BA(JOBMT)
 GEN,8,24 14,BA(OPBUF+1)+2
 DATA BA(JOBMP)
 GEN,8,24 15,BA(OPBUF+1)+2
 INPTR DATA BA(INPTM)
 GEN,8,24 6,BA(OPBUF)+2
 SIDPTR DATA R13++2
 GEN,8,24 4,BA(OPBUF)+2
 VECBSE SET RBCCBSE
 RBCCVEC EQU \$
 VEC RBCCBSE
 VEC RBMSG
 VEC RBDISC
 VEC RBSZ
 VEC RBSSS
 VEC RBSSS
 VEC RBSSS
 VEC RBSSS
 VEC RBSSS
 VEC RBSTAT
 VEC RBSUSP
 VEC RBCTL
 VEC RBPRI0
 VEC RBL0CK
 VEC RBALGN
 VEC RBINFB
 VEC RBDEV
 VEC RBXXX
 VEC RBUNL0CK
 VEC RBFORM
 VEC RBHOLD

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6281	02	01401	7C	A
6282	02	01401	1 DA	A
6283	02	01401	2 80	A
6284				
6285				
6286		02 01402		
6287	02	01402	00000306	03
6288	02	01403	00000313	03
6289	02	01404	000002D6	03
6290	02	01405	FFFFFFFFCDD	N
6291	02	01406	000002DB	03
6292	02	01407	000002E8	03
6293	02	01408	000002CB	03
6294	02	01409	FFFFFFFFD08	N
6295		02 012D6		
6296		02 0140A		
6297	02	0140A	AB	A
6298	02	0140A	1 AB	A
6299	02	0140A	2 AB	A
6300	02	0140A	3 2C	A
6301	02	0140B	11	A
6302	02	0140B	1 11	A
6303	02	0140B	2 11	A
6304	02	0140B	3 11	A
6305	02	0140C	00	A
6306	02	0140C	1 11	A
6307	02	0140C	2 11	A
6308	02	0140C	3 11	A
6309	02	0140D	11	A
6310	02	0140D	1 11	A
6311	02	0140D	2 AB	A
6312	02	0140D	3 AB	A
6313	02	0140E	AB	A
6314	02	0140E	1 11	A
6315	02	0140E	2 00	A
6316	02	0140E	3 00	A
6317	02	0140F	00	A

VEC	RBRET
VEC	RBDEL
VEC	RBSWT
BOUND	4

MSVEC	EQU \$
	DATA SMPR
	DATA SMPU
	DATA SMRIN
	DATA -SMIN
	DATA SMHPR
	DATA SMHPU
	DATA SMRINH
	DATA -SMHIN
VECBSE	SET MSBSE
MKME\$	EQU \$
	VEC UNKN
	VEC UNKN
	VEC UNKN
	VEC BSZFLD
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC UNKN
	VEC UNKN
	VEC UNKN
	VEC UNKN
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV
	VEC BDDEV


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6318 02 0140F 1 00 A
6319 02 0140F 2 00 A
6320 02 0140F 3 39 A
6321 02 01410 3F A
6322 02 01410 1 20 A
6323
6324
6325 02 00742
6326 02 01411
6327 02 01411 00 A
6328 02 01411 1 08 A
6329 02 01411 2 01 A
6330 02 01411 3 00 A
6331 02 01412 00 A
6332 02 01412 1 00 A
6333 02 01412 2 00 A
6334 02 01412 3 12 A
6335
6336
6337 02 01413
6338 02 01413 00000004 A
6339 02 01414 03D74040 A
6340 02 01415 03D74040 A
6341 02 01416 05D6C5D4 A
6342 02 01417 05D44040 A
6343 00000004
6344 02 01417
6345 02 01418 FFFFF39C N
6346 02 01419 FFFFF397 N
6347 02 0141A 00000C72
6348 02 0141B 00000C6E
6349
6350 02 0141C
6351 02 0141C 15000000 N
6352 02 0141D 80000000 A
6353 02 0141E 00000002 A
6354 02 0141F

```

```

VEC BDFLD
VEC BDFLD
VEC BDJM
VEC BDRESM
VEC BDSWM
BOUND *
*****
VECBSE SET XP2BSE
XP2VEC EQU *
VEC XP2BSE
VEC RRFM
VEC RGFm
VEC XP2BSE
VEC XP2BSE
VEC XP2BSE
VEC XP2BSE
VEC RREC
BOUND *
*****
SIZOPS EQU *
DATA #SIZOPS
TEXT ICP,
TEXT ILPI
TEXT INOEM
TEXT IEM
#SIZOPS EQU *-SIZOPS-1
SIZPTR EQU *-1
DATA =CP
DATA =LP
DATA NOEM
DATA EM
*****
CLSXX EQU *
GEN,8,24 X'151,M,XX
DATA X'80000000'
DATA 2
RDXX EQU *

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6355 02 0141F 10000000 N
 6356 02 01420 F8000010 A
 6357 02 01421 000008CE
 6358 02 01422 000008CE
 6359 02 01423 00000252 03
 6360 02 01424 00000168 A
 6361 02 01425 0000024E 03
 6362 02 01426 01426
 6363 02 01426 14000000 N
 6364 02 01427 C7400209 A
 6365 02 01428 000008CE
 6366 02 01429 000008CE
 6367 02 0142A 00000002 A
 6368 02 0142B 00000002 A
 6369 02 0142C 00000001 A
 6370 02 0142D 00000002 A
 6371 02 0142E 01000202 A
 6372 02 0142F 067AD9C2 A
 02 01430 D3D6C740 A
 6373 02 01431 02000202 A
 6374 02 01432 7AE2E8E2 A
 02 01433 40404040 A
 6375 02 01434 03010202 A
 6376 02 01435 DFEF803F A
 6377 02 01436 AFC0BF9F A
 6378 02 01437 01437
 6379 02 01437 10000000 N
 6380 02 01438 F8000010 A
 6381 02 01439 000008CE
 6382 02 0143A 000008CE
 6383 02 0143B 00000079 03
 6384 02 0143C 00000800 A
 6385 02 0143D 0000143E
 6386 02 0143E 03616161 A
 1* 02 0143F 14000000 N
 2* 02 01440 C7480009 A
 3* 02 01441 000001D1

0PNXX

RSXX

RSXXK
0PNXX0

GEN,8,24 X'10',MIXX
 DATA X'F8000010'
 DATA PIDEA
 DATA PIDEA
 DATA REC
 DATA RECSZ
 DATA FLD
 EQU *
 GEN,8,24 X'14',MIXX
 DATA X'C7400209'
 DATA PIDEA
 DATA PIDEA
 DATA 2
 DATA 2
 DATA 1
 DATA 2
 DATA X'01000202'
 TEXTC 'RBL0G'
 DATA X'02000202'
 TEXT 'SYS '
 DATA X'03010202'
 DATA X'DFEF803F'
 DATA X'AFC0BF9F'
 EQU *
 GEN,8,24 X'10',MIXX
 DATA X'F8000010'
 DATA PIDEA
 DATA PIDEA
 PZE *KSWFLG
 DATA 2048
 DATA RSXXK
 TEXTC '///'
 GEN,8,24 X'14',MIXX
 DATA X'C7480009'
 DATA DMPER

BITS,ACCT IS HERE,FILE ASN
ERR

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4*	02	01442	000001D1	DATA	DMPER	ABN
5*	02	01443	00000002 A	DATA	2	KEYED
6*	02	01444	00000002 A	DATA	2	DIRECT
7*	02	01445	00000002 A	DATA	2	OUT
8*	02	01446	00000002 A	DATA	2	SAVE
9*	02	01447	00000007 A	DATA	7	KEYM
10*	02	01448	01000202 A	DATA	X'01000202'	FILE NAME
11*	02	01449	077AD9C2 A	TEXTC	'RBBRYR'	
	02	0144A	02D9E5D9 A			
12*	02	0144B	02000202 A	DATA	X'02000202'	ACCOUNT
13*	02	0144C	7AE2E8E2 A	TEXT	'ISYS'	
	02	0144D	40404040 A			
14*	02	0144E	03010002 A	DATA	X'03010002',0,0	CLEAR MIXX PASSWORD
	02	0144F	00000000 A			
	02	01450	00000000 A			
15*	02	01451	14000000 N	OPNXXI0	GEN,8,24 X'14',MIXX	
16*	02	01452	07400009 A	DATA	X'07400009'	BITS, ACCT IS HERE, FILE ASN
17*	02	01453	000001D1	DATA	DMPER	ERR
18*	02	01454	000001CD	DATA	DMPABN	ABN HANDLER FOR 03.00
19*	02	01455	00000002 A	DATA	2	KEYED
20*	02	01456	00000002 A	DATA	2	DIRECT
21*	02	01457	00000004 A	DATA	4	INOUT
22*	02	01458	00000002 A	DATA	2	SAVE
23*	02	01459	01000202 A	DATA	X'01000202'	FILE NAME
24*	02	0145A	077AD9C2 A	TEXTC	'RBBRYR'	
	02	0145B	02D9E5D9 A			
25*	02	0145C	02010202 A	DATA	X'02010202'	ACCOUNT
26*	02	0145D	7AE2E8E2 A	TEXT	'ISYS'	
	02	0145E	40404040 A			
27*	02	0145F	06000000 N	SETXXDCB	GEN,8,24 6,MIXX	M:SETDCB
28*	02	01460	00000000 A	DATA	X'00000000'	
29*	02	01461	000001D1	DATA	DMPER	ERR
30*	02	01462	000001D1	DATA	DMPER	ABN
31*	02	01463	15000000 N	CLSXX0	GEN,8,24 X'15',MIXX	M:CLOSE MIXX,(SAVE)
32*	02	01464	80000000 A	DATA	X'80000000'	
33*	02	01465	00000002 A	DATA	2	SAVE
34*	02	01466	07D9C2C2 A	WRXXKY	TEXTC 'RBBATSO'	RBBAT S.D. (0 TO NOT CONFUSE RCVR)

```

02 01467 C1E3E2F0 A
35* 02 01468 11000000 N
36* 02 01469 F8000040 A
37* 02 0146A 000001D1
38* 02 0146B 000001D1
39* 02 0146C 00000000 03
40*
41* 02 0146D 00000000 N
42* 02 0146E 00001466
43*
6387
6388      02 0146F
6389 02 0146F 00000010 A
6390 02 01470 F3C9D4C5 A
6391 02 01471 D6D9C4C5 A
6392 02 01472 D5D6D9C4 A
6393 02 01473 C1C3C3D6 A
6394 02 01474 D4D6E4D5 A
6395 02 01475 D3D64040 A
6396 02 01476 D7D64040 A
6397 02 01477 C4D64040 A
6398 02 01478 F4D64040 A
6399 02 01479 E2C3D9C1 A
6400 02 0147A D7E2E3D6 A
6401 02 0147B F3E2E3D6 A
6402 02 0147C F3C4C9E2 A
6403 02 0147D D7C4C9E2 A
6404 02 0147E F3C94040 A
6405 02 0147F D9C5D9E4 A
6406      00000010
6407      02 0147F
6408 02 01480 FFFFF36B N
6409 02 01481 00000C8E
6410 02 01482 000008A9
6411 02 01483 00000C91
6412 02 01484 00000C97
6413 02 01485

```

```

WRXXSD GEN,8,24 X1111,M,XX M,WRITE M,XX, ETC
DATA XIF,000040! @WNEWKEY
DATA DMPER ERR
DATA DMPER ABN
DATA SDAA STATIC DATA BASE
REF SDSIZE
DATA SDSIZE BYTE COUNT
DATA WRXXKY KEY FB THE RECORD

```

```

RESOPTS EQU $
DATA #RESOPTS
TEXT !TIME!
TEXT !ORDE!
TEXT !NORD!
TEXT !ACCO!
TEXT !MOUN!
TEXT !LB!
TEXT !PB!
TEXT !DB!
TEXT !UB!
TEXT !SCRA!
TEXT !PST0!
TEXT !TST0!
TEXT !TDIS!
TEXT !PDIS!
TEXT !TI !
TEXT !RERU!
#RESOPTS EQU $-RESOPTS-1
RESPTR EQU $-1
DATA #TIMEL
DATA BRDR
DATA NBRDR
DATA ACCNT
DATA MBUNT
DB1 9

```

```

6414 02 01485 00000000 A
      02 01486 00000000 A
      02 01487 00000000 A
      02 01488 00000000 A
      02 01489 00000000 A
      02 0148A 00000000 A
      02 0148B 00000000 A
      02 0148C 00000000 A
      02 0148D 00000000 A
6415 02 0148E FFFFFFF36B N
6416 02 0148F 00000C93
    
```

DATA 0

DATA *TIME[
DATA RERUN

*REMOTE BATCH FLAGS (RBIFLAG)

6418					
6419	EXT				
6420	00008000	BPBIT	EQU	Y8	BLOCK PROTECT TOGGLE
6421	00000002	DUPBIT	EQU	X'8000'	FULL DUPLEX
6422	00000004	EMBIT	EQU	2	*1 => N0EM
6423	00000001	FINBIT	EQU	4	FIN ENCOUNTERED
6424	00000008	FRBIT	EQU	1	FIRST READ
6425	EXT	LIPBIT	EQU	8	LOGON IN PROGRESS
6426	00000010	MORBIT	EQU	Y2	CONTINUED JOB STREAM
6427	EXT	SSSBIT	EQU	X'10'	SUSPEND AND SWITCH SYMBIANT
6428	00000020	HUBIT	EQU	Y1	HUNG UP
6429	00000040	FIABIT	EQU	X'20'	FILES ALTERED
6430	00000080	QADBIT	EQU	X'40'	
6431	EXT	XP2BIT	EQU	X'80'	
6432	00000100	PUNBIT	EQU	Y08	OK TO PUNCH
6433	00000200	CTRBIT	EQU	X'100'	GHOST BLOCKS RBSS
6434	00000400	ACTBIT	EQU	X'200'	ACTIVE
6435	EXT	CLKBIT	EQU	X'400'	
6436	00000800	IGBIT	EQU	Y4	CARDS WERE IGNORED
6437	00001000	HALBIT	EQU	X'800'	HOLDALL
6438	00002000	SYSBIT	EQU	X'1000'	CAN USE ;SYS
6439	00004000	LOFBIT	EQU	X'2000'	LAGGED OFF
6440	00010000	DISCBIT	EQU	X'4000'	DISCONNECT ON READ
6441	00020000	RBXBIT	EQU	X'10000'	DISCONNECT NOW
6442	00040000	BFFBIT	EQU	X'20000'	RBSS IGNORE THIS GUY
		EDISBIT	EQU	X'40000'	DISCED FOR ERRORS

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6443	EXT	ALBIT	EQU	Y008
6444	EXT	DCBIT	EQU	Y04
6445	EXT	DIALBIT	EQU	Y0008
6446	EXT	IBMBIT	EQU	Y001
6447	02 01490	TBYS	EQU	*
6448	02 01490	HASPBIT	DATA	X'02000000'
6449	02 01491	2780BIT	DATA	X'00200000'
6450	0000001E	IRS	EQU	X'1E'
6451	02 01492	3780BIT	DATA	X'00100000'
6452	EXT	SLVBIT	EQU	Y01
6453	EXT	XP1BIT	EQU	Y004
6454	02 01493	SLVXP2BT	DATA	X'01000080'
6455	02 01494	AL#DCBIT	DATA	X'04800000'
6456	02 01495	HA#SSSBT	DATA	X'02000010'
6457	02 01496	NA#LGBT	DATA	X'FF7FFFF7'
6458	02 01497	IDUBTS	DATA	X'04800200'
6459	02 01498	SGBITS	DATA	X'06288040'
6460	02 01499	BSCBTS	DATA	X'02200000'
6461	02 0149A	NCTRBIT	DATA	=1#CTRBIT
6462	02 0149B	MSKH	DATA	X'FC878455'
6463	02 0149C	MSKG	DATA	X'03787BAA'

* HASP CONTEXT PAGE DESCRIPTION

6464				
6465				
6466	00000001	HPR	EQU	1
6467	00000002	HBB	EQU	2
6468	00000003	HRB	EQU	3
6469	00000004	HWB	EQU	4
6470	00000005	CPB	EQU	5
6471	00000006	CBB	EQU	6
6472	00000007	CRB	EQU	7
6473	00000008	CWB	EQU	8
6474		* .		
6475	0000000D	BCRCB	EQU	13
6476		* .		
6477	00000015	CFC	EQU	21
6478		* .		
6479		* .		

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6480 0000001F
6481
6482 00000024
6483 00000025
6484
6485 00000026
6486 00000049
6487 00000087
6488 00000125
6489 00000193
6490 0000004E
6491 0000001E
6492
6493 00000010
6494 00000022
6495 00000200
6496 02 0149D FFFFFFFF A
6497 00000001
6498 00000002
6499 00000008
6500 00000010
6501 00004000
6502 00000020
6503 02 0149E 00000010 A
6504 02 0149F 00004000 A
6505 02 014A0 FFFFFFFF A
6506 02 014A1 FFFF8FFF A
6507 00000400
6508 02 014A2 00000400 A
6509 02 014A3 FFFF8FFF A
6510 02 014A4 FFFF8FFF A
6511 00000040
6512 02 014A5 00000020 A
6513 00000800
6514 00008000
6515
6516 02 014A6 4040C1C3 A

C0NTCK EQU 31
*.
TTYP EQU 36
RTRY EQU 37
*.
SPB EQU 38
BUF1 EQU 73
BUF2 EQU 183
BUF3 EQU 293
BUF4 EQU 403
BUFSZ EQU 110
37BUFDIF EQU 30
*OTHER HASP INFO
DLE EQU X'10'
ARFCN EQU 2
BKSBIT EQU X'200'
NBKSBIT DATA =1=BKSBIT
INBIT EQU 1
BCBIT EQU 2
SRCB2BT EQU 8
L0CBIT EQU X'10'
ALGBIT EQU X'4000'
FLKBIT EQU X'20'
XL0CBT DATA L0CBIT
XALGBT DATA ALGBIT
NL0CBT DATA =1=L0CBIT
NALGBT DATA =1=ALGBIT
STPBIT EQU X'400'
XSTPBIT DATA STPBIT
NSTPBT DATA =1=STPBIT
NSTALBT DATA =1=STPBIT.ALGBIT
FMSBIT EQU X'40'
XFLKBIT DATA FLKBIT
WFQBIT EQU X'800'
XSETBIT EQU X'8000'

ACCTPRT TEXT 1 ACCOUNT 16 *PARTITIONS* 1'

```

02 014A7 C3D6E4D5 A
02 014A8 F34040F1 A
02 014A9 F6405CD7 A
02 014AA C1D9E3C9 A
02 014AB F3C9D6D5 A
6517 02 014AC F25C40F1 A
02 014AD 135CD5D6 A
02 014AE F3C8C9D5 A
02 014AF C740E3D6 A
02 014B0 40C4C9E2 A
02 014B1 D7D3C1E8 A

6518
6519      02 014B2
6520 02 014B2 FF A
6521 02 014B2 1 C A
6522 02 014B2 1 C C F A
02 014B2 2 C C C F A
02 014B2 3 C C C C F A
02 014B3 C C C C F A
02 014B3 1 C C C C F A
02 014B3 2 C C C C F A
02 014B3 3 C C C C F A
6523 02 014B4 C C C C F A
6524 02 014B4 1 C C C C F A
6525 02 014B4 1 C C C C F A
02 014B4 2 C C C C F A
02 014B4 3 C C C C F A
02 014B5 C C C C F A
6526 02 014B5 1 C C C C F A
6527 02 014B5 2 C C C C F A
6528 02 014B5 2 C C C C F A
02 014B5 3 C C C C F A
02 014B6 C C C C F A
02 014B6 1 C C C C F A
02 014B6 2 C C C C F A
02 014B6 3 C C C C F A
02 014B7 C C C C F A

```

N0DIS TEXTC ,*NOTHING TO DISPLAY,

```

*****
TRTBL EQU $ THE SCANNER WORKS AS FOLLOWS:
DATA,1 X'FF'
DB1 7
DATA,1 X'F' TRT SCANS DOWN THE BYTE STRING STAR

DATA,1 X'FF' WITH THE CURRENT BYTE POSITION IN R
DB1 4 EACH BYTE IS USED AS AN INDEX INTO
DATA,1 X'F' THE TRANSLATION BYTE THUS OBTAINED

DATA,1 X'FF' IS ANDED WITH THE MASK PASSED TO TR
DB1 7 IF THE AND IS ZERO THE SCAN CONTINU
DATA,1 X'F' NOT THE ANDED MASK IS PUT INTO THE

```


	02	014C0	1	A	A
	02	014C0	2	A	A
	02	014C0	3	A	A
	02	014C1		A	A
	02	014C1	1	A	A
	02	014C1	2	A	A
	02	014C1	3	A	A
6532	02	014C2	20	A	
6533	02	014C2	1		
6534	02	014C2	1	A	
	02	014C2	2	A	
	02	014C2	3	A	
	02	014C3		A	
	02	014C3	1	A	
	02	014C3	2	A	
	02	014C3	3	A	
	02	014C4		A	
	02	014C4	1	A	
	02	014C4	2	A	
6535	02	014C4	3	A	
6536	02	014C5		A	
6537	02	014C5	1	A	
6538	02	014C5	2		
6539	02	014C5	2	A	
	02	014C5	3	A	
	02	014C6		A	
	02	014C6	1	A	
	02	014C6	2	A	
	02	014C6	3	A	
	02	014C7		A	
	02	014C7	1	A	
	02	014C7	2	A	
	02	014C7	3	A	
	02	014C8		A	
	02	014C8	1	A	
	02	014C8	2		
6540	02	014C8	3		

```

DATA,1 X'20'
DB1 10
DATA,1 X'F'

```

```

THE CONDITION CODES.
:
:

```

```

DATA,1 X'FF'
DATA,1 X'F'
DATA,1 X'3A'
DB1 13
DATA,1 X'F'

```

```

:
:
TRTRL IS CONSTRUCTED AS FOLLOWS:
:
FOR EACH CHARACTER X'00' TO X'FF' T
TRANSLATION BYTE IS CHOSEN BY THE

```

```

DB1 2

```

```

FOLLOWING CHARACTERISTICS.

```

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6541	02	014C8	3	07	A
	02	014C9		07	A
6542	02	014C9	1	3C	A
6543	02	014C9	2	FF	A
6544	02	014C9	3	FF	A
6545	02	014CA		07	A
6546	02	014CA	1		A
6547	02	014CA	1	0F	A
	02	014CA	2	0F	A
	02	014CA	3	0F	A
	02	014CB		0F	A
	02	014CB	1	0F	A
	02	014CB	2	0F	A
	02	014CB	3	0F	A
	02	014CC		0F	A
	02	014CC	1	0F	A
	02	014CC	2	0F	A
6548	02	014CC	3	40	A
6549	02	014CD		07	A
6550	02	014CD	1	07	A
6551	02	014CD	2		A
6552	02	014CD	2		A
	02	014CD	3		A
	02	014CE			A
	02	014CE	1		A
	02	014CE	2		A
	02	014CE	3		A
	02	014CF			A
	02	014CF	1		A
	02	014CF	2		A
	02	014CF	3		A
	02	014D0			A
	02	014D0	1		A
6553	02	014D0	2		A
6554	02	014D0	2	07	A
	02	014D0	3	07	A
	02	014D1		07	A

DATA,1	7
DATA,1	X'3C'
DATA,1	X'FF'
DATA,1	X'F'
DATA,1	7
DB1	10
DATA,1	X'F'
DATA,1	X'40'
DATA,1	7
DATA,1	7
DB1	12
DATA,1	X'F'
DB1	3
DATA,1	7

:

X'01' = NOT A DELIMITER
X'02' = NOT LEGAL DECIMAL
X'04' = NOT LEGAL HEX
X'08' = NOT A LEGAL NAME CHARACTER
X'10' = THIS IS A PARENTHESIS
X'20' = THIS IS A BLANK

X'40' = THIS IS A COMMA
X'80' = THIS IS END OF CARD
!

THE TRANSLATION IS THE 10R, OF THE
APPROPRIATE CHARACTERISTICS OF THE

BYTE. ,(, AND), ARE SPECIAL CASES
LIKE BLANKS UNLESS SPECIFICALLY LOG

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6555	02	014D1	1	0F	A
6556	02	014D1	2	40	A
6557	02	014D1	3		
6558	02	014D1	3	0F	A
	02	014D2		0F	A
6559	02	014D2	1		
6560	02	014D2	1	07	A
	02	014D2	2	07	A
	02	014D2	3	07	A
	02	014D3		07	A
	02	014D3	1	07	A
	02	014D3	2	07	A
	02	014D3	3	07	A
	02	014D4		07	A
	02	014D4	1	07	A
6561	02	014D4	2		
6562	02	014D4	2	0F	A
	02	014D4	3	0F	A
	02	014D5		0F	A
	02	014D5	1	0F	A
	02	014D5	2	0F	A
	02	014D5	3	0F	A
	02	014D6		0F	A
6563	02	014D6	1		
6564	02	014D6	1	07	A
	02	014D6	2	07	A
	02	014D6	3	07	A
	02	014D7		07	A
	02	014D7	1	07	A
	02	014D7	2	07	A
	02	014D7	3	07	A
	02	014D8		07	A
	02	014D8	1	07	A
6565	02	014D8	2		
6566	02	014D8	2	0F	A
	02	014D8	3	0F	A
	02	014D9		0F	A

DATA,1	X'F'
DATA,1	X'40'
DB1	2
DATA,1	X'F'
DB1	9
DATA,1	7
DB1	7
DATA,1	X'F'
DB1	9
DATA,1	7
DB1	8
DATA,1	X'F'

```

:
:
:
THE MASKS ARE AS FOLLOWS;
:
X'AO' = STOP ON BLANK OR EBC ONLY (I
:
X'CO' = STOP ON ', ' OR EBC ONLY (CO
X'80' = STOP ON EBC ONLY (EBCMSK)
:
X'90' = STOP ON PAREN OR EBC ONLY (I
X'C1' = STOP ON NON-BLANK (NBMSK)
:
X'DF' = STOP ON NON-BLANK INCL. PARI
X'F2' = STOP ON NON-DEC (NDMSK)

```

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	02	014D9	1	A
	02	014D9	2	A
	02	014D9	3	A
	02	014DA		A
	02	014DA	1	A
6567	02	014DA	2	
6568	02	014DA	2	A
	02	014DA	3	A
	02	014DB		A
	02	014DB	1	A
	02	014DB	2	A
	02	014DB	3	A
	02	014DC		A
	02	014DC	1	A
6569	02	014DC	2	
6570	02	014DC	2	A
	02	014DC	3	A
	02	014DD		A
	02	014DD	1	A
	02	014DD	2	A
	02	014DD	3	A
	02	014DE		A
	02	014DE	1	A
	02	014DE	2	A
	02	014DE	3	A
	02	014DF		A
	02	014DF	1	A
	02	014DF	2	A
	02	014DF	3	A
	02	014E0		A
	02	014E0	1	A
	02	014E0	2	A
	02	014E0	3	A
	02	014E1		A
	02	014E1	1	A
	02	014E1	2	A
	02	014E1	3	A

DB1 8
DATA,1 7

X'F4' = STOP ON NON-HEX (NXMSK)
X'F8' = STOP ON NON-NAME (NNMSK)

DB1 23
DATA,1 X'F'

X'E0' = STOP ON ANY DELIMITER (C0BLI
I

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	02	014E2		0F	A
6571	02	014E2	1		
6572	02	014E2	1	03	A
	02	014E2	2	03	A
	02	014E2	3	03	A
	02	014E3		03	A
	02	014E3	1	03	A
	02	014E3	2	03	A
6573	02	014E3	3		
6574	02	014E3	3	07	A
	02	014E4		07	A
	02	014E4	1	07	A
6575	02	014E4	2		
6576	02	014E4	2	0F	A
	02	014E4	3	0F	A
	02	014E5		0F	A
	02	014E5	1	0F	A
	02	014E5	2	0F	A
	02	014E5	3	0F	A
	02	014E6		0F	A
6577	02	014E6	1		
6578	02	014E6	1	07	A
	02	014E6	2	07	A
	02	014E6	3	07	A
	02	014E7		07	A
	02	014E7	1	07	A
	02	014E7	2	07	A
	02	014E7	3	07	A
	02	014E8		07	A
	02	014E8	1	07	A
6579	02	014E8	2		
6580	02	014E8	2	0F	A
	02	014E8	3	0F	A
	02	014E9		0F	A
	02	014E9	1	0F	A
	02	014E9	2	0F	A
	02	014E9	3	0F	A

DB1 6
DATA,1 3

! IS CONSIDERED TO BE !
0,1,1, 11, AND X108! ARE EBC

DB1 3
DATA,1 7

ALL SCANS STOP ON EBC.
!

DB1 7
DATA,1 X1F!

!
!

DB1 9
DATA,1 7

THE CONDITION CODES AFTER TRT ARE
AS FOLLOWS;

DB1 8
DATA,1 X1F!

!
X18! = EBC WAS HIT (EBC)

	02	014EA		A
	02	014EA	1	A
6581	02	014EA	2	
6582	02	014EA	2	A
	02	014EA	3	A
	02	014EB		A
	02	014EB	1	A
	02	014EB	2	A
	02	014EB	3	A
	02	014EC		A
	02	014EC	1	A
6583	02	014EC	2	
6584	02	014EC	2	A
	02	014EC	3	A
	02	014ED		A
	02	014ED	1	A
	02	014ED	2	A
	02	014ED	3	A
6585	02	014EE		
6586	02	014EE		A
	02	014EE	1	A
	02	014EE	2	A
	02	014EE	3	A
	02	014EF		A
	02	014EF	1	A
	02	014EF	2	A
	02	014EF	3	A
	02	014FO		A
	02	014FO	1	A
6587	02	014FO	2	
6588	02	014FO	2	A
	02	014FO	3	A
	02	014F1		A
	02	014F1	1	A
	02	014F1	2	A
	02	014F1	3	A
6589				

DB1 8
DATA,1 7

X'4' = COMMA WAS HIT (COMA)
X'2' = BLANK WAS HIT

DB1 6
DATA,1 X'F'

X'1' = PAREN WAS HIT (PAR)
X'0' = COMMA OR EOC (COME)

DB1 10
DATA,1 1

X'D' = COMMA, EOC OR PAREN (CEP)
X'E' = COMMA, EOC OR BLANK (CEB)

DB1 6
DATA,1 X'F'

;
;

			CRCTBL	EQU	\$
6590		02 014F2	0000C0C1 A	DATA	X'0000C0C1'
6591	02	014F2	0000C0C1 A	DATA	X'0000C0C1'
6592	02	014F3	C1810140 A	DATA	X'C1810140'
6593	02	014F4	C30103C0 A	DATA	X'C30103C0'
6594	02	014F5	0280C241 A	DATA	X'0280C241'
6595	02	014F6	C60106C0 A	DATA	X'C60106C0'
6596	02	014F7	0780C741 A	DATA	X'0780C741'
6597	02	014F8	0500C5C1 A	DATA	X'0500C5C1'
6598	02	014F9	C4810440 A	DATA	X'C4810440'
6599	02	014FA	CC010CC0 A	DATA	X'CC010CC0'
6600	02	014FB	0D80CD41 A	DATA	X'0D80CD41'
6601	02	014FC	0F00CFC1 A	DATA	X'0F00CFC1'
6602	02	014FD	CE810E40 A	DATA	X'CE810E40'
6603	02	014FE	0A00CAC1 A	DATA	X'0A00CAC1'
6604	02	014FF	CB810B40 A	DATA	X'CB810B40'
6605	02	01500	C90109C0 A	DATA	X'C90109C0'
6606	02	01501	0880C841 A	DATA	X'0880C841'
6607	02	01502	D80118C0 A	DATA	X'D80118C0'
6608	02	01503	1980D941 A	DATA	X'1980D941'
6609	02	01504	1B00DBC1 A	DATA	X'1B00DBC1'
6610	02	01505	DA811A40 A	DATA	X'DA811A40'
6611	02	01506	1E00DEC1 A	DATA	X'1E00DEC1'
6612	02	01507	DF811F40 A	DATA	X'DF811F40'
6613	02	01508	DD011DC0 A	DATA	X'DD011DC0'
6614	02	01509	1C80DC41 A	DATA	X'1C80DC41'
6615	02	0150A	1400D4C1 A	DATA	X'1400D4C1'
6616	02	0150B	D5811540 A	DATA	X'D5811540'
6617	02	0150C	D70117C0 A	DATA	X'D70117C0'
6618	02	0150D	1680D641 A	DATA	X'1680D641'
6619	02	0150E	D20112C0 A	DATA	X'D20112C0'
6620	02	0150F	1380D341 A	DATA	X'1380D341'
6621	02	01510	1100D1C1 A	DATA	X'1100D1C1'
6622	02	01511	D0811040 A	DATA	X'D0811040'
6623	02	01512	F00130C0 A	DATA	X'F00130C0'
6624	02	01513	3180F141 A	DATA	X'3180F141'
6625	02	01514	3300F3C1 A	DATA	X'3300F3C1'
6626	02	01515	F2813240 A	DATA	X'F2813240'

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6627	02	01516	3600F6C1	A	DATA	X'3600F6C1'
6628	02	01517	F7813740	A	DATA	X'F7813740'
6629	02	01518	F50135C0	A	DATA	X'F50135C0'
6630	02	01519	3480F441	A	DATA	X'3480F441'
6631	02	0151A	3C00FCC1	A	DATA	X'3C00FCC1'
6632	02	0151B	FD813D40	A	DATA	X'FD813D40'
6633	02	0151C	FF013FC0	A	DATA	X'FF013FC0'
6634	02	0151D	3E80FE41	A	DATA	X'3E80FE41'
6635	02	0151E	FA013AC0	A	DATA	X'FA013AC0'
6636	02	0151F	3B80FB41	A	DATA	X'3B80FB41'
6637	02	01520	3900F9C1	A	DATA	X'3900F9C1'
6638	02	01521	F8813840	A	DATA	X'F8813840'
6639	02	01522	2800E8C1	A	DATA	X'2800E8C1'
6640	02	01523	F9812940	A	DATA	X'F9812940'
6641	02	01524	FB012BC0	A	DATA	X'FB012BC0'
6642	02	01525	2A80EA41	A	DATA	X'2A80EA41'
6643	02	01526	FE012EC0	A	DATA	X'FE012EC0'
6644	02	01527	2F80EF41	A	DATA	X'2F80EF41'
6645	02	01528	2D00EDC1	A	DATA	X'2D00EDC1'
6646	02	01529	FC812C40	A	DATA	X'FC812C40'
6647	02	0152A	F40124C0	A	DATA	X'F40124C0'
6648	02	0152B	2580E541	A	DATA	X'2580E541'
6649	02	0152C	2700E7C1	A	DATA	X'2700E7C1'
6650	02	0152D	F6812640	A	DATA	X'F6812640'
6651	02	0152E	2200E2C1	A	DATA	X'2200E2C1'
6652	02	0152F	F3812340	A	DATA	X'F3812340'
6653	02	01530	F10121C0	A	DATA	X'F10121C0'
6654	02	01531	2080E041	A	DATA	X'2080E041'
6655	02	01532	A00160C0	A	DATA	X'A00160C0'
6656	02	01533	6180A141	A	DATA	X'6180A141'
6657	02	01534	6300A3C1	A	DATA	X'6300A3C1'
6658	02	01535	A2816240	A	DATA	X'A2816240'
6659	02	01536	6600A6C1	A	DATA	X'6600A6C1'
6660	02	01537	A7816740	A	DATA	X'A7816740'
6661	02	01538	A50165C0	A	DATA	X'A50165C0'
6662	02	01539	6480A441	A	DATA	X'6480A441'
6663	02	0153A	6C00ACC1	A	DATA	X'6C00ACC1'

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6664	02	0153B	A0816D40	A	DATA	X'AD816D40'
6665	02	0153C	AF016FC0	A	DATA	X'AF016FC0'
6666	02	0153D	6E80AE41	A	DATA	X'6E80AE41'
6667	02	0153E	AA016AC0	A	DATA	X'AA016AC0'
6668	02	0153F	6B80AB41	A	DATA	X'6B80AB41'
6669	02	01540	6900A9C1	A	DATA	X'6900A9C1'
6670	02	01541	A8816840	A	DATA	X'A8816840'
6671	02	01542	7800B8C1	A	DATA	X'7800B8C1'
6672	02	01543	B9817940	A	DATA	X'B9817940'
6673	02	01544	BB017BC0	A	DATA	X'BB017BC0'
6674	02	01545	7A80BA41	A	DATA	X'7A80BA41'
6675	02	01546	BE017EC0	A	DATA	X'BE017EC0'
6676	02	01547	7F80BF41	A	DATA	X'7F80BF41'
6677	02	01548	7D00BDC1	A	DATA	X'7D00BDC1'
6678	02	01549	BC817C40	A	DATA	X'BC817C40'
6679	02	0154A	B40174C0	A	DATA	X'B40174C0'
6680	02	0154B	7580B541	A	DATA	X'7580B541'
6681	02	0154C	7700B7C1	A	DATA	X'7700B7C1'
6682	02	0154D	B6817640	A	DATA	X'B6817640'
6683	02	0154E	7200B2C1	A	DATA	X'7200B2C1'
6684	02	0154F	B3817340	A	DATA	X'B3817340'
6685	02	01550	B10171C0	A	DATA	X'B10171C0'
6686	02	01551	7080B041	A	DATA	X'7080B041'
6687	02	01552	500090C1	A	DATA	X'500090C1'
6688	02	01553	91815140	A	DATA	X'91815140'
6689	02	01554	930153C0	A	DATA	X'930153C0'
6690	02	01555	52809241	A	DATA	X'52809241'
6691	02	01556	960156C0	A	DATA	X'960156C0'
6692	02	01557	57809741	A	DATA	X'57809741'
6693	02	01558	550095C1	A	DATA	X'550095C1'
6694	02	01559	94815440	A	DATA	X'94815440'
6695	02	0155A	9C015CC0	A	DATA	X'9C015CC0'
6696	02	0155B	5D809D41	A	DATA	X'5D809D41'
6697	02	0155C	5F009FC1	A	DATA	X'5F009FC1'
6698	02	0155D	9E815E40	A	DATA	X'9E815E40'
6699	02	0155E	5A009AC1	A	DATA	X'5A009AC1'
6700	02	0155F	9B815B40	A	DATA	X'9B815B40'

6701 02 01560 990159C0 A
 6702 02 01561 58809841 A
 6703 02 01562 880148C0 A
 6704 02 01563 49808941 A
 6705 02 01564 4B008BC1 A
 6706 02 01565 8A814A40 A
 6707 02 01566 4E008EC1 A
 6708 02 01567 8F814F40 A
 6709 02 01568 8D014DC0 A
 6710 02 01569 4C808C41 A
 6711 02 0156A 440084C1 A
 6712 02 0156B 85814540 A
 6713 02 0156C 870147C0 A
 6714 02 0156D 46808641 A
 6715 02 0156E 820142C0 A
 6716 02 0156F 43808341 A
 6717 02 01570 410081C1 A
 6718 02 01571 80814040 A

DATA X'990159C0'
 DATA X'58809841'
 DATA X'880148C0'
 DATA X'49808941'
 DATA X'4B008BC1'
 DATA X'8A814A40'
 DATA X'4E008EC1'
 DATA X'8F814F40'
 DATA X'8D014DC0'
 DATA X'4C808C41'
 DATA X'440084C1'
 DATA X'85814540'
 DATA X'870147C0'
 DATA X'46808641'
 DATA X'820142C0'
 DATA X'43808341'
 DATA X'410081C1'
 DATA X'80814040'

6719
 6720 02 01572
 6721 0000008E
 6722 00000001
 6723 02 01572
 6724
 6725 *S*
 6726
 6727
 6728 03 00000
 6729 03 00000 00000000 N
 6730 03 00001 00000000 N
 6731 03 00002 00000000 A
 6732
 6733
 6734 03 00003 00000000 N
 6735 03 00004 00000000 N
 6736 03 00005 00000000 N
 6737 03 00006 00000000 N

 RBBP EQU *
 PTSZ SET ((ABSVAL(RBBP)+X'1FF')&(X'1FE00'))=ABSVAL(RBBP)
 DB PTSZ=64
 RES PTSZ=14
 ELSE
 RES 512
 FIN

*****!
 CSECT 0 BEGINNING OF STATIC DATA
 SDAA DATA BW:SDA=\$ DISPLACEMENT TO BW:SDA FOR RECOVERY
 SDAS DATA INFIL+OUTFIL SIZE OF BW:SDA FOR RECOVERY
 SVCBF DATA 0 CURRENT COMBUF (USED BY RECOVERY)
 ALZ COM=32 AF(1)=SDAA
 * RELATIVE ADDRESSES FOR ANLZ TO DUMP RBBAT TABLES
 DATA INFIL
 DATA OUTFIL
 ALZ BB:COPY
 ALZ BB:DEV

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6738	03	00007	00000000	N
6739	03	00008	00000000	N
6740	03	00009	00000000	N
6741	03	0000A	00000024	A
6742	03	0000B	00000000	N
6743	03	0000C	00000000	N
6744	03	0000D	00000000	N
6745	03	0000E	00000000	N
6746	03	0000F	00000000	N
6747	03	00010	00000037	A
6748	03	00011	00000000	N
6749	03	00012	00000000	N
6750	03	00013	00000000	N
6751	03	00014	00000000	N
6752	03	00015	00000000	N
6753	03	00016	00000000	N
6754	03	00017	00000000	N
6755	03	00018	00000000	N
6756	03	00019	00000000	N
6757	03	0001A	00000000	N
6758	03	0001B	00000000	N
6759	03	0001C	00000000	N
6760	03	0001D	00000000	N
6761	03	0001E	00000000	N
6762	03	0001F	00000000	N
6763	03	00020	00000000	N
6764	03	00021	00000000	N
6765	03	00022	00000000	N
6766	03	00023	8A814A40	A
6767				
6768		03 00024		
6769	03	00024		
6770	03	00024	0000	A
	03	00024	2 0000	A
	03	00025	0000	A
	03	00025	2 0000	A
	03	00026	0000	A

ALZ	BB:PI
ALZ	BB:RID
ALZ	BD:ACCT
ALZ	BH:HPRI
ALZ	BH:LINK
ALZ	BH:PART
ALZ	BH:SID
ALZ	BH:SLNK
ALZ	BH:TIME
ALZ	BH:TPRI
ALZ	BH:XLNK
ALZ	BW:FORM
ALZ	BW:SDA
ALZ	BW:WRES
ALZ	BB:JDE
ALZ	BW:FOVL
ALZ	BH:GRAN
ALZ	RB:MFAD
ALZ	RB:SPMF
ALZ	RBH:MXF
ALZ	RBB:DSM
ALZ	RBB:MXP
ALZ	RBB:SMD
ALZ	STW:FORM
ALZ	STB:DPD
ALZ	STB:JDE
ALZ	STH:NM
ALZ	STW:FBV

RCVLBC DATA X18A814A40! FOR RCVR TO TEST GOOD DATA

BH:HPRI EQU \$ PRIORITY CHAIN HEADS

DB1 X'24'

DATA,2 0

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	03	00026	2	0000	A
	03	00027		0000	A
	03	00027	2	0000	A
	03	00028		0000	A
	03	00028	2	0000	A
	03	00029		0000	A
	03	00029	2	0000	A
	03	0002A		0000	A
	03	0002A	2	0000	A
	03	0002B		0000	A
	03	0002B	2	0000	A
	03	0002C		0000	A
	03	0002C	2	0000	A
	03	0002D		0000	A
	03	0002D	2	0000	A
	03	0002E		0000	A
	03	0002E	2	0000	A
	03	0002F		0000	A
	03	0002F	2	0000	A
	03	00030		0000	A
	03	00030	2	0000	A
	03	00031		0000	A
	03	00031	2	0000	A
	03	00032		0000	A
	03	00032	2	0000	A
	03	00033		0000	A
	03	00033	2	0000	A
	03	00034		0000	A
	03	00034	2	0000	A
	03	00035		0000	A
	03	00035	2	0000	A
6771	03	00036		0001	A
6772	03	00036	2	0001	N
6773					
6774		03 00037			
6775	03	00037			
6776	03	00037		0000	A

	DATA,2	1	INPUT FREE HEAD
	DATA,2	INFIL+1	OUTPUT FREE HEAD

BH:TPRI	EQU	*	PRIORITY CHAIN TAILS
	DB1	X'24'	
	DATA,2	0	

H01

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03	00037	2	0000	A
03	00038		0000	A
03	00038	2	0000	A
03	00039		0000	A
03	00039	2	0000	A
03	0003A		0000	A
03	0003A	2	0000	A
03	0003B		0000	A
03	0003B	2	0000	A
03	0003C		0000	A
03	0003C	2	0000	A
03	0003D		0000	A
03	0003D	2	0000	A
03	0003E		0000	A
03	0003E	2	0000	A
03	0003F		0000	A
03	0003F	2	0000	A
03	00040		0000	A
03	00040	2	0000	A
03	00041		0000	A
03	00041	2	0000	A
03	00042		0000	A
03	00042	2	0000	A
03	00043		0000	A
03	00043	2	0000	A
03	00044		0000	A
03	00044	2	0000	A
03	00045		0000	A
03	00045	2	0000	A
03	00046		0000	A
03	00046	2	0000	A
03	00047		0000	A
03	00047	2	0000	A
03	00048		0000	A
03	00048	2	0000	A
6777	03	00049	0000	N
6778	03	00049	0000	N

DATA,2
DATA,2

INFIL
INFIL+OUTFIL

INPUT FREE TAIL
OUTPUT FREE TAIL

```

6779
6780 03 0004A 00000000 A ABORT DATA 0 ABORT JOB FLAG
6781 03 0004B 00000000 A ADDX DATA 0 ENTRY INDEX FOR AIF,AIFJE
6782 03 0004C 00000000 A ALLX DATA 0 ALL WAS SPECIFIED ON A COMMAND
6783 03 0004D 00000000 A ARS DATA 0 BYTE COUNT OF CC (PROBABLY ALWAYS 8)
6784 03 0004E 00000000 A ARSE DATA 0 REC LENGTH TO EOC
6785 03 0004F 00000000 A ARSB DATA 0 REC LENGTH * USEFUL INFO
6786 03 00050 00000000 A BCP DATA 0 BEGINING ADDR OF CC
6787 03 00051 00000000 A CBM DATA 0 COMMAND BEING PROCESSED
6788 03 00052 00000000 A CONT DATA 0 CONTINUATION FLAG
6789 03 00053 00000000 A CCMVD DATA 0 CC IN MESSAGE FILE FLAG
6790 03 00054 00000000 A CURSID DATA 0
6791 03 00055 00000000 A CVT DATA 0 CONVERSION BASE
6792 03 00056 00000000 A FFLG DATA 0 FILE FOUND FLAG FOR FINDSID
6793 03 00057 00000000 A FINFLG DATA 0 LAST JOB OF BLOCK FLAG
6794 03 00058 00000000 A FRMCK DATA 0 COUNTER FOR FORMS MESSAGE
6795 03 00059 00000000 A FRNMN DATA 0 NAME OF HIGEST PRIO FORMS
6796 03 0005A 00000000 A FLAGS DATA 0 SAVED RBIFLAG
6797 03 0005B 00000000 A FLINK DATA 0 DISC SECTOR FLINK
6798 03 0005C 00000000 A FLKXX DATA 0
6799 03 0005D 00000000 A FRSTPG DATA 0 BASE OF DYNAMIC DATA
6800 03 0005E 00000000 A KOMP DATA 0
6801 03 0005F 00000000 A PRBCPX RES 1
6802 03 00060 00000000 A XS RES 1
6803 03 00061 00000000 A IJTYPE RES 1
6804 03 00062 00000000 A BSLICRES RES 8
6805 03 0006A 00000000 A B8ICRES RES 4
6806 03 0006E 00000000 A BI:ASPN RES 3
6807 03 00071 00000000 A BADRS RES 1
6808 03 00072 00000000 A RESX DATA 0
6809 03 00073 00010000 N RSID GEN,16,16 SMUTS+1,0
6810 03 00074 00000000 A TYP SW DATA 0
6811 03 00075 00000000 A SWTYP DATA 0
6812 03 00076 00000000 A SWITFLG DATA 0
6813 03 00077 00000000 A SWRID DATA 0
6814 03 00078 00000000 A KSW# DATA 0
6815 03 00079 00000000 A KSWFLG DATA 0

```

6816
6817 03 0007A
6818 03 0007A
6819 03 0007A 00000000 A
03 0007B 00000000 A
03 0007C 00000000 A
03 0007D 00000000 A
03 0007E 00000000 A
03 0007F 00000000 A
03 00080 00000000 A
03 00081 00000000 A
03 00082 00000000 A
03 00083 00000000 A
03 00084 00000000 A
03 00085 00000000 A
03 00086 00000000 A
03 00087 00000000 A
03 00088 00000000 A
03 00089 00000000 A
03 0008A 00000000 A
03 0008B 00000000 A
6820 00000048
6821 03 0008C 0000008E
6822 03 0008D 0037 A
03 0008D 2 0000 A
6823 03 0008E
6824 03 000C6 00000000 N
6825 03 000C7 00000000 A
6826 03 000C8 00000000 A
6827 03 000C9 00000000 A
6828 03 000CA 00000000 A
6829 03 000CB 00000000 A
6830 03 000CC 00000000 A
6831 03 000CD 00000000 A
6832 03 000CE 00000020 A
6833 03 000CF 00000000 A
6834 03 000D0 00000000 A

INVRN BOUND 8
EQU \$
D01 18
DATA 0

INVRNSz EQU 72
TMPSTK DATA \$+2
DATA,2 55,0

RES 56
MFFS DATA MFS
MRKD DATA 0
MSFLG DATA 0
NXTFCN DATA 0
NYID DATA 0
BCCC DATA 0
BPTLST DATA 0
BPTBL DATA 0
PGCNT DATA 32
PGMAP DATA 0
PREV DATA 0

! ENVIRONMENT READ IN BY REVR

! TEMP STACK

! COUNTER OF SPECIAL MESSAGE FILE SLO
CC HAS BEEN FLAGGED AS IN ERROR
HEADING FLAG FOR DISPLAY
SAVED SYMBIONT FUNCTION CODE FROM D
NOT YOUR ID FLAG FOR FINDSID
INPUT FROM BC FLAG
OPTION LIST POINTER FOR PROCOP
ROUTINE LIST POINTER FOR PROCOP
PAGE COUNTER FOR DYN. BUFFERING
PAGE MAP FOR DYN. BUFFERING
ENTX USED BY CHNGRSET

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6835 03 000D1 00000000 A
 6836 03 000D2 00000000 A
 6837 03 000D3 00000000 A
 6838 03 000D4 00000000 A
 6839 03 000D5 00000000 A
 6840 03 000D6 00000000 A
 6841 03 000D7 00000000 A
 6842 03 000D8 00000000 A
 6843 03 000D9 00000000 A
 6844 03 000DA 0000008C
 6845 03 000DB 00000000 A
 6846 03 000DC 00000001 A
 6847 03 000DD
 6848 03 000DD
 6849 03 000DD 00000000 A
 03 000DE 00000000 A
 03 000DF 00000000 A
 03 000E0 00000000 A
 03 000E1 00000000 A
 03 000E2 00000000 A
 03 000E3 00000000 A
 03 000E4 00000000 A
 03 000E5 00000000 A
 03 000E6 00000000 A
 03 000E7 00000000 A
 6850 03 000E8 00000000 A
 03 000E9 00000000 A
 03 000EA 00000000 A
 03 000EB 00000000 A
 03 000EC 00000000 A
 6851 03 000ED 00000000 A
 6852 03 000EE 00000000 A
 6853 03 00000
 6854 03 000EF 00000000 A
 00010000
 6855 03 000F0 00000000 A
 6856 03 000F1 00010000 A

PRIB DATA 0
 RCVRSV DATA 0
 RCVRFLG DATA 0
 RCVRPTR DATA 0
 RCVRBUF DATA 0
 RCVUN DATA 0
 RES# DATA 0
 SECT DATA 0
 STATX DATA 0
 STAK DATA TMPSTK
 SV10 DATA 0
 SVZ DATA 1
 SVREGS EQU \$
 DB1 11
 DATA 0
 SVREG11 DATA 0,0,0,0,0
 SYMINDx DATA 0
 CCTMP DATA 0
 ZERO EQU BA(SDAA)
 WMFA DATA 0
 VP EQU X'10000'
 SAD DATA 0
 DATA VP

PRIB OF JOB BEING ADDED
 RBBATR SAVED FLAGS AND COMBUF ADDR
 RBBATR RECOVERY IN PROGRESS FLAG
 RBBATR PLACE TO RETURN
 POINTER TO RBBATR DYN. BUFFER
 CUN OF LST CRASH
 ADDR OF CURENT DISC BUFFER
 FLAG FOR STATUS HEADINGS
 POINTER TO TEMPSTK (SHOULD BE REMOVED)
 GENERAL TEMP SAVE CELL
 FLAG FOR ENVIRONMENT SAVED
 ENVIRONMENT SAVE AREA

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6858 03 000F2 00000000 A
6859 03 000F3 00000000 A
6860 03 000F4 13406040 A
03 000F5 F7E7E7E7 A
03 000F6 F7E7E7E7 A
03 000F7 40405CD4 A
03 000F8 F2C75C40 A
6861 03 000F9
6862 00000013
6863 03 00117 0F406040 A
03 00118 F7E7E7E7 A
03 00119 F7E7E7E7 A
03 0011A 405C5C40 A
6864 03 0011B 045C4040 A
03 0011C 40404040 A
6865 03 0011D
6866 00000010
6867 03 00130 17406040 A
03 00131 F7E7E7E7 A
03 00132 F7E7E7E7 A
03 00133 406040D3 A
03 00134 D6C7C7C5 A
03 00135 C440D6D5 A
6868 03 00136 1FC3C1D5 A
03 00137 D5D6E340 A
03 00138 C1C3C3C5 A
03 00139 F2E2407A A
03 0013A D9C2D3D6 A
03 0013B C740C3D6 A
03 0013C C4C57E40 A
03 0013D F7E7E7E7 A
6869 03 0013E 1F5CC2C1 A
03 0013F F3C3C840 A
03 00140 D8E4C5E4 A
03 00141 C540D3D6 A
03 00142 F2E35A40 A
03 00143 6040C3D6 A

STARTCOM DATA 0
CHAINHD DATA 0
RBMS TEXTC ! * XXXXXXXX *MSG* !

RBMS1 RFS 30
RBMSZ EQU 19
RB@PBUF TEXTC ! * XXXXXXXX ** !

@PBUF TEXTC ! * ! ;

RB@PSZ RES 19
@NMES EQU 16
TEXTC ! * XXXXXXXX * LOGGED ON!

ABNM TEXTC !CANNOT ACCESS ;RBL@G CODE# XXXX!

ZAPM TEXTC !*BATCH QUEUE LOST * CODE# XXXX!

```

03 00144 C4C57E40 A
03 00145 F7E7E7E7 A
6870      03 00145
6871 03 00146 0B80C800 A
03 00147 0100FFFF A
03 00148 FFFFFFF00 A
6872 03 00149 0780C400 A
03 0014A 0200FF00 A
6873      03 0014B
6874 03 0014B 335CE2E8 A
03 0014C E2C9C47E A
03 0014D F7E7E7E7 A
03 0014E 40C4C5E5 A
03 0014F C9C3C57E A
03 00150 F7E740D5 A
03 00151 C1D4C57E A
03 00152 F0F0F0F0 A
03 00153 40C9D5D7 A
03 00154 F4E340C6 A
03 00155 C9D3C540 A
03 00156 C1C3C3C5 A
03 00157 D7E3C5C4 A
6875      03 00152
6876      03 0014D
6877      03 00150
6878 03 00158 32323232 A
6879 03 00159 100290BF A
6880 03 0015A FFF0C161 A
6881 03 0015B 5CE2C9C7 A
03 0015C D5D6D540 A
03 0015D 40404040 A
03 0015E 4040D9C5 A
03 0015F D4D6E3C5 A
03 00160 D5D540E7 A
03 00161 F7E7E7E7 A
03 00162 F7E7E740 A
6882 03 00163 40404040 A

```

ZAPM1 EQU
REGFXP DATA

ZAPM*7
X'0B80C800',X'0100FFFF',X'FFFFFF00'

GFXP DATA

X'0780C400',X'0200FF00'

INAM TEXTC

! *SYSID=XXXX DEVICE=XX NAME=0000 INPUT!,!
! FILE ACCEPTED!

INAM3 EQU
INAM1 EQU
INAM2 EQU
SLSG DATA

INAM*7
INAM*2
INAM*5
X'32323232!
X'100290BF!
X'FFF0C161!
!*SIGNBN

REMO TENN XXXXXXXX !

TEXT

! !

	03	00164	40404040	A			
	03	00165	40404040	A			
	03	00166	40404040	A			
	03	00167	40404040	A			
6883	03	00168	40404040	A	TEXT		
	03	00169	40404040	A			
	03	0016A	40404040	A			
	03	0016B	40404040	A			
	03	0016C	40404040	A			
	03	0016D	40404040	A			
6884	03	0016E	40404000	A	DATA	X'40404000'	
6885	03	0016F	10260000	A	DATA	X'10260000'	
6886	03	00170	FFFFFFFF	A	DATA	=1	
6887		0000001A			SLSGRMT	EQU	26
6888		00000050			SLSGSZ	EQU	80
6889		0000000B			SLSGBSZ	EQU	11
6890		00000006			SLSGESZ	EQU	6
6891		000000A1			SLSGWSZ	EQU	SLSGBSZ+SLSGSZ+SLSGESZ
6892		00000058			SLSGCSZ	EQU	SLSGWSZ*9
6893		03 00158			SLSGB	EQU	BA(SLSG)
6894		03 0015A			SLSGM	EQU	SLSGB+SLSGBSZ
6895		03 0016E			SLSGE	EQU	SLSGM+SLSGSZ
6896		00040680			SLSGGB	EQU	(VP+BUF4*1)**2
6897	03	00171	4040D9C5	A	RMTNUM	TEXT	! REMOTEN!
	03	00172	D4D6E3C5	A			
	03	00173	D5D54040	A			
6898	03	00174	185CE2E8	A	NONEX	TEXTC	!*SYSID,XXXX DOESNT EXIST!
	03	00175	F2C9C47E	A			
	03	00176	F7E7E7E7	A			
	03	00177	40C4D6C5	A			
	03	00178	F2D5E340	A			
	03	00179	C5E7C9E2	A			
6899	03	0017A	F3404040	A	RRM	TEXTC	!*SYSID,XXXX WILL BE RERUN!
	03	0017B	195CE2E8	A			
	03	0017C	F2C9C47E	A			
	03	0017D	F7E7E7E7	A			
	03	0017E	40E6C9D3	A			

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03 0017F D340C2C5 A
 03 00180 40D9C5D9 A
 03 00181 F4D54040 A
 6900 03 00182 285CE2E8 A
 03 00183 F2C9C47E A
 03 00184 F7E7E7E7 A
 03 00185 40C1C3C3 A
 03 00186 F3407E40 A
 03 00187 C1C1C1C1 A
 03 00188 C1C1C1C1 A
 03 00189 40C3C1D5 A
 03 0018A D5D6E340 A
 03 0018B C2C540D9 A
 03 0018C C5D9E4D5 A

NRRM TEXTC I*SYSID=XXXX ACCT = AAAAAAAA CANNOT BE RERUN!

6901 03 00187

NRRM1 EQU NRRM+5

6902

BOUND 8

6903 03 0018E

DDVMXS EQU \$

6904 03 0018E C1C3E3C9 A

TEXT 'ACTIVE'

03 0018F F5C54040 A

6905 03 00190 F2E4E2D7 A

TEXT 'SUSPENDED'

03 00191 7DC5C440 A

6906 03 00192 D3D6C3D2 A

TEXT 'LOCKED'

03 00193 C5C44040 A

6907 03 00194 C9D5C1C3 A

TEXT 'INACTIVE'

03 00195 F3C9E5C5 A

6908 03 00196 1F5CC4C5 A

DDVM TEXTC I*DEV = XX YYYYYYYY FORMS= FFFF!

03 00197 F5407E40 A

03 00198 F7E74040 A

03 00199 F8E8E8E8 A

03 0019A F8E8E8E8 A

03 0019B 40C6D6D9 A

03 0019C D4E27E40 A

03 0019D C6C6C6C6 A

6909 03 00198

DDVM1 EQU DDVM+2

6910 03 00199

DDVM2 EQU DDVM+3

6911 03 0019D

DDVM3 EQU DDVM+7

6912 00000013

DDVMSZ EQU 19

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0000001F

6913
6914
6915
6916
6917
6918

03 0019E 175CE3C9 A
03 0019F D4C5407E A
03 001A0 40C8C87A A
03 001A1 D4D44040 A
03 001A2 D4D461C4 A
03 001A3 C461E8E8 A

DDVMSZF EQU DDVMSZ*12

*RBINF8 MESSAGES

*

ITMM TEXTC !*TIME * HH:MM MM/DD/YY!

6919
6920

03 001A1 175CE4E2 A
03 001A4 C5D9E240 A
03 001A5 C9D540E2 A
03 001A6 F8E2E3C5 A
03 001A7 D4407E40 A
03 001A8 F7E7E7E7 A

ITMM1 EQU ITMM*3
ICUM TEXTC !*USERS IN SYSTEM * XXXX!

6921
6922

03 001A9 0B5CC5E3 A
03 001AA D4C6407E A
03 001AB D5D5D5D5 A

ICUM1 EQU ICUM*5
IETM TEXTC !*ETMF *NNNN!

6923
6924

03 001AC 1B5CC2C1 A
03 001AD F3C3C840 A
03 001AE D1D6C2E2 A
03 001B0 7A40D9E4 A
03 001B1 D5D5C9D5 A
03 001B2 C7407E40 A
03 001B3 F7E7E7E7 A

IETM1 EQU IETM*2
IBRM TEXTC !*BATCH JOBS: RUNNING * XXXX!

6925
6926

03 001B3 1B5C4040 A
03 001B4 40404040 A
03 001B5 40404040 A
03 001B6 4040E6C1 A
03 001B8 C9E3C9D5 A
03 001B9 C7407E40 A

IBRM1 EQU IBRM*6
IBWM TEXTC !* WAITING * XXXX!

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	03	001BA	F7E7E7E7 A	IBWM1	EQU	IBWM#6
6927		03	001BA		BOUND	8
6928				FRMM	TEXTC	!XXXXXXXX SETUP REQUIRED!
6929	03	001BC	16E7E7E7 A			
	03	001BD	F7E7E7E7 A			
	03	001BE	40E2C5E3 A			
	03	001BF	F4D740D9 A			
	03	001C0	C5D8E4C9 A			
	03	001C1	D9C5C440 A			
6930	03	001C2	155CE2C5 A	RFRMM	TEXTC	! *SETUP NEEDED DEV# XX!
	03	001C3	F3E4D740 A			
	03	001C4	D5C5C5C4 A			
	03	001C5	C5C440C4 A			
	03	001C6	C5E57E40 A			
	03	001C7	F7E74040 A			
6931		03	001C7	RFRMM1	EQU	RFRMM#5
6932	03	001C8	1A406040 A	RRECM	TEXTC	! *XXXXXXXX - RECOVERING !
	03	001C9	F7E7E7E7 A			
	03	001CA	F7E7E7E7 A			
	03	001CB	406040D9 A			
	03	001CC	C5C3D6E5 A			
	03	001CD	C5D9C9D5 A			
	03	001CE	C75A5A40 A			
6933	03	001CF	D9C5D4D6 A	RMTBAN	TEXT	!REMOTE OUTPUT WSN *XXXXXXXX DEVICE=XX!
	03	001D0	F3C540D6 A			
	03	001D1	F4E3D7E4 A			
	03	001D2	F340E6E2 A			
	03	001D3	D5407E40 A			
	03	001D4	F7E7E7E7 A			
	03	001D5	F7E7E7E7 A			
	03	001D6	40C4C5E5 A			
	03	001D7	C9C3C57E A			
	03	001D8	F7E74040 A			
6934		03	001D8	RMTBAN1	EQU	RMTBAN#9
6935		03	001D4	RMTBAN2	EQU	RMTBAN#5
6936		03	001D	ABNM1	EQU	ABNM#7
6937					BOUND	8

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6938
6939
6940
6941

03	001DA	7B40405C	A
03	001DB	5C5C5C5C	A
03	001DC	F7E7E7E7	A
03	001DD	F7E7E7E7	A
03	001DE	40D9C2C9	A
03	001DF	C4407E40	A
03	001E0	F7E7E7E7	A
03	001E1	40606040	A
03	001E2	F7E7E7E7	A
03	001E3	F7E7E7E7	A
03	001E4	405C5C40	A
03	001E5	5CC3D760	A
03	001E6	F540D9C5	A
03	001E7	D4D6E3C5	A
03	001E8	40D7D9D6	A
03	001E9	C3C5E2E2	A
03	001EA	C9D5C75C	A
03	001EB	40404040	A
03	001EC	40404040	A
03	001ED	40404040	A
03	001EE	40404040	A
03	001EF	40404040	A
03	001F0	40404040	A
03	001F1	40404040	A
03	001F2	40404040	A
03	001F3	40404040	A
03	001F4	40404040	A
03	001F5	40404040	A
03	001F6	40404040	A
03	001F7	40404040	A
03	001F8	40404040	A

6942
6943
6944

03 001F9 5B5C5C5C A

HDR TEXTC , *****XXXXXXXX RBID = XXXX - , ,
,XXXXXXXX ** *CP,V REMOTE PROCESSING* , ,

0PMES TEXTC ,***MSG*** , ,


```

03 001FA 04E2C75C A
03 001FB 5C5C4040 A
03 001FC 40404040 A
03 001FD 40404040 A
03 001FE 40404040 A
03 001FF 40404040 A
03 00200 40404040 A
03 00201 40404040 A
03 00202 40404040 A
03 00203 40404040 A
03 00204 40404040 A
03 00205 40404040 A
03 00206 40404040 A
03 00207 40404040 A
03 00208 40404040 A
03 00209 40404040 A
03 0020A 40404040 A
03 0020B 40404040 A
03 0020C 40404040 A
03 0020D 40404040 A
03 0020E 40404040 A
03 0020F 40404040 A

```

```

6945      03 001FC
6946      0000000B
6947      03 001DC
6948      03 001F0
6949      03 001F2
6950      03 001F5
6951 03 00210 5F5CE2E8 A
6952 03 00211  F2C9C47E A
      03 00212  F7E7E7E7 A
      03 00213  405C5C40 A
6953 03 00214
6954      03 00212
6955      03 00214
6956      0000000F
6957

```

```

0PM1 EQU 0PMES+3
0PMSZ EQU 11
HDR1 EQU HDR+2
HDR2 EQU HDR+6
HDR3 EQU HDR+8
HDRM EQU HDR+11
RBJ0BM DATA X'5F5CE2E8'
TEXT 'SID=XXXX ** '

RBJ0BM1 RES 20
RBJ0BM2 EQU RBJ0BM+2
RBJ0BM3 EQU RBJ0BM+4
RBJ0BMSZ EQU X'F'
BOUND 8

```

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6958 03 00228 335C5C5C A
 03 00229 5C5C4040 A
 03 0022A F7E7E7E7 A
 03 0022B F7E7E7E7 A
 03 0022C 40D3D6C7 A
 03 0022D C7C5C440 A
 03 0022E D6D5E3D6 A
 03 0022F 40C4E2C3 A
 03 00230 F7E7E7E7 A
 03 00231 F7E7E7E7 A
 03 00232 40C1E240 A
 03 00233 D9C2C9C4 A
 03 00234 F7E7E7E7 A

Y0UR0N TEXTC

!***** XXXXXXXX LOGGED ENT0 DSCXXXXXXXX AS R0IDXXXX!

6959 03 00230
 6960 03 00234
 6961 03 0022A
 6962 03 00235 18406040 A
 03 00236 F7E7E7E7 A
 03 00237 F7E7E7E7 A
 03 00238 406040D3 A
 03 00239 D6C7C7C5 A
 03 0023A C440D6C6 A
 03 0023B C6404040 A

Y0UR0N1 EQU
 Y0UR0N2 EQU
 Y0UR0N3 EQU
 DISCM TEXTC

Y0UR0N+8
 Y0UR0N+12
 Y0UR0N+2
 ! * XXXXXXXX - LOGGED OFF!

6963 03 00236
 6964 03 0023C
 6965 03 0023C 225C407B A
 03 0023D F7E740D9 A
 03 0023E C5D8E4C5 A
 03 0023F F2E3C5C4 A
 03 00240 40C5E7C3 A
 03 00241 C5C5C4E2 A
 03 00242 40E2E8E2 A
 03 00243 F3C5D440 A

DISCM1 EQU
 TXRLE EQU
 TEXTC

DISCM+1
 *
 ! * #XX REQUESTED EXCEEDS SYSTEM MAX!

6966 03 00244 D4C1E740 A
 03 00245 1E5C4040 A
 03 00246 F7E7E7E7 A
 03 00247 40D9C5D7 A

TXNRSN TEXTC

! * XXXX REPEATED SERIAL NUMBER!

03	00248	C5C1E3C5	A
03	00249	F440E2C5	A
03	0024A	D9C9C1D3	A
03	0024B	40D5E4D4	A
03	0024C	F2C5D940	A

6967			
6968	03	0024E	40404040 A
	03	0024F	40404040 A
	03	00250	40404040 A
	03	00251	40404040 A

	FLD	BOUND	8
		TEXT	1

6969			
6970			
6971		00000148	
6972	03	00252	
6973		00000000	
6974		00000001	
6975		00000002	
6976		00000004	
6977		00000005	
6978		00000006	
6979		00000008	
6980		00000009	
6981		0000000A	
6982		0000000B	
6983		0000000C	
6984		00000014	
6985		00000018	
6986		00000020	
6987		00000028	
6988		00000030	
6989		00000034	
6990		00000038	
6991		0000003C	
6992		00000040	
6993		00000042	
6994		00000043	
6995			

```
*****
RECSZ      BOUND      8
REC        EQU        360
RID        EQU        0
FLG        EQU        1
KEY        EQU        2
MXPRI      EQU        4
BUFX      EQU        5
SGEN      EQU        6
RMT#      EQU        8
BCIN      EQU        9
#STRM     EQU        10
SMD       EQU        11
NMTBL     EQU        12
RCBTBL    EQU        20
F1TBL     EQU        24
F2TBL     EQU        32
SUSTBL    EQU        40
MXTBL     EQU        48
MNTBL     EQU        52
PRIVTBL   EQU        56
DPDTBL    EQU        60
GJAB      EQU        64
RTY       EQU        66
LGN       EQU        67
*****
```

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6996 03 002AC

6997 03 002AC

6998

6999

7000

7001

7002 00000005

7003 00000002

7004

7005

03 002CB 295CE2E8 A
 03 002CC F2C9C47E A
 03 002CD F7E7E7E7 A
 03 002CE 40D9E4D5 A
 03 002CF D5C9D5C7 A
 03 002D0 406040D6 A
 03 002D1 F4E3D7E4 A
 03 002D2 E340E6C9 A
 03 002D3 D3D340C2 A
 03 002D4 C540C8C5 A
 03 002D5 D3C44040 A
 7006 03 002D6 135CE2E8 A
 03 002D7 F2C9C47E A
 03 002D8 F7E7E7E7 A
 03 002D9 40D9E4D5 A
 03 002DA D5C9D5C7 A
 7007 03 002DB 305CE2E8 A
 03 002DC F2C9C47E A
 03 002DD F7E7E7E7 A
 03 002DE 40C4C5E5 A
 03 002DF 7E40E7E7 A
 03 002E0 407BC7D9 A
 03 002E1 C1D5407E A
 03 002E2 F7E7E7E7 A
 03 002E3 40C3D6D7 A
 03 002E4 C9C5E27E A
 03 002E5 F7E7E7E7 A
 03 002E6 40C8C5D3 A

ID EQU \$
 RES 31

 * STATUS MESSAGES *

 NTR EQU 5
 SYSD EQU 2
 SMRINH TEXTC !*SYSID=XXXX RUNNING - BUTPUT WILL',,
 ! BE HELD!

SMRIN TEXTC !*SYSID=XXXX RUNNING!

SMWPR TEXTC !*SYSID=XXXX DEV# XX #GRAN #XXXX COPIES#XXXX HELD!

03 002E7 C4404040 A
 7008 00000007
 7009 0000000A
 7010 0000000D
 7011 00000009
 7012
 7013 03 002E8 3C5CE2E8 A
 03 002E9 F2C9C47E A
 03 002EA F7E7E7E7 A
 03 002EB 40C4C5E5 A
 03 002EC 7E40E7E7 A
 03 002ED 407BC7D9 A
 03 002EE C1D5407E A
 03 002EF F7E7E7E7 A
 03 002F0 40C3D6D7 A
 03 002F1 C9C5E27E A
 03 002F2 F7E7E7E7 A
 03 002F3 40C6D6D9 A
 03 002F4 D4E27E40 A
 03 002F5 F7E7E7E7 A
 03 002F6 40C8C5D3 A
 03 002F7 C4404040 A

SGRNX EQU 7
 SCPX EQU 10
 FRMX EQU 13
 SDVX EQU 9
 SMHPU TEXTC

'*SYSID=XXXX DEV= XX #GRAN =XXXX COPIES=XXXX',
 'FORMS= XXXX HELD'

7014
 7015 03 002F8 345CE2E8 A
 03 002F9 F2C9C47E A
 03 002FA F7E7E7E7 A
 03 002FB 40E6C1C9 A
 03 002FC F3C9D5C7 A
 03 002FD F7E7E7E7 A
 03 002FE 40E3D640 A
 03 002FF D9E4D540 A
 03 00300 6040D6E4 A
 03 00301 F3D7E4E3 A
 03 00302 40E6C9D3 A
 03 00303 D340C2C5 A
 03 00304 40C8C5D3 A
 03 00305 C4404040 A

SMHIN TEXTC

'*SYSID=XXXX WAITINGXXXX TO RUN . , ,'
 'OUTPUT WILL BE HELD'

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7016 03 00306 335CE2E8 A
 03 00307 F2C9C47E A
 03 00308 F7E7E7E7 A
 03 00309 40C4C5E5 A
 03 0030A 7E40E7E7 A
 03 0030B 407BC7D9 A
 03 0030C C1D5407E A
 03 0030D F7E7E7E7 A
 03 0030E 40C3D6D7 A
 03 0030F C9C5E27E A
 03 00310 F7E7E7E7 A
 03 00311 40E6C1C9 A
 03 00312 F3C9D5C7 A

SMPR TEXTC

! *SYSID=XXXX DEV= XX #GRAN =XXXX COPIES=XXXX WAITING!

7017 03 00313 3F5CE2E8 A
 7018 03 00314 F2C9C47E A
 03 00315 F7E7E7E7 A
 03 00316 40C4C5E5 A
 03 00317 7E40E7E7 A
 03 00318 407BC7D9 A
 03 00319 C1D5407E A
 03 0031A F7E7E7E7 A
 03 0031B 40C3D6D7 A
 03 0031C C9C5E27E A
 03 0031D F7E7E7E7 A
 03 0031E 40C6D6D9 A
 03 0031F D4E27E40 A
 03 00320 F7E7E7E7 A
 03 00321 40E6C1C9 A

SMPU TEXTC

! *SYSID=XXXX DEV= XX #GRAN =XXXX COPIES=XXXX!,
! FORMS= XXXX WAITING!

7019 03 00322 F3C9D5C7 A
 03 00323 1E8CE2E8 A
 03 00324 F2C9C47E A
 03 00325 F7E7E7E7 A
 03 00326 40E6C1C9 A
 03 00327 F3C9D5C7 A
 03 00328 F7E7E7E7 A
 03 00329 40E3D640 A

SMPN TEXTC

! *SYSID=XXXX WAITINGXXXX TO RUN!

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7020 03 0032A D9E4D540 A
 03 0032B D7C1D9E3 A
 03 0032C C9C1D340 A
 03 0032D C6C9D3C5 A
 03 0032E 40E2E8E2 A
 03 0032F C9C4407E A
 03 00330 F7E7E7E7 A
 03 00331 40C8C87A A
 03 00332 D4D44040 A
 03 00333 D4D461C4 A
 03 00334 C461E8E8 A

PBNM TEXT

'PARTIAL FILE SYSID =XXXX HHMM MM/DD/YY'

7021 03 00330
 7022 03 00332
 7023 03 00335 2E5CE2E8 A
 03 00336 F2C9C47E A
 03 00337 F7E7E7E7 A
 03 00338 40C9D540 A
 03 00339 C3D6D5C3 A
 03 0033A F4D9D9C5 A
 03 0033B D5E340D6 A
 03 0033C F4E3D7E4 A
 03 0033D F340D4D6 A
 03 0033E C4C540D6 A
 03 0033F D540E8E8 A
 03 00340 D5C4C440 A

PBNM1 EQU
PBNM2 EQU
COM0DMSG TEXTC

PBNM+5
PBNM+7
'*SYSID=XXXX IN CONCURRENT OUTPUT MODE BN YYND'

7024 03 00337
 7025 03 0033F
 7026 03 00340
 7027 03 00341 C440C940 A
 03 00342 F240D740 A
 03 00343 D340C140 A
 03 00344 F8404040 A
 03 00345 40C8C87A A
 03 00346 D4D44040 A
 03 00347 D4D461C4 A
 03 00348 C461E8E8 A

COM0DM1 EQU
COM0DM2 EQU
COM0DM3 EQU
DISP TEXT

COM0DMSG+2
COM0DMSG+10
COM0DMSG+11
'D I S P L A Y HHMM MM/DD/YY'

7028 03 00345

DISPB1 EQU

DISP+4

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7029 03 00346
7030 03 00347
7031
7032

DISPB2 EQU
DISPB3 EQU
DISMESB TEXTC

DISP+5
DISP+6
!*PRI0 SYSID RBID H DEVICE FORMS #GRANS COPIES ' , ,
! COMID FOVL JDE! #CPV+ == EXTENDED DISPLAY

03 00349 3D5CD7D9 A
03 0034A C9D640E2 A
03 0034B F8E2C9C4 A
03 0034C 40D9C2C9 A
03 0034D C440C840 A
03 0034E C4C5E5C9 A
03 0034F C3C540C6 A
03 00350 D6D9D4E2 A
03 00351 407BC7D9 A
03 00352 C1D5E240 A
03 00353 C3D6D7C9 A
03 00354 C5E24040 A
03 00355 C3D6D4C9 A
03 00356 C440C6D6 A
03 00357 F5D340D1 A
03 00358 C4C54040 A

1* 00000034
7034 03 00359 1B5CD7D9 A

NO0MSZ EQU
DISMESIR TEXTC

X134!
!*PRI0 SYSID BRIG H 0 A TIME!

03 0035A C9D640E2 A
03 0035B F8E2C9C4 A
03 0035C 40D6D9C9 A
03 0035D C740C840 A
03 0035E D640C140 A
03 0035F F3C9D4C5 A

7035 03 00360
7036 03 00376 1B5CD7D9 A

RES
DISMESIN TEXTC

22
!*PRI0 SYSID BRIG H 0 A TIME!

03 00377 C9D640E2 A
03 00378 F8E2C9C4 A
03 00379 40D6D9C9 A
03 0037A C740C840 A
03 0037B D640C140 A
03 0037C F3C9D4C5 A

7037 03 0037D
7038

RES
DBM TEXTC

11
! , ,

7039
 7040 03 00388 2B404040 A
 03 00389 40404040 A
 03 0038A 40404040 A
 03 0038B 40404040 A
 03 0038C 40404040 A
 03 0038D 40404040 A
 03 0038E 40404040 A
 03 0038F 40404040 A
 03 00390 40404040 A
 03 00391 40404040 A
 03 00392 40404040 A
 03 00393 40404040 A
 03 00394 40404040 A
 03 00395 40404040 A
 03 00396 40404040 A

7041
 7042
 7043
 7044 03 00397 78404040 A
 03 00398 40404040 A
 03 00399 40404040 A
 03 0039A 40404040 A
 03 0039B 40404040 A
 03 0039C 40404040 A
 03 0039D 40404040 A
 03 0039E 40404040 A
 03 0039F 40404040 A
 03 003A0 40404040 A
 03 003A1 40404040 A
 03 003A2 40404040 A
 03 003A3 40404040 A
 03 003A4 40404040 A
 03 003A5 40404040 A
 03 003A6 40404040 A
 03 003A7 40404040 A
 03 003A8 40404040 A

DIM TEXTC
 !
 !
 !
 !

! ! CPV+ == DISPLAY
 !

! !
 ! !
 ! !
 !

	03	003A9	40404040	A			
	03	003AA	40404040	A			
	03	003AB	40404040	A			
	03	003AC	40404040	A			
	03	003AD	40404040	A			
	03	003AE	40404040	A			
	03	003AF	40404040	A			
	03	003B0	40404040	A			
	03	003B1	40404040	A			
	03	003B2	40404040	A			
	03	003B3	40404040	A			
	03	003B4	40404040	A			
7045	03	003B5	40404040	A			
	03	003B6	085CE2C8	A	SERDS	TEXTC	!*SHARED!*
	03	003B7	C1D9C5C4	A			
	03	003B8	7A404040	A			
7046	03	003B9		A			
7047	03	003CB	085CC5E7	A	SERDX	RFS	18
	03	003CC	C3D3E4E2	A		TEXTC	!*EXCLUSIVE!*
	03	003CD	C9E5C57A	A			
7048	03	003CE		A			
7049	03	003E0	335CE2E8	A	SYMDM	RFS	18
	03	003E1	F8D5C4C4	A		TEXTC	!*SYND DD FORMS* XXXX COMID* XXXX FOVLY* XXXX JDE* XX*
	03	003E2	40C6D6D9	A			
	03	003E3	D4E27E40	A			
	03	003E4	F7E7E7E7	A			
	03	003E5	40C3D6D4	A			
	03	003E6	C9C47E40	A			
	03	003E7	F7E7E7E7	A			
	03	003E8	40C6D6E5	A			
	03	003E9	D3E87E40	A			
	03	003EA	F7E7E7E7	A			
	03	003EB	40D1C4C5	A			
	03	003EC	7E40E7E7	A			
7050	03	003F4			SYMDM1	EQU	SYMDM+4
7051	03	003F7			SYMDM2	EQU	SYMDM+7
7052	03	003FA			SYMDM3	EQU	SYMDM+10

#CPV+ == EXTENDED DISPLAY

#01 15140 SEP 08, 175
 7053 03 003FC
 7054 0000001F
 7055 00000002
 7056 00000003
 7057 00000004
 7058 00000005
 7059 00000005
 7060 00000006
 7061 00000007
 7062 00000007
 7063 00000008
 7064 00000009
 7065 0000000A
 7066 0000000C
 7067 0000000D
 7068 0000000E
 7069 00000003
 7070 00000015
 7071
 7072 02 00000

SYMDM4 EQU SYMDM+12
 SMDMNZ EQU 31
 SYS DX EQU 2
 RIDX EQU 3
 HLDX EQU 4
 DEVX EQU 5
 BAX EQU 5
 TIMX EQU 6
 RESINX EQU 7
 DFMX EQU 7
 GRNX EQU 8
 GRNX1 EQU 9
 CBPX EQU 10
 COMIDX EQU 12
 FOVLX EQU 13
 JDEX EQU 14
 SERX EQU 3
 E0SER EQU 21

#CPV+ == EXTENDED DISPLAY
 #CPV+ == EXTENDED DISPLAY

#CPV+ == EXTENDED DISPLAY
 #CPV+ == EXTENDED DISPLAY

 END INITRBG

CONTROL SECTION SUMMARY: 01 00000 PT 0 02 015F2 PT 1 03 003ED PT 0

A#L1/02 00088
ABORTM/02 0133F
ACCTPM/02 0133B
ACTBIT/00000200
ADDIT2/02 003AC
ADDIT4/02 00395
AIFJE/02 00091
AIFNC1/02 000D2
AIF2/02 000AD
ALL/02 00838
ALL1/02 00837
ABF/02 00338
ABFNPG/02 002EA
ABFP3/02 00331
ABFSET/02 002BF
ABF1/02 00342
ABF5/02 0035E
ARSO/03 0004F
BADOP/02 00579
BADRID3/02 00B45
BADSID2/02 007F8
BADSYN/02 00CEA
BANNER/02 00C46
BDDEV/02 012E7
BDSWM/02 012F6
BKSWM/02 0124C
BRSTFCN/00000086
BSZFLD/02 01302
BUFSZ/0000006E
BUF2/000000B7
CBB/00000006
CEP/0000000D
CHKCNT/02 00597
CHKSTAT/02 0050C
CHNG2/02 001DF
CKSERX/02 00CEA

ABNM/03 00136
ABRS#/02 009D1
ACCTBIT/EXT
ADDIT/02 00389
ADDIT2H/02 003B5
ADDJOB/02 001EE
AIFNC/02 000BC
AIFOUT/02 009C0
ALDCBIT/02 01494
ALLOUT/02 00846
ALL2/02 00839
ABFADD/02 00372
ABFP/02 00314
ABFRR/02 00367
ABFSWS/02 002DA
ABF2/02 00344
ARFCN/00000002
ASTER/02 01356
BADPRI/02 0138C
BADSID/02 007E6
BADSID3/02 007E9
BADVAL/02 0058F
BASESW/02 0113E
BDFLD/02 012D6
BKFM/02 013A0
BKSW1M/02 01253
BRSTPTR/02 011EA
BUF/00000087
BUFSZSW/000000FF
BUF3/00000125
CCMVD/03 00053
CFC/00000015
CHKHLD/02 004DA
CHNG/02 001D9
CHNG3/02 001DD
CKSR2/02 00CF7

ABNM1/03 0013D
ABS#1/02 009D7
ACCTPRT/02 014A6
ADDIT1/02 003B0
ADDIT3/02 003A7
ADDX/03 0004B
AIFNCRB/02 000FD
AIFX/02 00099
ALBIT/EXT
ALLKET/02 008B1
ANLZACCT/02 00F59
ABFL/02 0033C
ABFP1/02 0031F
ABFRR1/02 0036F
ABFS2/02 00304
ABF3/02 00347
ARS/03 0004D
AUTO#L6G/02 00083
BADRID2/02 00B3F
BADSIDP/02 004FA
BADSID4/02 007EC
BADXIT/02 00983
BCP/03 00050
BDJM/02 0130F
BKSBIT/00000200
BOMSK/000000A0
BRSTWH/02 0121F
BUFBA/00000086
BUFX/00000005
BUF4/00000193
CCTMP/03 000EE
CHAINHD/03 000F3
CHKHEL/02 004E4
CHNGRSET/02 00555
CKG0/02 0083F
CLEARMF/02 00DA6

ABORT/03 0004A
ACCNT/02 00C91
ACCTPTR/02 011EF
ADDIT1H/02 003B8
ADDIT3H/02 003B2
AIF/02 00096
AIFNCRB1/02 0010E
AIF1/02 000A6
ALGBIT/00004000
ALLX/03 0004C
ANLZ43/02 010B9
ABFNB/02 00341
ABFP2/02 00328
ABFRR2/02 00371
ABFS3/02 0030E
ABF4/02 00357
ARSE/03 0004E
BADCRD/02 00404
BADRID2A/02 00B42
BADSID1/02 007EF
BADSW/02 006AC
BANGRB/02 011F7
BCSTPTR/02 011EC
BDRESM/02 01315
BKSW/02 00F4F
BPBIT/EXT
BRSTW2/02 0121E
BUFOUT/0000002C
BUF1/00000049
CANTSTBP/02 013B7
CEB/0000000E
CHKALL/02 007DD
CHKRS/02 00C74
CHNG1/02 001E5
CKJB/02 000B6
CLKBIT/00000400

CLSSYM/02 00DDA
 CMDVCHK/02 00BB4
 COME/0000000C
 COMMSK/000000C0
 COMBDM3/03 00340
 COMSELECT/02 01127
 COMPX/0000000A
 CRCH/02 00B23
 CTRBIT/00000100
 CVT/03 00055
 CVTYPL/02 006A0
 DDVM/03 00196
 DDVM1/03 00198
 DEL/02 00540
 DEL3/02 00547
 DFMX/00000007
 DISCBIT/00004000
 DISMESIR/03 00359
 DISPB2/03 00346
 DMPABN/02 001C0
 DMPRSDS/02 001C7
 D0RES/02 00971
 DSKFCN/02 0122B
 DUMRES/02 00C7F
 EDISM/02 0126D
 ENDCHK/02 00CD4
 EB0SER/00000015
 FIA0SET/02 006CF
 FIA3/02 006EE
 FINWRT/02 0070F
 FLKBIT/00000020
 FBPR1/00000020
 FBUND/02 00CB0
 FB4/02 006FC
 FRBIT/00000001
 FRMM/03 001BC
 FRSTPG/03 00050

CLSXX/02 0141C
 C0BLMSK/000000E0
 COMEDIT/02 0097E
 COMBDM3/03 00335
 COMRET/02 008A9
 CONT/03 00052
 CP/02 00C64
 CRCH1/02 00B2C
 CTR3/02 0006D
 CVTH0X/02 007D3
 CWB/00000008
 DDVMSZ/00000013
 DDVM2/03 00199
 DELBIT/EXT
 DEL5/02 00551
 DH1/02 008E4
 DISCM/03 00235
 DISMES0/03 00349
 DISPB3/03 00347
 DMPER/02 001D1
 D0J0B/02 00C18
 D0SSS/02 006C8
 DSR0/02 010FF
 DUPBIT/00008000
 EDIT/02 0097F
 ENDC1/02 00CDC
 FFLG/03 00056
 FIA0SET1/02 006D3
 FINBIT/00000004
 FLD/03 0024E
 FLUSHX/02 011DB
 FBRC0/02 00771
 FBVLX/0000000D
 FB5/02 006FF
 FRECK/02 00F3F
 FRMMX/02 0121B
 FSI02/02 00825

CLSXX0/02 01463
 COM/03 00051
 COMID0K/02 00219
 COMBDM1/03 00337
 COMRET1/02 008A8
 CONTCK/0000001F
 CPB/00000005
 CRCTBL/02 014F2
 CTR6/02 00035
 CVTSID/02 007CF
 DBRPTR/02 011F1
 DDVMSZF/0000001F
 DDVM3/03 0019D
 DEL1/02 00543
 DEVX/00000005
 DIALBIT/EXT
 DISCM1/03 00236
 DISP/03 00341
 DISPSER/02 010EF
 DMPRSD/02 001C4
 D0M/03 00388
 D0STAT/02 00506
 DUMES/02 01242
 EB4P1/02 0047A
 EM/02 00C6E
 E0C/00000008
 FIABIT/00000020
 FIA1/02 006D6
 FINDSID/02 00818
 FLG/00000001
 FMSBIT/00000040
 FB0RMS/02 00F91
 FB0/02 006BA
 FB6/02 00706
 FREPG/02 011E3
 FRMM/03 00059
 FSI03/02 00829

CMAB/02 01220
 C0MA/00000004
 COMIDX/0000000C
 COMBDM2/03 0033F
 COMRET2/02 008AC
 CONTROL/02 00037
 CRB/00000007
 CRDPTR/02 011F6
 CURSID/03 00054
 CVTYP/02 00694
 DCBIT/EXT
 DDVMSX/03 0018E
 DECZ/02 002BD
 DEL2/02 00545
 DFLTPRI/02 0097A
 DIM/03 00397
 DISMESIN/03 00376
 DISPB1/03 00345
 DLE/00000010
 DMPRSDC/02 001C9
 D0BP/02 00570
 DPDTBL/0000003C
 DUMRCK/02 0028B
 EDISBIT/00040000
 EMBIT/00000002
 E0CMSK/00000008
 FIA0CM/00000011
 FIA2/02 006E8
 FINBIT/02 00707
 FLINK/03 0005B
 FBH1/02 006B2
 FB0RMS1/02 00F99
 FB2/02 006F0
 FB7/02 0070E
 FRMCK/03 00058
 FRMX/0000000D
 FSI04/02 0082E

FSID6/02 0082F
 F0B2/02 01219
 F2TBL/00000020
 GEBC/02 005A3
 GETSER/02 00CB9
 GIFNC/02 00165
 GINCD1/02 00185
 GINCSP12/02 0019E
 GINC1/02 00168
 G0FG8/02 00258
 G0FRFM/02 002A8
 G0F4/02 00202
 GRBPG/02 00A83
 GRNX1/00000009
 GTDVNM/02 00600
 GTPG/02 011E2
 G3/02 00D06
 H*L2/0000003F
 H*STRY/02 00AF5
 H*S4/02 00AE5
 HBB/00000002
 HDR1/03 001DC
 HLDX/00000004
 H0LDBIT/EXT
 HSCP2/02 007C5
 HUMES/02 01263
 HU3/02 00DFA
 IBRM/03 001AD
 ICUM/03 001A4
 IDPTR/02 011F0
 IGBIT/EXT
 ILID/02 00B31
 INAM1/03 0014D
 INC118/02 0060F
 I0FCN/00000006
 JBAB1/02 009B9
 JEFND/02 00F72

FSID7/02 00835
 F1/02 00D18
 GDA/02 0009C
 GEBCR/02 00433
 GFCSTRT/02 0004E
 GINCC/02 00178
 GINCG1/02 001B2
 GINCSP0/02 0018C
 GJ08/00000040
 G0FG8T/02 00220
 G0F1/02 00285
 G0F5/02 00292
 GRBPGR/02 00A80
 GRPG1/02 00ABC
 GTDVNM1/02 00601
 GTT1/02 00DD0
 G4/02 00D0A
 H*L3/00000040
 H*STRY1/02 00ACE
 H*SSSBT/02 01495
 HCHK/02 00661
 HDR2/03 001E0
 HLD1/02 004D7
 H0B/00000001
 HSPCMP/02 007A9
 HU1/02 00DB9
 HU4/02 00E09
 IBRM1/03 001B3
 ICUM1/03 001A9
 IDUBTS/02 01497
 IGMES/02 01367
 ILIDM/02 0128B
 INAM2/03 00150
 INITRBG/02 00000
 IRS/0000001E
 JBMS/02 013F2
 JESTAT/02 00F65

FVP/02 011E7
 F1B2/02 01218
 GDEL/02 0029C
 GEBCX/02 0043F
 GFXP/03 00149
 GINCD/02 00FA7
 GINCG8/02 00177
 GINCSP1/02 001A0
 G0F/02 001F1
 G0FG8TIT/02 0022A
 G0F2/02 00268
 G0F6/02 00290
 GRNLMS/02 01233
 GS1/02 00CBA
 GTDVX/02 0089E
 G1/02 00D00
 H*LCL/00000030
 H*L4/00000072
 H*STRY2/02 00AF4
 HALBIT/00000800
 HDR/03 001DA
 HDR3/03 001E2
 HNDL/02 011FE
 HRB/00000003
 HUS5/02 00E19
 HU2/02 00DC2
 HWB/00000004
 IBWM/03 001B4
 ID/03 002AC
 IETM/03 001AA
 IGTAPS/02 011E5
 ILJ0BM/02 0130F
 INAM3/03 00152
 INPPT/02 013FB
 ITMM/03 0019E
 JDEX/0000000E
 JES1/02 00F6E

FXSYM/02 00DD8
 F1TBL/00000018
 GDNN0/02 00605
 GETFLD/02 00848
 GGRAN/02 00D91
 GINCD0/02 0017D
 GINCSP11/02 00198
 GINCWMF/02 00D83
 G0FF/02 00218
 G0FGS0/02 00253
 G0F3/02 00273
 G0TTAIL/02 00DC8
 GRNX/00000008
 GTDBT/02 0073A
 GTDVXX/02 008A1
 G2/02 00D05
 H*L1/0000003C
 H*STCXT/02 00AB5
 H*S3/02 00A20
 HASPBIT/02 01490
 HDRM/03 001E5
 HLD/02 004D6
 H0DLBT/EXT
 HSCP1/02 007B4
 HUBIT/EXT
 HU25/02 00DE4
 IBMBIT/EXT
 IBWM1/03 001BA
 IDCPT/02 011EE
 IETM1/03 001AC
 IJTYPE/03 00061
 INAM/03 00148
 INBIT/00000001
 INPTM/02 01348
 ITMM1/03 001A1
 JEDEL/02 00F51
 JEX/02 00F5D

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JEX1/02 00F5C
 J8BMP/02 01347
 KBH1/02 00E25
 KCOMERR/02 00EA7
 KDALB1/02 00FF6
 KDAL1/02 01001
 KDAL35/02 0100C
 KDBI2/02 010CD
 KDBI45/02 01096
 KDIF/02 00FA9
 KDNR1/02 00FC3
 KDR/02 00FC0
 KDST1/02 00013
 KDSYM2/02 01129
 KFFRM/02 00E8A
 KF1/02 00ECF
 KF4/02 00EBA
 KNF2/02 00F47
 K8ST8P/02 011C5
 KSEND/02 00E4E
 KSWG8/02 00F05
 KSWR1/02 00F27
 L8HSP/00000052
 LASTCHNK/EXT
 LGNMSK/02 0122E
 L8CBIT/00000010
 LRRD/02 00B10
 LRR3/02 009FD
 LTYFCN/02 01229
 MFBIT/EXT
 MFPR1/00000021
 MNTBL/00000034
 M8VECC/02 0079E
 M8VE2/02 00793
 MSBSE/02 012D6
 MSG1/02 005AC
 MSVEC/02 01402

J8BARRT/02 009B5
 J8BMT/02 01343
 KBH2/02 00E38
 KCOMM/02 00E75
 KDALBUT/02 010D5
 KDAL2/02 01010
 KDBI/02 0109A
 KDBI3/02 0105F
 KDBI5/02 01042
 KDIFP/02 00F9F
 KD8DG/02 0106C
 KDSEYM/02 0000D
 KDSY/02 00FB1
 KDSYM3/02 01125
 KFLUSH/02 011CD
 KF2/02 00ED3
 KMES/02 00E3F
 KNF2A/02 00FC1
 KPR18/02 00E96
 KSW#/03 00078
 KSWG81/02 00F07
 KSWR2/02 00F1C
 L8H2/00000064
 LCLCTR1/02 00F7C
 LIMIT1/02 0120E
 L8CK/02 00476
 LRR1/02 00AFC
 LRR4/02 009FC
 MAFCN/02 01230
 MFCK1/02 00764
 MKER1/02 00805
 MNT1/02 00C98
 M8VE1/02 0075E
 M8VE3/02 00796
 MSFLG/03 000C8
 MSG11/02 005B8
 MVCC1/02 007A6

J8BC8M/00000017
 KBCST/02 00E1D
 KCOM/02 00E5E
 KCOMX/02 00E6D
 KDAL8U1/02 010DD
 KDAL25/02 01021
 KDBI01/02 010A9
 KDBI35/02 0105D
 KDBLDMES/02 01036
 KDM01/02 00FD7
 KD8PMES/02 00FC7
 KDSPDN/02 01023
 KDSYMB/02 01104
 KEY/00000002
 KFND/02 00EB0
 KF3/02 00EBF
 KNF/02 00F44
 KNF3/02 00F48
 KSBR/02 00F4D
 KSWDN/02 00F38
 KSWIT/02 00ED5
 KSW1/02 00F35
 L8H3/00000068
 LGN/00000043
 LIMIT2/02 0120F
 L8FBIT/00002000
 LRR10/02 00AFA
 LRR5/02 00A06
 MARKERR/02 007F1
 MFCK2/02 0076C
 MKMES/02 0140A
 M8RBIT/EXT
 M8VE15/02 00776
 M8VFLD/02 0084D
 MSG/02 0059E
 MSKG/02 0149C
 MVSET/02 00783

J8BDN/02 0094B
 KBHD/02 00E3B
 KCOMEM/02 0125B
 KDAL/02 00FDB
 KDAL01/02 00FFB
 KDAL3/02 01005
 KDBI1/02 010B3
 KDBI4/02 01061
 KDEL/02 00EAF
 KDNR/02 00FAC
 K8BUP/02 00FB9
 KDSPDN1/02 01031
 KDSYM1/02 01106
 KFBD/02 00F8E
 KF8RM/02 00F7E
 KF3B/02 00ECA
 KNF1/02 00F46
 K8MP/03 0005E
 KSBR1/02 00F4E
 KSWFLG/03 00079
 KSWR/02 00F13
 KSW2/02 00EE2
 L8RBT/00000018
 LGNFCN/00000008
 LIPBIT/00000008
 LP/02 00C69
 LRR2/02 00A12
 LRR9/02 00A26
 MBSCALL/02 00F78
 MFFS/03 000C6
 MNFCN/02 01231
 M8UNT/02 00C97
 M8VE17/02 00781
 MRKD/03 000C7
 MSG01/02 005A6
 MSKH/02 0149B
 MVSET1/02 00791

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MXPRI/00000004
 NBKSBIT/02 0149D
 NDMSK/000000F2
 NMTBL/0000000C
 NB\$STRM1/02 00R4A
 NBEM/02 00C72
 NBEX/03 00174
 NB\$SERM/02 0132R
 NB\$SYS/02 0135D
 NBOUT/0000002D
 NSTRMM/02 01267
 NXMSK/000000F4
 NXTN1/02 00419
 NYID/03 000CA
 BCCC/03 000CB
 BFFBIT/00020000
 BPDISCM/03 00235
 BPNXX/02 01426
 BPTLST/03 000CC
 BRDN/02 00C8F
 PASSWORD/02 011FC
 PBNPTR/02 011EB
 PGOK/02 00A8F
 PIDUNK/02 008D4
 PJDN1/02 009B3
 PJ3/02 00915
 PNB3/02 00BEB
 PRDC1/02 0087D
 PREV/03 000D0
 PRI0/03 000D1
 PRIVTBL/00000038
 PR0CD3/02 0086D
 PR0C0PX/03 0005F
 PRTBAN/02 0014F
 PUNBIT/EXT
 RALGU/02 0048D
 RB\$DPD/02 00111

MXTBL/00000030
 NBMSK/000000C1
 NEWBAN/02 0012B
 NNMSK/000000F8
 NB\$STRM5/02 00B5A
 NBJOBM/02 01397
 NBMSZ/00000034
 NB\$H/02 009A1
 NB\$TG\$ING/02 011CA
 NRMES/02 0134D
 NSTRMM/02 012AE
 NXTCC/02 0040A
 NXTN2/02 00421
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 B\$IN/00000009
 BNEMES/02 00E56
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 BPNXX0/02 01451
 BRDAC/02 0121A
 BUTCHK/02 00CDF
 PBNM/03 0032B
 PBN1/02 00155
 PIDEA/02 008CE
 PID0/02 008C3
 PJDN2/02 009A0
 PLKXX/03 0005C
 PNDBIT/02 00BDC
 PRDC2/02 00890
 PRIDC/02 008BF
 PRICG/02 00E9B
 PRNTXIT/02 0113B
 PR0CID/02 008B3
 PR0C0P1/02 0056E
 PRTCK/02 009C9
 PUNMES/02 01370
 RB\$CCS/02 003BC
 RB\$DU/02 00077

NA\$LGBT/02 01496
 NBPMSK/000000DF
 NJMES/02 01397
 NB\$JOB/02 00BF1
 NB\$RST/02 00C20
 NB\$OBGM/02 01245
 NB\$RBRVR/02 001D6
 NB\$SLM/02 01332
 NB\$TID/02 00B2F
 NB\$TALBT/02 014A4
 NTR/00000005
 NXTCX/02 00411
 NXT0N/02 00418
 BAX/00000005
 B\$M1/02 00453
 BNMES/03 00130
 BPMSZ/0000000B
 BPNXX0/02 0143F
 BRDBIT/EXT
 PAR/00000001
 PBNM1/03 00330
 PF1/02 00F3D
 PIDN/02 008CB
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 PJDN3/02 00998
 PNB0/02 00BE7
 PRCDX/02 0088A
 PRDC3/02 00896
 PRIDC0/02 008BA
 PRI01/02 00E9F
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 PR0CJOB/02 008F4
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 QPNT/00000012
 RB\$CC1/02 003D5
 RB\$LRR/02 009DE

NALGBT/02 014A1
 NCTRBIT/02 0149A
 NL0CBT/02 014A0
 NB\$STRM/02 00B48
 NB\$DIS/02 014AD
 NB\$M0RE/02 00CCF
 NB\$RDR/02 00B49
 NB\$STAT/02 013AE
 NB\$TIDM/02 012A2
 NB\$TPBT/02 014A3
 NBWAN1/02 0013F
 NB\$TFCN/03 000C9
 NB\$TRBCC/02 00407
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 BCRCB/0000000D
 BPBUF/03 0011B
 B\$M1/03 001FC
 BPTBL/03 000CD
 BRDER/02 00C8E
 PARMSK/00000090
 PBNM2/03 00332
 PGMAR/03 000CF
 PIDNG/02 00BDA
 PJDN/02 0098B
 PJ1/02 00909
 PNB2/02 00BEA
 PRDCA1/02 0089B
 PRDC4/02 00893
 PRIN/02 00941
 PRI02/02 00EAC
 PR0CD2/02 00867
 PR0C0P/02 00564
 PR0CDCA/02 00876
 PUNBAN/02 01225
 RALGN/02 00487
 RB\$CC2/02 003D6
 RB\$NJ/02 00444

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 RB#BCM/02 00448
 RBCCBSE/02 00464
 RBCC2/02 003E6
 RBDEV/02 00517
 RBDISC/02 004CF
 RBFND/02 00381
 RBGA2/02 003F7
 RBINF8/02 0053D
 RBJOBM1/03 00212
 RBMSG/02 004D2
 RB#PBUF/03 00117
 RBSSS/02 00464
 RBSWT/02 00514
 RBUNLOCK/02 0047C
 RCVLBC/03 00023
 RECSZ/00000168
 REQFXP/03 00146
 RESCHK/02 00C84
 RESINX/00000007
 RESX/03 00072
 RFRMM1/03 001C7
 RGFM/02 00743
 RMTBAN/03 001CF
 RMTCLR/02 01202
 RREC/02 00754
 RSTP/02 00296
 RTY/00000042
 R10/0000000A
 R14/0000000E
 R4/00000004
 R8/00000008
 SAMID/02 00B33
 SDVX/00000009
 SERDX/03 003CB
 SETDM1/02 010E8
 SGN/00000006
 SIZPTR/02 01417

RBALGN/02 00483
 RBCCOUT/02 00684
 RBCHK/02 00379
 RBDEV1/02 0051A
 RBDISC1/02 004D0
 RBFND1/02 00383
 RBGA3/02 003F9
 RBJOBM/03 00210
 RBJOBM2/03 00214
 RBMSZ/00000013
 RB#PSZ/00000010
 RBSTAT/02 004FD
 RBSW2/02 00657
 RBXBIT/00010000
 RDDSK/02 00BF4
 REL/02 004E2
 RERUN/02 00C93
 RESCOM/00000018
 RESLIM/02 0095A
 RFRM/02 00498
 RFRMX/02 004AC
 RID/00000000
 RMTBAN1/03 001D8
 RMTNUM/03 00171
 RREC/03 001C8
 RSXX/02 01437
 RTYFCN/02 0122A
 R11/0000000B
 R15/0000000F
 R5/00000005
 R9/00000009
 SAMIDM/02 012C9
 SEB4P1/02 00479
 SERX/00000003
 SETXXDCB/02 0145F
 SGRNX/00000007
 SKIP/02 00592

RBBSpCL/02 001B6
 RBCCVEC/02 013FC
 RBCTL/02 004BA
 RBDEV15/02 0052D
 RBDFD1/02 0014A
 RBF0RM/02 00494
 RBHOLD/02 004D4
 RBJOBMPTR/02 011E8
 RBL0CK/02 00474
 RBMS1/03 000F9
 RBPH8/02 004E6
 RBSUSP/02 004B1
 RBSZ/02 0055E
 RBXXX/02 00515
 RDXX/02 0141F
 RELMF/02 00D99
 RES/02 01210
 RESET/02 00416
 RESOPTS/02 0146F
 RFRMB/02 004AD
 RFRM1/02 004A4
 RIDX/00000003
 RMTBAN2/03 001D4
 RMTPUT/02 011F4
 RRFM/02 0074A
 RSXXK/02 0143E
 R0/00000000
 R12/0000000C
 R2/00000002
 R6/00000006
 SAD/03 000F0
 SCPX/0000000A
 SECT/03 000D8
 SET#STRM/02 00A2F
 SET7/02 003D1
 SIDPTR/02 013FA
 SKIPSER/02 00CB5

RBCC/02 013C0
 RBCC1/02 003D8
 RBDEL/02 0053E
 RBDEV2/02 0052F
 RBDU1/02 0007F
 RBGA1/02 003F0
 RBINF/02 00611
 RBJOBMSZ/0000000F
 RBMS/03 000F4
 RBNJCK/02 003FF
 RBRET/02 004E0
 RBSWITCH/02 0062C
 RBTMSK/02 0122D
 RCBTBL/00000014
 REC/03 00252
 REMARK/02 0080C
 RES#/03 000D7
 RESF8UND/02 00C81
 RESPTR/02 0147F
 RFRMM/03 001C2
 RFXPTR/02 01204
 RMT#/00000008
 RMTBPTR/02 011E9
 RNFM/02 004AA
 RSL1/02 00960
 RTRY/00000025
 R1/00000001
 R13/0000000D
 R3/00000003
 R7/00000007
 SALUTE/02 01270
 SDAS/03 00001
 SERDS/03 003B6
 SETDM/02 010E0
 SGBITS/02 01498
 SIZPS/02 01413
 SLASLA/02 01216

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SLFCN/02 01232
SLSGBSZ/0000000B
SLSGESZ/00000006
SLSGRMT/0000001A
SLVBIT/EXT
SMDMNZ/0000001F
SMIN/03 00323
SMRINH/03 002CB
SPCGFCST/02 001BC
SSS/02 00469
STAK/03 000DA
STATX/03 000D9
STORSW1/0000000C
STRM2/02 00A5C
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SLSG/03 00158
SLSGCSZ/00000058
SLSGGB/00040650
SLSGSPTR/02 011F2
SLVXP2BT/02 01493
SMHIN/03 002F8
SMPR/03 00306
SNDPTR/02 011ED
SPRID/00000001
SSSBIT/00000010
STARTCBM/03 000F2
STAT1/02 00501
STPBIT/00000400
STRM3/02 00A7A
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SLSGB/03 00158
SLSGE/03 0016E
SLSGM/03 0015A
SLSGSZ/00000050
SMD/0000000B
SMHPR/03 002DB
SMPU/03 00313
SPB/00000026
SRCB2BT/00000008
SSS1/02 0046B
STAT/02 005BF
STOR8/02 00686
STRM1/02 00A54
STRTSYM/02 00B93
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SLSGBT/02 0120A
SLSGEP/02 0120C
SLSGPTR/02 011F3
SLSGWSZ/00000061
SMDCK/02 007C8
SMWPU/03 002EB
SMRIN/03 002D6
SPCER/02 001C2
SSIGS/02 01232
SSO1/02 00A37
STATMES/02 013A6
STORSW/0000000D
STRM15/02 00A63
STRM1/02 00B9B...
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