

ASSIGN M:SI,(FILE,LOGON,;UOOTSI)

ASSIGN M:CI,(FILE,LOGON,;UOOCI)

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

ACCNTSUM						
ACCOUNT	133/REF	1485/BAL				
	127/REF	472/STM	552/LB	770/LM	936/LW	939/LW
	953/LM	1293/LI				942/LW
ACT1						
	812/B	884-RES	1053/B			
AF						
	52/DB	59/LI	75/DB	76/LI	78/LB	92/DB1
	106/TEXTC	1396/COM	1396/COM			93/LW
AM:DATE						
	250.10/REF	521.2/LI				
AM:HED						
	250.1/REF	723.4/LI				
AM:LNK						
	250.15/REF	744.9/STW				
AM:LOG						
	250.5/REF	723.2/STW				
AM:ORG						
	250.3/REF	723.5/STW	741.1/STW	744.1/STW		
AM:PRCUR						
	250.14/REF	744.2/STW				
AM:PRMAX						
	250.13/REF	744.7/STW				
AM:STDOP						
	250.7/REF	744.4/STW				
AM:XACC						
	250.12/REF	746.3/STW				
AMERRMSG						
	360-TXTC	1062/TYPE				
AMH:BILL						
	250.9/REF	728.2/LI				
AMR						
	746.10/CAL1	1182-GEN				
AMWERR						
	746.8/LI	1067-RES				
ARFMSG						

ARS	354-TXTC	1574/SEND					
ASI	305-EQU	472/LW	815/LW	851/LH			
AUTOCALL	1230-GEN	1655/CAL1					
AUTOEXIT	694-LW	1266/B					
BA	695/BNEZ	703-LW					
BADLGMSG	570/LI	727/LI	1105/EQU	1105/EQU	1411/LIM		
BADLOGON	856/CAL1	1251=DATA					
BINPHEX	377-TEXTC	849/STH	1253/DATA				
BKCHCK	94/BAL	191/REF	533/BAL	848/BAL	1690/BAL	1768/BAL	1774/BAL
BLANKS	1354/BNE	1357=CI					
BUMMER	327-TEXT	462/LW	469/LW	470/LW	523/CW	697/LW	698/LW
BUMMER1	870/LW	885.5/LW	885.6/LW				
	1043=RES	1137/DATA					
	509/BNE	511/BNE	933/BNE	935/BNE	938/BNE	941/BNE	944/BNE
	1046=BAL						
BUSY	972/BE	980/BE	982/BF	1057=RES			
BYTE	1411/LIM	1416=EQU					
CARRRTRN	1087/DATA	1090=DATA					
CF	1396/COM						
CHAROK	1358/BE	1362=CI					

CLEANUP	686-RES					
CLOSE	502/CAL1	898/CAL1	929/CAL1	974/CAL1	1045/CAL1	1169-GEN
CLSMAIL	688/CAL1	1213-GEN				
C0CLN	250/REF	532/LW	847/AND	1689/AND		
COMMA	1340/BNE	1342/BNE	1347-CI			
COMPRS	540-LB	547/BL				
C0NCAT	488/BAL	494/BAL	1383-LI			
CRATE	1484/CAL1	1560/CAL1	1639-RES			
DCBAR	309-EQU					
DCBER	308-EQU					
DISPLINE	257/DEF	375-DATA	844/MTW			
DBIT	1384-LB	1392/B				
DOUBLEZERO	151/REF	435/LD				
DOWN	345-TXTC	905/TYPE				
ECH0WTE	817/CAL1	1162-GEN				
ERAC	338-TXTC	806/TYPE				
EREXT	339-TXTC	826/TYPE				
ERID	337-TXTC	820/TYPE				
ERIDMSG						

ERIDMSG	79/CAL1	1094=GEN					
ERRCODEM	81/CAL1	1110=GEN					
ERRTRY	97/STW	192/REF	909/SEND	988/SEND	1550/SEND	1576/SEND	1590/SEND
EVTHNOK	189/REF	834/LW	838/STW				
FDERROR1	757/BEZ	762/BNE	768-EQU				
FILEXMSG	1548/BE	1574=RES					
FPTCLSL	357-TXTC	666/TYPE					
FSI	1522/CAL1	1531=GEN					
GHST	772/CAL1	1226=GEN					
HA	409/BCS	414-EQU					
HALF	728-2/LI						
HFLDMSG	1415-EQU						
I	361-TXTC	1647/TYPE					
IDMSG	58-DB	59/LI	75-DB	76/LI	78/LB		
INMSG	342-TXTC	476/TYPE					
INQUIRE	477/CAL1	1123=GEN	1648/CAL1				
IBERROR	459=RES	832/B					
J:ABUF	896=RES	1191/DATA					
	125/REF	567/STW					

J:ASSIGN							
J:CCBUF	207/REF	581/STS	593/STS				
J:EUP	137/REF	709/STM	711/STB				
J:JIT	152/REF	440/STW					
	139/REF	310/EQU	408/LC	410/LW	423/STCF	445/AND	472/STM
	475/STM	492/XW	499/XW	504/STM	535/LC	540/LB	568/STW
	605/STW	651/LI	663/LW	669/STW	671/LW	677/STW	701/LI
	741/LW	744/LW	759/LI	771/STM	780/STB	781/STB	949/STM
	1019/LC	1073/STB	1288/LI	1411/LIM	1473/LB	1480/STB	1489/LC
J:XP	1499/LC	1673/LC	1681.2/AND	1690.1/LC	1695/LM		
J:ABC	195/REF	592/STH	602/STH				
J:ACCN	161/REF	781/STB					
	119/REF	410/LW	475/STM	498/XW	499/XW	504/STM	540/LB
	949/STM	1282/LI	1695/LM				
JB:LC	167/REF	787/LI					
JB:LPP	169/REF	461/LI	463/LI	785/LI	794/LI		
JB:MAX	237/REF	617/LB	638/STB				
JB:NFP00L	205/REF	1411/LIM					
JB:PRIV	163/REF	574/LI	586/LI	1505/STB	1700/LB	1703/STB	1708/STB
JCPP0	1786/STB						
JCUSRERR	158/REF	605/STW					
JFUPVP	622/BLZ	630/BEZ	1018-EQU				
	154/REF	439/LI					

JH:LDCF					
JRNST	245/REF	1456/LI			
JTELFLGS	156/REF	780/STB	1480/STB		
JUNAME	129/REF	562/STW			
KEYBUFF	122/REF	472/STM	771/STM	1073/STB	1473/LB
L	187/REF	485/LI	972/LI	1687/STW	1729/DATA
LF	962/BR				
LIM	57-RES	74-RES	91-RFS	106-TEXTC	
LIMINF0	1396-COM				
LIMINF0A	652/LW	1402-RES	1408/EQU		
LIMSTORE	657/CI	1402-EQU			
LIST	660/EXU	1397-RES			
LISTLOC	252-EQU	959/STM	964/STM	965/CAL1	971/STM
LMTSZE	175/REF	252/EQU			973/CAL1
L0FFMSG	304-EQU	610/LI	643/LI	1441/LI	
L0GFILE	358.1-TXTC	763/TYPE			
L0GIT	501/CAL1	967/LM	1189-GFN		
L0GIT10	516/BEZ	521-RES	975/B		
L0GIT5	524/BNE	522/BEZ	531-RES		

LOGOFF	526-RFS	530/BIR			
LOGOFFFX	411/BNEZ	417/BANZ	421/BF	1472-RES	1570/B
LOGOFFFX1	1475/BF	1477/BE	1488-EQU		
LOGOFFFX2	766.2/B	1487/B	1490/BCR	1492/BE	1494-EQU
LOGOFFFX3	1028/B	1501-EQU			
LOGOFFFX6	1500/BCR	1503/BEZ	1515-EQU		
LOGON	1518/BAZ	1520/LI	1523-EQU		
LOGON:CBC	396-RES	1809/END			
LOGRECSZ	316/GEN	412/B	433/B	451-EQU	
LOOP	306-EQU	1193/DATA			
LR:ACC	1333-BDR	1344/BEZ	1346/B	1356/B	1371/B
LR:ADIS	283-EQU	950/STM			
LR:ARAD	294-EQU	672/SW			
LR:BIL	292-EQU	664/SW			
LR:CPA	290-EQU	727/LI			
LR:CPN	288-EQU	706/LM			
LR:CPP	289-EQU	694/LW	703/LW	704/LW	
LR:DMR	287-EQU	707/LM			
	293-EQU	596/LH	600/LH		



LR: EACCT							
LR: FG	295-EQU	527/LW					
LR: PRIV	285-EQU	577/LW					
LR: PW	291-EQU	570/LI	956/STH				
	286-EQU	515/MTW	518/LM	782/STW	783/STW	871/STW	872/STW
	947/STM						
LR: UGML							
LR: UGMR	298-EQU						
LR: UNML	301-EQU						
LR: UNMP	296-EQU	644/CW					
LR: UNMR	302-EQU	680/LI					
LR: UOML	299-EQU	611/CH					
LR: UOMR	297-EQU	648/LW					
LR: UPFLG	300-EQU	613/LB					
LR: USR	303-EQU	681/LI					
LT0	284-EQU	954/STM					
MIACINIT	1470-TEXTC	1493/TYPE					
M: EB	251/SREF	756/LI					
	116/REF	260/EQU	261/EQU	746.7/LI	829/LI	1182/GEN	1720/GEN
	1726/GEN	1736/GEN	1777/LH				
M: LL	233/REF	1517/CW	1519/LI	1531/GEN			
M: LBG							

M:OC	260-EQU	1132/GEN	1169/GEN	1175/GEN	1189/GEN		
M:RATE	256/REF	1243/GEN					
M:UC	261-EQU	1601/GEN	1626/GEN	1640/GEN			
	117/REF	259/EQU	415/LH	419/AND	532/LW	847/AND	1633/GEN
	1689/AND						
M:XI							
MAILMSG	160/REF	1192/GEN	1213/GEN				
	349-TXTC	689/TYPE					
M:SI							
MASTER	1651/BE	1655-CAL1					
	318-GEN	425/CAL1	1510/CAL1				
MAXG							
	146/REF	422/LI					
M:LL							
M:LLCNT	1099-GEN	1506/CAL1					
	1102/DATA	1105-EQU					
M:LLMSG							
	1102-DATA	1105/EQU					
M:DCPL							
	1234-DATA	1495/CAL1					
M:DPB							
	199/REF	1406/LIM					
M:RTAB							
	365-EQU	521.3/STW	723.2/LI	1184/DATA			
M:ESSAGE							
	857/CAL1	1243-GEN					
M:PB							
	201/REF	1405/LIM					
M:PPB							
	197/REF	1404/LIM					
M:RCPL							

MUPB	123R-GEN	149A/CAL1					
NAMACT	203/REF	1407/LIM					
NAME	341-TXTC	1047/TYPER					
NEWLINE	77/D8						
	319-DATA	453.1/TYPER	453.1/TYPER	476/TYPER	521.5/TYPER	666/TYPER	666/TYPER
	674/TYPER	674/TYPER	689/TYPER	689/TYPER	763/TYPER	763/TYPER	843/TYPER
	905/TYPER	984/TYPER	1025/TYPER	1068/TYPER	1493/TYPER	1647/TYPER	1657/TYPER
NFXLOOP	552-LB	559/BL					
NEXT	542/BE	548-LI					
NO:RES	443/BEZ	1004/BE	1010-EQU				
NOACCESS	520/BNE	869-EQU					
NOCONNECT	774-EQU	1659/BE	1658/B				
NOIMGMSG	362-TXTC	1657/TYPER					
NOMAIL	1200/DATA	1201/DATA	1258-RFS				
NOMSG	793/CAL1	1085-GEN					
NO8CM8G	845/BEZ	858-EQU					
NO8ATE	1540/BE	1558-RES	1583/B	1595/B			
NO8RETURN	897/CAL1	928/CAL1	1044/CAL1	1175-GEN	1559/CAL1		
NO8THERE	346-TXTC	984/TYPER	988/SEND				
NUM	58/D8	75/D8					

0FFMSG							
0NATM	362.1-TXTC	766.1/SEND					
08PS	344-TXTC	521.5/TYPE					
08PS1	926-RES	1132/DATA					
0PENIT	931/BNE	974-RES					
0PMES	500-CAL1	1060/B					
0PNLOGGN	173/REF	532/STH	543/STB	549/STB	555/STB	561/STB	562/SEND
0PNMAIL	500/CAL1	952/LM	962/LM	1132-GEN			
0PNRFMSG	687/CAL1	1192-GEN					
0RATE	356-TXTC	1550/SEND					
0UT1	1482/CAL1	1600-RES					
0UT3	554/BE	560-AI					
0UT3A	573/BE	577-LW					
0UT4	585/BEZ	590-EQU					
0UT5A	601/BEZ	604-LI					
0UT5B	608-LH	639/BDR					
0UT5C	611-CH	614/BDR					
0UT5D	612/BNE	614-BDR					
0UT5E	619-AND						

	615/B	621/BNE	623-EQU		
OUTSEA	626/BNE	637-EQU	1020/BCR		
OUT5F	609/BEZ	639-BDR			
OUT6A	642-LW	661/BDR			
OUT6B	644-CW	646/BDR			
OUT6C	645/BE	648-LW			
OUT6E	649-CW				
OUT6F	647/B	650/BE	661-BDR		
OUT8	665/BGEZ	669-STW			
OUT9	673/BGEZ	677-STW			
P:JIT	112/DEF	310-EQU			
PACKXMSG	358-TXTC	674/TYPER			
PARSE	480/BAL	1281-RES			
PARSE10	1316/BE	1322-RES			
PASSWORD	340-TXTC	883/TYPER			
PCA	1350/BNE	1353-CI			
PRDCRM	214/REF	663/LW	669/STW	741/LW	1409/LIM
PRDPRM	218/REF	671/LW	677/STW	744/LW	1413/LIM
QUEST	348-TXTC	885/TYPER			

RAS:CBP							
441/SREF	442/LI	446/STB	449/STB	1502/LI	1512/STB	1514/STH	
RAS:RES							
1011/SEND	1032=TEXTC						
RAS:USR							
1005/SEND	1033=TEXTC						
RATEBUSY							
1542/BE	1544/BE	1546/BE	1567=RES				
RATEERR							
1537=RES	1603/DATA	1604/DATA					
RATEFLAG							
135/REF	1481/STW	1562/STW					
RATEIN							
1485=BAL	1563/B						
RCAL1							
812/CI	1648=CAL1						
RDL0G0NM							
350=TXTC	909/SEND						
RDRATERR							
1587=RES	1628/DATA	1629/DATA					
RECONNECT							
773/BCR	813/BE	1646=EGU	1654/B				
RECONNOUT							
1656/BCR	1659=EGU						
RECORD							
172/REF	466/STW	508/CW	510/CW	515/MTW	518/LM	527/LW	
570/LI	577/LW	596/LH	600/LH	611/CH	613/LB	644/CW	
648/LW	664/SW	672/SW	680/LI	681/LI	694/LW	703/LW	
704/LW	706/LM	707/LM	727/LI	758/LI	782/STW	783/STW	
850/LI	871/STW	872/STW	947/STM	950/STM	954/STM	956/STH	
1126/DATA	1164/DATA	1192/DATA	1335/LB	1605/DATA	1649/LB	1676/STM	
1698/STM	1701/STW	1707/LW	1710/LM	1716/GEN	1729/DATA	1767/STW	
1770/LW	1785/LW						
RECSIZE							
178/REF	465/LI						
RES:ABN							
1001=EGU	1635/DATA						

RESIERR					
1000=EGU	1635/DATA				
RETREQ					
689=TYPE	1261/BE	1263/BF	1265/BE		
RETURN					
1177/DATA	1178/DATA	1270=RES			
RGHST					
431/BE	434=EGU				
RRATE					
1483/CAL1	1625=RES				
RRFMSG					
355=TXTC	1590/SEND				
S:COUP					
252.1/REF	1679/LW				
S:GJOBACN					
149/REF	438/STD				
S:GJOBTBL					
144/REF	430/CD	436/STD			
S:GUIS					
142/REF	427/MTW				
S:BUIS					
140/REF	426/MTW				
SB:GJOBUN					
147/REF	437/STB				
SCAN					
1290/BAL	1295/BAL	1304/BAL	1312/BAL	1330=RES	
SCRAM					
249/REF	1319/BAL				
SECAT					
497/LM	1148=RES				
SECTION1					
110/DEF	313=RES				
SFND					
55=CNAME					
SENDOPMS					
61/CAL1	113/REF				
SFTEABN					

746.9/CAL1	831/CAL1	1219=GFN	1521/CAL1
SETERROR			
89=CNAME			
SFTLDCF			
682/BAL	1437=RES		
SETLDCF2			
1440=LH	1461/BDR		
SETLDCF4			
1442=CH	1444/BDR		
SETLDCF6			
1443/BE	1447=LB		
SETLDCF8			
1445/B	1461=BDR		
SFTRES			
424/CAL1	1633=GEN		
SHIRNM			
235/REF	602/LH		
SHISYMT			
242/REF	1440/LH		
SLINAME			
239/REF	642/LW		
SLASH			
347=TXTC	1050/TYPE		
SLAVE			
316=GEN	450/LPSD		
SORRY			
343=TXTC	843/TYPE		
SPEC			
1410/LIM	1412/LIM	1417=EQU	
STDBPT			
130.1/REF	744.3/LW		
SV:FTYM			
241/REF	1432/LI		
SV:LIM			
238/REF	641/LI		
SV:RSIZ			
234/REF	607/LI		



SYNPRINT					
SYNTAX	809/B	824/B	828-RES	886/B	
SYNTAXA	810-RES	1125/DATA	1314/BG	1363/BGE	
SYNTAXB	805-BAL	1292/BG			
SYNTAXC	819-BAL	1297/BE	1299/BG		
SYS	825-BAL	1309/B			
SYSACCNT	325-TEXT	700/LM	932/CW	934/CW	
SYSUNAME	262-EQU	325/TEXT	1150/TEXT	1618/TEXT	
SYSUSR	263-EQU	326/TEXT			
TFL	326-TEXT	937/CW	940/CW	943/CW	
THISISIT	324-TXTC	696/LW			
TIM	312-CSECT	395/USECT			
TIMBUF	329-GEN	453.1/TYPE			
TIMBUF1	180/REF	456/TYPES	521.7/TYPES	1119/GEN	1478/STW
TIMER	194/REF	723.7/LW			
TIMEVERT	453.2/CAL1	521.4/CAL1	1119-GEN		
TIMKWD	114/REF	521.4/BAL			
TMDCRM	328-TEXT	649/CW			
TMDPRM	224/REF	1412/STW			

TMPDCPK	222/REF	1421/STW					
TMPDPPK	226/REF	1419/STW					
TRIES	227/REF	1422/STW					
TRIES1	805/BAL	814/BAL	819/BAL	825/BAL	836-LW	882/BAL	1046/BAL
TRYERR	841-RES	914/B	995/B	1074/B			
TSTACK	307-EQU	839/CI					
TSTDI	248/REF	1317/PSW	1321/PLW				
TSTST	1412/LIM	1421-STW					
TXLOGON	1410/LIM	1418-STW					
TXTC	315-TEXTC	429/LD					
TYPE	102-CNAME						
TYPES	72-CNAME						
UACCOUNT	71-CNAME						
UC	183/REF	484/LI	951/STM	1049/TYPES	1289/LI		
UEXTACC	259-EQU	305/EQU	1085/GEN	1094/GEN	1110/GEN	1123/GEN	1162/GEN
UNME	228/REF	522/LW	529/STW	746.2/LW	885.12/STW	1303/LI	
UPASSWD	182/REF	489/LI	1052/TYPES	1294/LI			
USR:ERR	185/REF	519/CD	885.7/STD	946/LM	1306/LI	1318/LD	1320/STD
	1021/SEND	1029-TEXTC					

USR:ERR1							
WAIT1	1025/TYPE	1030-TEXTC					
WAIT5	1059/CAL1	1079-RES	1569/CAL1				
WMSGF	453/CAL1	1081-GEN					
WOPNE	1776/CAL1	1802-DATA					
WOPNM0DE	1728/DATA	1728/DATA	1738/DATA	1739/DATA	1762-LB		
WORD	1743-DATA	1793/LW	1797/STW				
WRAM1	1404/LIM	1405/LIM	1406/LIM	1407/LIM	1409/LIM	1413/LIM	1414-EQU
WRAM2	728.1/BEZ	728.5-EQU					
WRBUSY	746.2-LW	746.5/BIR					
WRCLS	1764/BE	1785-LW					
WRITEAMR	1706/CAL1	1720-GEN					
WRL0GC	702/B	723.1-EQU					
WRL0GD	1706-CAL1	1779/BANZ					
WRL0GG	791/BAL	1492/BAL	1673-LC	1756/USECT			
WRL0GB	1699-CAL1	1782/B					
WRL0GR	1704-CAL1	1792/B					
WRMSG	1707-LW	1780/B					
WR00PS	1769/STH	1775/STH	1802/DATA	1807-TEXTC			

WR0PEN	1767-STW	1795/BE	
WR0PN0	1704/CAL1	1736-GEN	
WRTIME	1766/BE	1793-LW	1808/USECT
WRWRITE	1699/CAL1	1716-GEN	
WRX	1704.1/CAL1	1726-GEN	
WRZZZZ	1681/BAZ	1696.2/BE	1709-LCI
XFFFF	1787/CAL1	1805-GEN	
X1FFFF	322-DATA	619/AND	624/AND
YBLK	323-DATA	811/AND	
YFFFE	1338/BE	1341-CI	
Y03	320-DATA	659/LW	
	321-DATA	592/LW	

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\*\*\*\*\*  
\*M\* LOGON INITIATES BN-LINE AND TERMINATES BN-LINE AND BATCH SES;  
\*\*\*\*\*  
\*P\*  
\*P\* NAME: LOGON  
\*P\*  
\*P\* PURPOSE: TO RECEIVE A TERMINAL USER'S REQUEST FOR SERVICE AND TO  
\*P\* DETERMINE IF HE IS AUTHORIZED TO USE THE CPV SYSTEM AND  
\*P\* ALSO TO LOG BOTH BATCH AND TERMINAL USERS OFF THE SYSTEM.  
\*P\*  
\*P\* DESCRIPTION: WHEN LOGGING TERMINAL USERS ON, USER AUTHORIZATION  
\*P\* IS VERIFIED BY COMPARING THE TERMINAL USER'S NAME,  
\*P\* ACCOUNT, AND PASSWORD WITH THOSE SPECIFIED IN THE  
\*P\* :USERS FILE. UPON DETERMINING USER VALIDITY,  
\*P\* INFORMATION FROM THE USER'S LOGON RECORD IS STORED  
\*P\* IN HIS JIB AND AN ASSIGN-MERGE RECORD CREATED. IF A  
\*P\* :USERS FILE DOESN'T EXIST AND A USER LOGS ON IN :SYS  
\*P\* LBE, THE FILE IS CREATED WITH A RECORD FOR THAT ACCOUNT.  
\*P\* LOGON EXITS TO TEL UNLESS AN AUTO-CALL PROCESSOR IS  
\*P\* SPECIFIED IN THE USER'S LOGON RECORD. CONTROL IS  
\*P\* PASSED TO AN INSTALLATION'S JOB INITIATION ROUTINE  
\*P\* IF ADDITIONAL POLICING OF USERS IS DESIRED.  
\*P\* IF THE X121 BIT OF CONTROL CELL S:COUP IS SET, A RECORD  
\*P\* KEYED BY SYSID IS WRITTEN FOR THE USER IN THE FILE  
\*P\* :LOGD.:SYS CONTAINING NAME, ACCOUNT, TIME ON, AND EITHER  
\*P\* THE COC LINE NUMBER OR THE TEXT :RA: TO DENOTE A REMOTE  
\*P\* ASSIST USER. THIS FILE IS USED IN CONJUNCTION WITH THE  
\*P\* TEL 'WHERE' COMMAND.  
\*P\*  
\*P\* WHEN LOGGING USERS OFF, THE :RATE FILE IS READ AND THE  
\*P\* ACCTSUM SUBROUTINE CALLED TO COMPUTE AND LOG THE  
\*P\* ACCOUNTING INFORMATION. COOPERATIVE FILES ARE CLOSED  
\*P\* THE :LOGD RECORD FOR THE USER IS RE-WRITTEN, IF THE  
\*P\* FEATURE IS ENABLED, TO INDICATE THE TIME OF LOG OFF.  
\*P\* AND LOGOFF IS EXITED.  
\*P\*  
\*P\* REFERENCE: TIME SHARING REFERENCE MANUAL

H01 18134 SEP 08, '75

30  
31  
32  
33  
34

\*P\*  
\*P\*  
\*P\*

PSR  
TITLE

CP-V LOGON/LOGOFF  
DATA BASE TECHNICAL MANUAL  
SYSTEM MANAGEMENT REFERENCE MANUAL  
TIME SHARING USER'S GUIDE  
0  
'CP-V LOGON/LOGOFF'

H01 18134 SEP 08, '75  
50  
1\* 00000C01

\*S\*

SYSTEM CP-V LOGON/LOGOFF  
SYSTEM SIG7FDP  
BPM

H01 18:34 SEP 08, 1975

CP-V LOGON/LOGOFF

23

51  
 52  
 53  
 54  
 55 00000000  
 56  
 57  
 58  
 59  
 61  
 66  
 67  
 68  
 69  
 70  
 71 00000000  
 72 00000001  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84

PAGE

\*  
 \* SEND MESSAGE TO OPERATOR (USES R2, SR4)  
 \*

SEND CNAME  
 PRBC  
 LF RES 0  
 I D0 NUM(AF)  
 LI,R2 AF(I)  
 CAL1,2 SEND9PMS  
 FIN  
 PEND

\*  
 \* SEND MESSAGE TO TERMINAL USER (USES R2, R3)  
 \*

TYPES CNAME 0  
 TYPE CNAME 1  
 PRBC  
 LF RES 0  
 I D0 NUM(AF)  
 LI,R2 AF(I)  
 D0 NAME  
 LB,R3 AF(I)  
 CAL1,1 ERIDMSG  
 FLSE  
 CAL1,1 ERIDMSG  
 FIN  
 FIN  
 PEND



H01 18134 SEP 08, 1975

CP-V LOGON/LOGOFF

85  
86  
87  
88  
89 00000000

PAGE  
\*  
\* PRBC TO SET UP ERROR CODE MESSAGE (USES R2, R4)  
\*

SETERR0R CNAME  
PRBC  
LF RES 0  
D01 AF(1) R2  
LW,R2 AF(1)  
BAL,SR4 BIN2HEX  
LI,R2 1=1  
STB,R2 R4  
STW,R4 ERRCODEM+3  
PEND

99  
100  
101  
102 00000000

\*  
\* PRBC TO GENERATE TEXTC CODE WITHOUT LISTING HEX  
\*

TXTC CNAME  
PRBC  
DISP \*  
LF LIST 0  
TEXTC AF  
LIST 1  
PEND

103  
104  
105  
106  
107  
108

PAGE	DEF	SECTION1	START OF CONTROL SECTION CONTAINING PROCEDURE
109			
110			
111	**		
112			
113	DEF	P:JIT	EQU; EQUATED WITH J:JIT IN LOGON
114	REF	SENDOPMS	PLIST TO SEND ERROR MESSAGES TO UC
115	REF	TIMEVERT	CONVERT TIME=ON TO MINUTES FROM
116	**		
117			
118	REF	M:EO	MIDNIGHT
119	REF	M:UC	DCB FOR READING :RATE AND :USERS FIL
120	**		
121	**		
122			
123	REF	JACCN	DCB FOR READING TERMINAL INPUT AND
124	**		
125	**		
126			
127	REF	JUNAME	SENDING ERROR MESSAGES TO TERMINAL
128	**		
129	**		
130			
131	REF	J:ABUF	OUTPUT; EQU; DISPLACEMENT IN JIT
132	**		
133	**		
134			
135	REF	ACCOUNT	USED TO SAVE ACCOUNT SPECIFIED AT
136	**		
137	**		
138			
139	REF	JTELFLGS	LOGON TIME
140	**		
141	**		
142			
143	REF	STDOP	OUTPUT; EQU; DISPLACEMENT IN JIT
144	**		
145	**		
146			
147	REF	ACCNTSUM	USED TO SAVE NAME SPECIFIED AT
148	**		
149	**		
150			
151	REF	RATEFLAG	LOGON TIME
152	**		
153	**		
154			
155	REF	J:CCBUF	OUTPUT; INITIALIZE ASSIGN=MERGE
156	**		
157	**		
158			
159	REF	J:JIT	ADDRESS AT LOGON TIME
160	REF	S:OUIS	OUTPUT; RETAIN USER'S NAME SPECIFIED
161	**		
162	**		
163			
164	REF	S:GUIS	AT LOGON TIME
165	**		
166	**		
167			
168	REF	S:GJOBTL	OUTPUT; INITIALIZE TO ZERO AT
169	**		
170	**		
171			
172	REF		INPUT; DEFAULT SETTING FOR J:OPT
173	**		
174	**		
175			
176	REF		STORED IN AM:STOOP IN A/M RECORD
177	**		
178	**		
179			
180	REF		COMPUTE, DISPLAY, LOG ACCOUNTING
181	**		
182	**		
183			
184	REF		INFORMATION
185	**		
186	**		
187			
188	REF		OUTPUT; FLAG SET TO INDICATE TO ACCTS
189	**		
190	**		
191			
192	REF		A RATE FILE DOES/DOESN'T EXIST
193	**		
194	**		
195			
196	REF		OUTPUT; NAME OF AUTO-CALL PROCESSOR
197	**		
198	**		
199			
200	REF		SPECIFIED IN :USERS RECORD
201	**		
202	**		
203			
204	REF		INPUT/OUTPUT; USER INFORMATION
205	**		
206	**		
207			
208	REF		OUTPUT; INCREMENT ON-LINE USERS IN
209	**		
210	**		
211			
212	REF		SYSTEM WHEN NON-COC USER LOGGING ON
213	**		
214	**		
215			
216	REF		OUTPUT; DECREMENT GHOST USERS IN SYST
217	**		
218	**		
219			
220	REF		WHEN NON-COC USER LOGGING ON
221	**		
222	**		
223			
224	REF		OUTPUT; REMOVE LOGON FROM GHOST TABLE
225	**		
226	**		
227			
228	REF		FOR NON-COC USER LOGGING ON
229	**		
230	**		

H01 18:34 SEP 08, 1975

CP-V LOGON/LOGOFF

26

146		REF	MAXG	EQU; MAXIMUM LENGTH OF GHOST TABLE
147		REF	SBIGJOBUN	OUTPUT; CLEAR GHOST JOB USER
148	*,*			NUMBER FOR NON-CBC USER LOGGING ON
149		REF	S:GJOBACN	OUTPUT; CLEAR GHOST JOB ACCOUNT NUMB.
150	*,*			FOR NON-CBC USER LOGGING ON
151		REF	DOUBLEZERO	INPUT; CONSTANT
152		REF	J:EUP	OUTPUT; SET USER'S TOP ADDRESS BELOW
153	*,*			TEL
154		REF	J:EUPV	INPUT; EQU; SET USER'S TOP ADDRESS
155	*,*			BELOW TEL
156		REF	JRNST	OUTPUT; EQU; BYTE 0; INITIALIZE TO
157	*,*			0 AT LOGON TIME
158		REF	JCPP0	OUTPUT; EQU; BITS 15-31; SET FILE
159	*,*			EXTENSION BITS
160		REF	MIX1	DCB USED FOR OPENING MAILBOX FILE
161		REF	JABC	OUTPUT; EQU; BYTE 0; INITIALIZE TO
162	*,*			ZERO AT LOGON TIME
163		REF,1	JB:PRIV	OUTPUT; BYTE 0; SAVE PRIVILEGE FROM
164	*,*			;USERS RECORD
165	*,*			OUTPUT; BIT 6; INDICATE SECURITY
166	*,*			FLAG SET IN ;USERS RECORD
167		REF,1	JB:LC	OUTPUT; SET UP JIT FOR TOP OF PAGING
168	*,*			AT LOGON TIME
169		REF,1	JB:LPP	OUTPUT; BYTES 0-1; INITIALIZE LINES
170	*,*			PER PAGE AND CURRENT LINES AT LOGON
171	*,*			TIME
172		REF	RECORD	BUFFER FOR ;USERS RECORD AT LOGON TI
173		REF	0PMES	BUFFER FOR SENDING LINE NUMBER, NAME
174	*,*			AND ACCOUNT TO OPERATOR AT LOGON TIME
175		REF	LISTLOC	EQU; BUFFER IN ACCTSUM TO HOLD FPT
176	*,*			USED FOR GENERATING INITIAL ;USERS
177	*,*			RECORD (ISYS,LBE)
178		REF	RECSIZE	EQU; SIZE OF CONTEXT AREA INITIALIZED
179	*,*			WITH ZEROS AT LOGON TIME
180		REF	TIMBUF	OUTPUT; SAVE TIME/DATE OF USERS
181	*,*			LOGON TIME
182		REF	UNME	OUTPUT; SAVE USER'S NAME AT LOGON TI

183		REF	UACCOUNT	OUTPUT; SAVE USER'S ACCOUNT AT LOGON TIME
184	*,*			
185		REF	UPASSWD	OUTPUT; SAVE USER'S PASSWORD AT LOGON TIME
186	*,*			
187		REF	KEYBUFF	OUTPUT; BUILD KEY TO READ RECORD FROM :USERS FILE
188	*,*			
189		REF	ERRTRY	INPUT/OUTPUT; COUNT OF USER'S ATTEMPTS TO LOG ON
190	*,*			
191		REF	BIN2HEX	CONVERT BINARY VALUE TO HEXADECIMAL
192		REF	ERRCODEM	OUTPUT; ERROR CODE INTO ERROR CODE TEXT MESSAGE
193	*,*			
194		REF	TIMBUF1	INPUT; LOGON TIME IN MINUTES
195		REF	J:XP	OUTPUT; LEFT HALF; STORE FILE RETENTION PERIOD
196	*,*			
197		REF	MPPB	OUTPUT; EQU; BITS 0-14; STORE MPPB SPECIFIED IN :USERS RECORD
198	*,*			
199		REF	MDPB	OUTPUT; EQU; BITS 0-14; STORE MDPB SPECIFIED IN :USERS RECORD
200	*,*			
201		REF	MPB	OUTPUT; EQU; BITS 0-14; STORE MPB SPECIFIED IN :USERS RECORD
202	*,*			
203		REF	MUPB	OUTPUT; EQU; BITS 0-14; STORE MUPB SPECIFIED IN :USERS RECORD
204	*,*			
205		REF,1	JB:NFPBOL	OUTPUT; STORE FPOOLS SPECIFIED IN :USERS RECORD
206	*,*			
207		REF	J:ASSIGN	OUTPUT; BIT 3; SET READ NONE IF SPECIFIED IN :USERS RECORD
208	*,*			
209	*,*			OUTPUT; BIT 6; SET EXECUTE ONLY IF SPECIFIED IN :USERS RECORD
210	*,*			
211	*,*			OUTPUT; BIT 7; SET RESTRICTED PROCESSOR IF SPECIFIED IN :USERS RECORD
212	*,*			
213	*,*			
214		REF	PRDCRM	INPUT; MAXIMUM AMOUNT OF PERMANENT RAD SPACE AVAILABLE
215	*,*			
216	*,*			OUTPUT; SAVE PERMANENT RAD SPACE REMAINING
217	*,*			
218		REF	PRDPRM	INPUT; MAXIMUM AMOUNT OF PERMANENT PACK SPACE AVAILABLE
219	*,*			

220	*,*			OUTPUT; SAVE PERMANENT PACK SPACE
221	*,*			REMAINING
222		REF	TMDPRM	OUTPUT; SAVE TEMPORARY PACK SPACE
223	*,*			REMAINING
224		REF	TMDCRM	OUTPUT; SAVE TEMPORARY RAD SPACE
225	*,*			REMAINING
226		REF	TMPDCPK	OUTPUT; SAVE PEAK TEMPORARY RAD SPACE
227		REF	TMPDRPK	OUTPUT; SAVE PEAK TEMPORARY PACK SPACE
228		REF	UEXTACC	OUTPUT; USER'S EXTENDED ACCOUNTING
229	*,*			SPECIFIED AT LOGON TIME
230	*,*			INPUT; STORE EXTENDED ACCOUNTING
231	*,*			INFORMATION IN ASSIGN-MERGE RECORD
232	*,*			AT LOGON TIME
233		REF	M:LL	CLOSED AT LOGOFF TIME
234		REF	SV:RSIZ	EQU; SIZE OF RESOURCE NAME TABLE
235		REF	SH:RNM	INPUT; DETERMINE EXISTENCE OF
236	*,*			RESOURCES IN ;USERS RECORD
237		REF	JB:MAX	INPUT; SYSTEM DEFAULTS FOR RESOURCES
238		REF	SV:LIM	EQU; SERVICE LIMIT TABLE SIZE
239		REF	SL:NAME	INPUT; DETERMINE EXISTENCE OF SERVICE
240	*,*			LIMITS IN ;USERS RECORD
241		REF	SV:FITYM	EQU; LOGICAL DEVICE LIMIT TABLE SIZE
242		REF	SH:SYMT	INPUT; DETERMINE AUTHORIZATION FOR
243	*,*			LOGICAL DEVICES SPECIFIED IN ;USERS
244	*,*			RECORD
245		REF,2	JH:LDCF	OUTPUT; LOGICAL DEVICE CONTROL FLAGS
246	*,*			SET FOR LOGICAL DEVICES SPECIFIED
247	*,*			IN ;USERS RECORD
248		REF	TSTACK	INPUT/OUTPUT; PRESERVE REGISTERS
249		REF	SCRAM	SCRAMBLE PASSWORD
250		REF	COCLN	EQU; OFFSET INTO M;UC FOR LINE NUMBER
1*		REF	AM:HED	EQU; ASSIGN-MERGE HEAD (INDEX TO
2*	*,*			AVAILABLE AREA)
3*		REF	AM:ORG	EQU; POINTER TO AVAILABLE SPACE IN
4*	*,*			A=M RECORD
5*		REF	AM:LOG	EQU; LOGON TIME IN MINUTES FROM
6*	*,*			MIDNIGHT IN A=M RECORD

H01 18134 SEP 08, 1975

CP-V LOGON/LOGOFF

7*		REF	AM:STDOP	EQU; A/M RECORD COPY OF STANDARD SETTINGS FOR J:OPT
8*	**			
9*		REF	AMH:BILL	EQU; BILLING RATE IN A-M RECORD
10*		REF	AM:DATE	EQU; CREATION YEAR AND DAY IN A-M RECORD
11*	**			
12*		REF	AM:IXACC	EQU; ACCOUNTING INFO. IN A-M RECORD
13*		REF	AM:PRMAX	EQU;
14*		REF	AM:PRCUR	EQU;
15*		REF	AM:LNK	OUTPUT; EQU; ZERO OUT LINK TO FIRST ENTRY
16*	**			
251		SREF	M:ACINIT	INPUT; ADDRESS OF INSTALLATIONS
252	**			JOB INITIATION ACCOUNTING ROUTINE
1*		REF	S:COUP	COUPLING/LOGD CONTROL CELL
254	**			ALSO CONTROLS LOGGING OF UNSUCCESSFUL LOGON ATTEMPTS
255	**			FOR TELLING BC OF UNSUCCESSFUL ATTEMPT WHY DID JOHN DO THIS ONE
256		REF	M:OC	
257		DEF	DISPLINE	
258	EXT	LIST	LISTLOC	
259	EXT	UC	M:UC	
260	EXT	M:LOG	M:EO	
261	EXT	M:RATE	M:EO	
262	TEXT	SYSACCNT	' :SYS	
263	TEXT	SYSUNAME	'LBE	

		PAGE			
264					
265			* SYMBOLIC REGISTER DEFINITIONS		
266	00000000	R0	FQU	0	
267	00000001	R1	FQU	1	
268	00000002	R2	FQU	2	
269	00000003	R3	FQU	3	
270	00000004	R4	FQU	4	
271	00000005	R5	FQU	5	
272	00000006	R6	FQU	6	
273	00000007	R7	FQU	7	
274	00000008	SR1	FQU	8	
275	00000009	SR2	FQU	9	
276	0000000A	SR3	FQU	10	
277	0000000B	SR4	FQU	11	
278	0000000C	D1	FQU	12	
279	0000000D	D2	FQU	13	
280	0000000E	D3	FQU	14	
281	0000000F	D4	FQU	15	
282			* DISPLACEMENT VALUES FOR LOGIN RECORD		
283	00000000	LR:ACC	FQU	0	ACCOUNT
284	00000002	LR:USR	FQU	2	USER NAME
285	00000005	LR:FG	FQU	5	READ
286	00000006	LR:PW	FQU	6	PASSWORD
287	00000008	LR:ICPP	FQU	8	AUTO-CALL PASSWORD
288	0000000A	LR:ICPA	FQU	10	AUTO-CALL ACCOUNT
289	0000000C	LR:ICPN	FQU	12	AUTO-CALL PROCESSOR LMN NAME
290	0000000F	LR:BIL	FQU	15	BATCH,ON-LINE,GHOST BILLING
291	00000010	LR:PRIV	FQU	16	BATCH,ON-LINE,GHOST PRIVILEGE
292	00000012	LR:ARAD	FQU	18	ACCU, PERM RAD SPACE
293	00000014	LR:DMR	FQU	20	DEF AND MAX FILE RETENTION PERIODS
294	00000016	LR:ADIS	FQU	22	ACCU PERM DISK SPACE
295	00000018	LR:IEACCT	FQU	24	EXTENDED ACCOUNTING INFORMATION
296	0000001E	LR:IUNML	FQU	30	USER LIMIT SPECIFICATION TABLE (HALF)
297	0000003E	LR:IUML	FQU	62	ON-LINE LIMIT
298	0000004E	LR:IUGML	FQU	78	GHOST LIMIT
299	0000005E	LR:IUNMR	FQU	94	RESOURCE NAME TABLE (HALFWORD)
300	0000006A	LR:IUMR	FQU	106	ON-LINE RESOURCE VALUE (BYTE)

H01	18:34	SEP 08, 1975		CP-V LOGON/LOGOFF	31
301		0000006E	LR:UGMR EQU	110	GHOST RESOURCE VALUE(BYTE)
302		00000072	LR:UNMP EQU	114	PERIPHERAL NAME TABLE(HALFWORD)
303		0000007A	LR:UPFLG EQU	122	ON-LINE PERIPHERAL AUTHORIZATION(BYTE)
304		0000000F	LMTSZE EQU	15	SIZE OF LIMIT TABLES IN :USERS RECORD
305		00000004	ARS EQU	UC+4	ACTUAL RECORD SIZE OF LAST RECORD RE
306		0000007E	LOGRECSZ EQU	126	LOGON RECORD SIZE(NOW EXPANDED)
307		00000009	TRYERR EQU	5	ERROR RETRY COUNT
308		00000003	DCBER EQU	3	ERROR RETURN POINTER IN DCB
309		00000004	DCBAR EQU	4	ABNORMAL RETURN POINTER IN DCB
310		EXT	P:JIT EQU	J:JIT	FOR DISPLAY



311				PAGE		
312	04	00000		THISISIT	CSECT	1
313	04	00000		SECTION1	RES	0
314					BUND	8
315	04	00000	05D3D6C7 A	TXLOGON	TEXTC	!LOGON!
	04	00001	D6D54040 A			
316	04	00002	00C000CB	SLAVE	GEN,8,4,20	0,12,LOGON;C8C
317	04	00003	00000000 A		DATA	0
318	04	00004	08000000 A	MASTER	GEN,8,24	8,0
319	04	00005	01150000 A	NEWLINE	DATA	X'01150000'
320	04	00006	FFFF0000 A	YFFE	DATA	X'FFFFFF0000'
321	04	00007	03000000 A	Y03	DATA	X'03000000'
322	04	00008	0000FFFF A	XFFFF	DATA	X'FFFFFF'
323	04	00009	0001FFFF A	X1FFFF	DATA	X'1FFFFFF'
324		04	0000A	TEL	TXTC	'TEL'
325	04	0000B	7AE2FRE2 A	SYS	TEXT	SYSACNT
	04	0000C	40404040 A			
326	04	0000D	D3C2C540 A	SYSUSR	TEXT	SYSUNAME
	04	0000E	40404040 A			
	04	0000F	40404040 A			
327	04	00010	40404040 A	BLANKS	TEXT	' '
328	04	00011	E3C9D4C5 A	TIMKWD	TEXT	'TIME'
329	04	00012	1C07F7C5 A	TIM	GEN,16,16	X'1C07', 'XE'
330	04	00013	D9D6F740 A		TEXT	'R0X'
331	04	00014	C3D760E5 A		TEXT	'CP-V'
332	04	00015	40C1E340 A		TEXT	' AT '
333	04	00016	E8D6F4D9 A		TEXT	'Y0UR'
334	04	00017	40E2C5D9 A		TEXT	' SER'
335	04	00018	E5C9C3C5 A		TEXT	'VICE'
336	04	00019	07000000 A		GEN,8,24	X'07',0
337		04	0001A	ERID	TXTC	'ID'
338		04	0001B	ERAC	TXTC	'ACCOUNT'
339		04	0001E	EREXT	TXTC	'EXT: ACNT. LEFT OR RIGHT PAREN. MISSING'
340		04	00028	PASSWORD	TXTC	'PASSWORD'
341		04	0002B	NAMACT	TXTC	'ACCOUNT/ID'
342		04	0002E	IDMSG	TXTC	'LOGON PLEASE!'
343		04	00032	SORRY	TXTC	'SORRY, UNABLE TO LOG YOU OND! LAST BYTE IS EOT'

\*\*\*LOGON'S RETURN TO SLAVE MODE\*\*  
 NEW LINE MESSAGE

CP-V LOGON/LOGOFF

18134 SEP 08, 175  
 344 04 0003A  
 345 04 0003C  
 346 04 00043  
 347 04 0004B  
 348 04 0004C  
 349 04 0004U  
 350 04 00052  
 354 04 0005C  
 355 04 00063  
 356 04 0006A  
 357 04 00071  
 358 04 0007A  
 1\* 04 00083  
 360 04 0008U  
 361 04 00096  
 362 04 0009U  
 1\* 04 000A3

BNATM TXTC  
 DOWN TXTC  
 NBTHERE TXTC  
 SLASH TXTC  
 QUEST TXTC  
 MAILMSG TXTC  
 RDLGGNM TXTC  
 ARFMSG TXTC  
 RRFMSG TXTC  
 BPNRFMSG TXTC  
 FILEXMSG TXTC  
 PACKXMSG TXTC  
 LOFFMSG TXTC  
 AMERRMSG TXTC  
 HELDMSG TXTC  
 NBIMGMSG TXTC  
 BFFMSG TXTC

'BN AT '  
 'UNRECOVERABLE I/O ON RAD'  
 'ABNORMAL ERROR ON LOGON FILE'  
 '/'  
 ' '  
 'CHECK DC/MAILBOX'  
 'UNRECOVERABLE ERROR READING USERS FILE'  
 'UNABLE TO ACCESS RATE FILE'  
 'UNABLE TO READ RATE FILE'  
 'UNABLE TO OPEN RATE FILE'  
 'FILE STORAGE LIMIT EXCEEDED(RAD)'  
 'FILE STORAGE LIMIT EXCEEDED(PACK)'  
 'INSTALLATION PROHIBITS YOUR LOGGING ON'  
 'UNABLE TO WRITE ASSIGN-MERGE RECORD'  
 'PROGRAM HELD. RECONNECT '  
 'HELD PROGRAM TIMED OUT.'  
 'BFF'

\* ASSIGN/MERGE TABLE IMAGE

363  
 364 05 00000  
 365 05 0000U  
 1\* 05 00000  
 368 05 00000 00000000 A  
 05 00001 00000000 A  
 05 00002 00000000 A  
 05 00003 00000000 A  
 05 00004 00000000 A  
 05 00005 00000000 A  
 05 00006 00000000 A  
 05 00007 00000000 A  
 05 00008 00000000 A  
 369 05 00009  
 370 05 00009 40404040 A  
 05 0000A 40404040 A  
 05 0000B 40404040 A  
 371 05 0000C 00000000 A  
 372 05 0000D 00000000 A  
 373 05 0000E

CSECT 0  
 MERTAB FGU \$  
 DB1 9  
 DATA 0  
 DB1 3  
 DATA 0  
 DATA 0  
 DB1 6

DATA AREA  
 USER NAME (3 WDS)  
 X140404040!  
 LOGON TIME  
 BILLING TIME  
 EXT. ACCNT. FIELD (6 WDS)

374 05 0000E 40404040 A  
 05 0000F 40404040 A  
 05 00010 40404040 A  
 05 00011 40404040 A  
 05 00012 40404040 A  
 05 00013 40404040 A  
 375 05 00014 00000000 A  
 376  
 377 05 00015 2AE4D5E2 A  
 05 00016 E4C3C3C5 A  
 05 00017 E2E2C6E4 A  
 05 00018 D340D3D6 A  
 05 00019 C7D6D540 A  
 05 0001A C1E3F3C5 A  
 05 0001B D4D7F340 A  
 05 0001C D6D540D3 A  
 05 0001D C9D5C540 A  
 05 0001E 7B7B6840 A  
 05 0001F C9C47A40 A

DATA

X1404040401

DISPLINE DATA

0

SET TO 0 TO INHIBIT BAD LOGON MSG  
BEING SENT TO BC.

\* BADLOGON TEXTC

'UNSUCCESSFUL LOGON ATTEMPT ON LINE ##, ID!'

378  
 382  
 383  
 384  
 385  
 386  
 387  
 388  
 389  
 390  
 391  
 392  
 393  
 394  
 395 05 0020C  
 396 04 000A4  
 408 04 000A4 70200000 X  
 409 04 000A5 694000A9

LIST 0

- \* THIS PROCESSOR CONTAINS THE TWO ROUTINES: LOG-ON AND LOG-OFF.
- \* LOG-ON INITIALLY RECEIVES A USER REQUEST FOR SERVICE, ACCEPTS HIS IDENTIFYING DATA, TESTS FOR A LEGAL ACCOUNT AND REJECTS HIS REQUEST IF HE IS NOT AN AUTHORIZED USER. IF HE IS A VALID USER, HE IS SERVICED BY CALLING TEL, OR, IF PREVIOUSLY SPECIFIED, ANOTHER USER ASSOCIATED PROCESSOR.
- \* THE LOG-OFF ROUTINE IS CHARGED WITH THE CLEAN-UP WHEN A USER HAS COMPLETED A SESSION. IT WILL RELEASE TEMPORARY FILES, INITIATE THE I/O RUNDOWN PROCESS AND PERFORM THE USER ACCOUNTING FUNCTION.
- \* FOR THE LOG-ON PROCESS, ENTRY IS FROM THE MONITOR AS A RESULT OF A TERMINAL ACTION. A SKELETAL JIT IS PROVIDED WITH THE USER NUMBER AS SYSID.

LOGON	USECT	THISISIT	RESUME PT 1
	RES	0	
	LC	J:JIT	CHECK FOR GHOST MADE
	BCS,4	GHST	B/YES , SEE IF NON=CBC USER

CP-V LOGON/LOGOFF

410 04 000A6 32400000 F  
 411 04 000A7 69300415  
 412 04 000A8 680000CB  
 413  
 414 04 000A9  
 415 04 000A9 52100000 X  
 416 04 000AA 21100060 A  
 417 04 000AB 69400415  
 418 04 000AC 2210FFFF A  
 419 04 000AD 4B100001 N  
 420 04 000AE 2110F4C3 A  
 421 04 000AF 68300415  
 422 04 000B0 023000A0 A  
 423 04 000B1 74000000 X  
 424 04 000B2 04100490  
 425 04 000B3 04600004  
 426 04 000B4 33100000 X  
 427 04 000B5 33F00000 X  
 428 04 000B6 22100000 N  
 429 04 000B7 12200000  
 430 04 000B8 11220000 X  
 431 04 000B9 683000BC  
 432 04 000BA 641000B8  
 433 04 000BB 680000CB  
 434 04 000BC  
 435 04 000BC 12200000 X  
 436 04 000BD 15220000 X  
 437 04 000BE 75220000 X  
 438 04 000BF 15220000 X  
 439 04 000C0 22100000 N  
 440 04 000C1 35100000 X  
 441  
 442 04 000C2 22100000 N  
 443 04 000C3 683002BE  
 444 04 000C4 2210FFFF A  
 445 04 000C5 4B100000 X  
 446 04 000C6 75100000 X

\* MUST BE GHOST- SEE IF NON-CBC USER LOGGING ON, OR GHOST LOGOFF  
 GHST

RGHST

LW,R4 J:JIT+JACCN  
 BNEZ LOGOFF  
 B LOGON:CBC  
 EQU \*  
 LH,R1 M:UC  
 CI,R1 X'60'  
 BANZ LOGOFF  
 LI,R1 X'FFFF'  
 AND,R1 M:UC+1  
 CI,R1 'UC'  
 BE LOGOFF  
 LCFI 10  
 STCF J:JIT  
 CAL1,1 SETRES  
 CAL1,6 MASTER  
 MTW,1 S:GUIS  
 MTW,-1 S:GUIS  
 LI,R1 MAXG  
 LD,R2 TXLOGON  
 CD,R2 S:GJOBTL,R1  
 BE RGHST  
 BDR,R1 S=2  
 B LOGON:CBC  
 EQU \*  
 LD,R2 DOUBLEZER0  
 STD,R2 S:GJOBTL,R1  
 STB,R2 SB:GJOBUN,R1  
 STD,R2 S:GJOBACN,R1  
 LI,R1 JEUPVP  
 STW,R1 J:EUP  
 SREF RAS:CBP  
 LI,R1 RAS:CBP  
 BEZ N0:RES  
 LI,R1 X'FFFF'  
 AND,R1 J:JIT  
 STB,R1 RAS:CBP

N0, GET ACCOUNT FIELD  
 REGULAR USER LOGGING OFF  
 REGULAR USER LOGGING ON  
 IF UC IS OPEN/HAS BEEN OPEN, HE IS  
 ...LOGGING OFF  
 B/ M:UC IS OPEN  
 MASK TO PICK UP DEVICE NAME  
 DEVICE NAME (UC,MC,ETC...)  
 IF UC, THIS IS NOT A NON-CBC USER  
 LOG OFF REGULAR GHOST  
 MAKE THIS FLAG  
 FOR THE 'NON CBC' USER  
 SET ERR/ABN FOR IMPLICIT OPEN  
 GO MASTER MODE TO CHANGE LOW CORE  
 BUMP ONLINE USERS IN SYSTEM  
 DECREMENT GHOSTS IN SYSTEM  
 MAX LENGTH OF GHOST TABLES  
 BUR NAME IN TEXTC  
 FIND LOGON'S POSITION IN TABLES  
 GOTCHA  
 \*\*\*\*\*WEIRD\*\*\*\*\*  
 BLAST LOGON OUT OF THE GHOST TABLES  
 CLEAR USER NUMBER  
 CLEAR LOGON'S ACCOUNT NUMBER  
 LOWER USER'S VIRTUAL  
 TOP ADDRESS BELOW TEL.....  
 EXISTS ONLY IN 560 SYSTEMS  
 IS 560 SYSTEM  
 SHOULD HAVE NEVER HAVE GOTTEN HERE  
 OKAY - MASK TO PICK  
 UP USER NUMBER  
 SAVE IT FOR RAS HANDLER

18134 SEP 08, '75

CP-V LOGON/LOGOFF

447 04 000C7 22100002 A  
 448 04 000C8 22000000 A  
 449 04 000C9 75020000 X  
 450 04 000CA 0E000002  
 451 04 000CB 04800315  
 453 1\* 04 000CC 22200005  
 04 000CD 72300005  
 04 000CE 0410031C  
 04 000CF 22200012  
 04 000D0 72300012  
 04 000D1 0410031C  
 04 000D2 22200005  
 04 000D3 72300005  
 04 000D4 0410031C  
 2\* 04 000D5 04800331  
 455 04 000D6 22300010 A  
 456 04 000D7 22200000 N  
 04 000D8 0410032C  
 459 04 000D9  
 460 04 000D9 22200000 A  
 461 04 000DA 22300001 N  
 462 04 000DB 75260000 A  
 463 04 000DC 22300000 N  
 464 04 000DD 75260000 A  
 465 04 000DE 22300000 N  
 466 04 000DF 35260000 X  
 467 04 000E0 643000DF  
 468 04 000E1 32200010  
 469 04 000E2 32400010  
 470 04 000E3 32300010  
 471 04 000E4 02200030 A  
 472 04 000E5 25200000 F  
 473 04 000E6 25200000 X  
 474 04 000E7 02200020 A  
 475 04 000E8 25200000 F  
 476 04 000E9 22200005

LI,R1 2  
 LI,R0 0  
 STB,R0 RAS:CBP,R1  
 LPSD,0 SLAVE  
 LOGON:CBP EQU \$  
 CAL1,R 8 WAITS  
 TYPE NEWLINE,TIM,NEWLINE  
 CAL1,R 8 TIMER  
 LI,R3 16  
 TYPES TIMBUF  
 INQUIRE RES 0  
 LI,R2 0  
 LI,R3 JB:LPP+1  
 STB,R2 0,R3  
 LI,R3 JB:LPP  
 STB,R2 0,R3  
 LI,R3 RECSIZE  
 STW,R2 RECORD,R3  
 BDR,R3 \*-1  
 LW,R2 BLANKS  
 LW,R4 BLANKS  
 LW,R3 BLANKS  
 LCI 3  
 STM,R2 JUNAME+J:JIT  
 STM,R2 ACCOUNT  
 LCI 2  
 STM,R2 J:JIT+JACCN  
 TYPE NEWLINE,IDMSG

INDEX TO SET UP  
 BREAK SENT TO  
 THE RAS STATION  
 GOSLAVE AGAIN...

PRINT TIME

CLEAR TO ZERO WORKING STORAGE  
 SET LINE INDICATOR IN JIT TO TOP  
 OF PAGE  
 DISABLE PAGE EJECT

SAVE USER NAME

04 000EA 72300005  
 04 000EB 0410031C  
 04 000EC 2220002E  
 04 000ED 7230002E  
 04 000EE 0410031C  
 477 04 000EF 04100332  
 478 04 000FO 32300004 N  
 479 04 000F1 2530006F A  
 480 04 000F2 6AB0038D  
 481  
 482  
 483  
 484 04 000F3 22200000 N  
 485 04 000F4 22300000 N  
 486 04 000F5 22400000 A  
 487 04 000F6 22700008 A  
 488 04 000F7 6AB003DC  
 489 04 000F8 22200000 N  
 490 04 000F9 2270000C A  
 491 04 000FA 22500040 A  
 492 04 000FB 20400001 A  
 493 04 000FC F5580003 A  
 494 04 000FD 6AB003DC  
 495 04 000FE F5400003 A  
 496 04 000FF 02200020 A  
 497 04 00100 2AE00346  
 498 04 00101 46E00000 F  
 499 04 00102 46F00000 F  
 500 04 00103 04100338  
 501 04 00104 0410035C  
 502 04 00105 04100351  
 503 04 00106 02200020 A  
 504 04 00107 2BE00000 F  
 505  
 506  
 507  
 508 04 00108 31E00000 X

CAL1,1 INMSG READ RESPONSE  
 LW,R3 ARS PICK-UP INPUT BYTE COUNT  
 SLS,R3 =17 AND FIX IT AS COUNT IN R3  
 BAL,SR4 PARSE PARSE THE INPUT USER ID

\*  
 \* CONCATINATE ACCOUNT AND NAME FOR KEYED READ OF LOGIN FILE  
 \*

LI,R2 UACCOUNT  
 LI,R3 KEYBUFF  
 LI,R4 0 MAINTAINS BYTE COUNT  
 LI,R7 8 PUT IN LIMIT FOR ACCOUNT  
 BAL,SR4 CONCAT DO ACCOUNT  
 LI,R2 UNME  
 LI,R7 12 PUT IN LIMIT FOR NAME  
 LI,R5 X'40'  
 AI,R4 1  
 STB,R5 \*R3,R4 INSERT BLANK AFTER ACCT  
 BAL,SR4 CONCAT ADD NAME  
 STB,R4 \*R3 ADD BYTE COUNT TO KEY  
 LCI 2  
 LM,D3 SECAT PROVIDE SPECIAL ACCOUNT  
 XW,D3 J;JIT+UACCN  
 XW,D4 J;JIT+UACCN+1  
 OPENIT CAL1,1 OPENLOGON ATTEMPT TO OPEN LOGIN FILE  
 CAL1,1 LOGFILE KEYREAD THE LOGIN FILE  
 CAL1,1 CLOSE CLOSE FILE  
 LCI 2  
 STM,D3 J;JIT+UACCN RESTORE USERS ACCOUNT

\*  
 \* CHECK IF ACCOUNT IS VALID  
 \*

CW,D3 RECORD

Line	Time	Code	Address	Mode	Control	Options	Comments
509	04	00109	693002FB		BNE	BUMMER1	
510	04	0010A	31F00001	N	CW,D4	RECORD+1	
511	04	0010B	693002FB		BNE	BUMMER1	
512							
513							* PERFORM VALIDITY TEST ON SUPPLIED PASSWORD
514							
515	04	0010C	33000006	N	MTW,0	LR;PW+RECORD	WAS A PASSWORD SPEC'D
516	04	0010D	68300112		BEZ	LOGIT	NO
517	04	0010E	02200020	A	LCI	2	
518	04	0010F	2A200006	N	LM,R2	LR;PW+RECORD	DOES PASSWORD MATCH
519	04	00110	11200000	X	CD,R2	UPASSWD	
520	04	00111	6930024F		BNE	NOACCESS	NO, ERROR
521	04	00112			LOGIT	RES	
1*	04	00112	04800331		CAL1,8	TIMER	
2*	04	00113	22200000	N	LI,R2	AM:DATE	SAVE DATE FOR A-M RECORD
3*	04	00114	35840000	05	STW,SR1	MERTAB,R2	
4*	04	00115	6A800000	X	BAL,SR4	TIMEVERT	TIME ON TO TIMBUF1 (SECNDS FROM MID.)
5*	04	00116	22200005		TYPE	NEWLINE,ONATM	
	04	00117	72300005				
	04	00118	0410031C				
	04	00119	2220003A				
	04	0011A	7230003A				
	04	0011B	0410031C				
6*	04	0011C	22300010	A	LI,R3	16	
7*	04	0011D	22200000	N	TYPES	TIMBUF	
	04	0011E	0410032C				
522	04	0011F	32200000	X	LW,R2	UEXTACC	USE EXT. ACCTG. SPEC. AT LOGON TIME
523	04	00120	31200010		CW,R2	BLANKS	ANY SPECIFIED
524	04	00121	69300127		BNE	LOGIT10	YES
525	04	00122	223FFFFA	A	LI,R3	=6	NO, USE EXT. ACCTG. FROM :USERS RECO
526	04	00123			LOGIT5	RES	
527	04	00123	3226001E	N	LW,R2	RECORD+LR;EACCT+6,R3	
528	04	00124	68300127		BEZ	LOGIT10	
529	04	00125	35260006	N	STW,R2	UEXTACC+6,R3	
530	04	00126	65300123		BIR,R3	LOGIT5	
531	04	00127			LOGIT10	RES	
532	04	00127	32200000	F	LW,R2	M:UC+CBCLN	LOAD LINE NUMBER

533	04	00128	6A800000	X	BAL,SR4	BIN2HEX	CONVERT IT TO HEX
534	04	00129	22300001	A	LI,R3	1	
535	04	0012A	70200000	X	LC	J:JIT	IS THE RAS USER
536	04	0012B	6820012D		BCR,R2	S*2	NO
537	04	0012C	224004C3	A	LI,R4	'MC'	YEP FLAG HIM
538	04	0012D	55460001	N	STH,R4	8PMES+1,R3	PUT LINE NUMBER INTO MESSAGE TEXT
539	04	0012E	22100000	A	LI,R1	0	
540	04	0012F	72220000	F	COMPRS	LB,R2	J:JIT+JACCN,R1
541	04	00130	21200040	A	CI,R2	' '	GET ACCOUNT FROM JIT
542	04	00131	68300137		BE	NEXT	WAS END OF NAME REACHED
543	04	00132	75260002	N	STB,R2	8PMES+2,R3	YES; GO GET ACCOUNT, OTHERWISE
544	04	00133	20300001	A	AI,R3	1	PUT NAME INTO 8PMES
545	04	00134	20100001	A	AI,R1	1	INCREMENT MESSAGE POINTER
546	04	00135	21100008	A	CI,R1	8	INCREMENT JIT POINTER
547	04	00136	6910012F		BL	COMPRS	HAS END OF ACCOUNT BEEN REACHED
548	04	00137	2220006B	A	NEXT	LI,R2	NO;
549	04	00138	75260002	N	STB,R2	8PMES+2,R3	PUT A COMMA INTO MESSAGE AFTER NAME
550	04	00139	20300001	A	AI,R3	1	INCREMENT MESSAGE POINTER
551	04	0013A	22100000	A	LI,R1	0	LOAD JIT POINTER
552	04	0013B	72220000	X	NEXLOOP	LB,R2	GET USER NAME
553	04	0013C	21200040	A	CI,R2	' '	HAS END OF ACCOUNT BEEN REACHED
554	04	0013D	68300143		BE	8UT1	YES;
555	04	0013E	75260002	N	STB,R2	8PMES+2,R3	PUT ACCOUNT INTO MESSAGE
556	04	0013F	20300001	A	AI,R3	1	INCREMENT MESSAGE POINTER
557	04	00140	20100001	A	AI,R1	1	INCREMENT JIT POINTER
558	04	00141	2110000C	A	CI,R1	12	HAS END OF NAME BEEN REACHED
559	04	00142	6910013B		BL	NEXLOOP	NO;
560	04	00143	20300007	A	8UT1	AI,R3	YES;
561	04	00144	75300000	X	STB,R3	8PMES	STORE BYTE COUNT INTO MESSAGE
562	04	00145	22200000	N	SEND	8PMES	SEND MESSAGE TO OPERATOR
565							
566	04	00147	22200000	A	**CLEAR	J:ABUF AND J:TELFLGS IN JIT	
567	04	00148	35200000	X	LI,R2	0	CLEAR J:ABUF AND J:TELFLGS IN JIT
568	04	00149	35200000	F	STW,R2	J:ABUF	
569					STW,R2	J:JIT+JTELFLGS	
570	04	0014A	22300001	N	**PRIVILEGE		
					LI,R3	BA(RECORD+LR:PRIV)+1	



M01

18:34 SEP 08, '75

CP-V LOGON/LOGOFF

40

571	04	0014B	72260000	A	LB,R2	0,R3		
572	04	0014C	21200000	A	CI,R2	0	DOES THE BYTE HAVE SOMETHING IN IT	
573	04	0014D	68300150		BE	OUT3	NO.	
574	04	0014E	22300000	N	LI,R3	JB:PRIV		
575	04	0014F	75260000	A	STB,R2	0,R3	STORE PRIVELEGE INTO JIT	
576					**FILE READ ('ALL'=0, 'NONE'=1)			
577	04	00150	32200005	N	OUT3	LW,R2	RECORD+LR:FG	GET THE DESIRED RECORD
578	04	00151	31200503		CW,R2	#X'80000000'		
579	04	00152	68400155		BAZ	#*3	OPTION BIT NOT SET (IE READ ALL)	
580	04	00153	32300504		LW,R3	#X'10000000'		
581	04	00154	47300000	X	STS,R3	J:ASSIGN	SET BIT 3 IN J:ASSIGN(READ NONE)	
582					**EXEC. ONLY(XOS), RESTR. PROCESSOR(RP), SECURITY(SE)			
583	04	00155	22300002	A	LI,R3	2	IF SECURITY BIT SET	
584	04	00156	48300002	A	AND,R3	R2		
585	04	00157	6830015C		BEZ	OUT3A		
586	04	00158	22100000	N	LI,R1	JB:PRIV	SET BIT 2 IN JB:PRIV	
587	04	00159	72620000	A	LB,R6	0,R1		
588	04	0015A	49600003	A	BR,R6	R3		
589	04	0015B	75620000	A	STB,R6	0,R1		
590	04	0015C			OUT3A	EQU	#	
591	04	0015C	25200016	A	SLS,R2	22	STORE XOS AND RP BITS INTO JIT	
592	04	0015D	32300007		LW,R3	Y03		
593	04	0015E	47200000	X	STS,R2	J:ASSIGN		
594					**FILE RETENTION PERIODS			
595					*** NONE=0(DEFAULT), NEVER=-FFFF			
596	04	0015F	52200014	N	LH,R2	RECORD+LR:DMR	GET DEF. RETN. PERIOD	
597	04	00160	68300162		BEZ	#*2	IF ZERO, USE DEFAULT IN JIT	
598	04	00161	55200000	X	STH,R2	J:XP	STORE INTO JIT	
599	04	00162	22300001	A	LI,R3	1		
600	04	00163	52260014	N	LH,R2	RECORD+LR:DMR,R3	GET MAX. RETN. PERIOD	
601	04	00164	68300166		BEZ	OUT4	USE DEFAULT	
602	04	00165	55260000	X	STH,R2	J:XP,R3	STORE INTO JIT	
603					**FILE EXTENSION BITS			
604	04	00166	2221FFFF	A	OUT4	LI,R2	X'1FFFF'	
605	04	00167	35200000	F	STW,R2	J:JIT+JCPP0	STORE FILE EXT	
606					**RESOURCE			
607	04	00168	22100000	N	LI,R1	SV:RSIZ	GET RESOURCE LIMIT TABLE SIZE	

608	04	00169	52220000	X	BUT5A	LH,R2	SH;RNM,R1	GET RESOURCE NAME
609	04	0016A	68300180			BEZ	BUT5F	IF ZERO GET NEXT
610	04	0016B	2230000F	A		LI,R3	LMTSIZE	
611	04	0016C	5126005E	N	BUT5B	CH,R2	RECORD+LR;UNMR,R3	WAS RESOURCE FOUND IN ;USERS RECORD
612	04	0016D	69300171			BNE	BUT5C	NO
613	04	0016E	7266006A	N		LB,R6	RECORD+LR;UBMR,R3	GET ;USERS VALUE
614	04	0016F	225000FF	A		LI,R5	255	FLAG FROM USER'S RECORD
615	04	00170	68000178			B	BUT5E	
616	04	00171	6430016C		BUT5C	BDR,R3	BUT5B	
617	04	00172	72620000	X		LB,R6	JB;MAX,R1	NO, USE SYSTEM DEFAULT
618	04	00173	225FFF01	A		LI,R5	=255	FLAG FROM SYSTEM DEFAULT TABLE
619	04	00174	4B200008		BUT5D	AND,R2	XFFFF	IF RESOURCE='C0', CHANGE TO PAGES
620	04	00175	2120C3D6	A		CI,R2	'C0'	
621	04	00176	69300178			BNE	BUT5E	
622	04	00177	30600006	A		AW,R6	R6	
623	04	00178			BUT5E	EQU	*	
624	04	00178	4B200008			AND,R2	XFFFF	MASK NAME
625	04	00179	2120D4C3	A		CI,R2	'MC'	SPECIAL CASE NAME
626	04	0017A	6930017F			BNE	BUT5EA	NOPE
627	04	0017B	21500000	A		CI,R5	0	DID R6 COME FROM USER'S RECORD
628	04	0017C	691002C1			BLZ	JCUSRERR	CANNOT ACCEPT USER
629	04	0017D	21600000	A		CI,R6	0	IF FROM ;USERS RECORD IS NON ZERO
630	04	0017E	683002C1			BEZ	JCUSRERR	NOPE = CANNOT ALLOW USER ON
631					*			
632					*			USER DID NOT HAVE AN MC RESOURCE ASSIGNMENT IN HIS
633					*			;USERS RECORD - AND WE NOW OWN THE DARN THING - SO
634					*			WE'RE GONNA EXIT THE SYSTEM AFTER TELLING THE USER
635					*			AND OPERATOR WHY.
636					*			
637	04	0017F			BUT5EA	EQU	*	
638	04	0017F	75620000	X		STB,R6	JB;MAX,R1	STORE MAX VALUE FOR RESOURCE
639	04	00180	64100169		BUT5F	BDR,R1	BUT5A	
640					**SERVICE			
641	04	00181	22100000	N		LI,R1	SV;LIM	GET SERVICE LIMIT TABLE SIZE
642	04	00182	32220000	X	BUT6A	LW,R2	SL;NAME,R1	GET SERVICE LIMIT NAME
643	04	00183	2230000F	A		LI,R3	LMTSIZE	
644	04	00184	3126001E	N	BUT6B	CW,R2	RECORD+LR;UNML,R3	WAS LIMIT FOUND IN ;USERS RECORD

H01 18:34 SEP 08, '75

CP=V LOGON/LOGOFF

42

645	04	00185	68300188		BE	OUT6C	YES
646	04	00186	64300184		BDR,R3	OUT6B	
647	04	00187	68000195		B	OUT6F	NOT FOUND
648	04	00188	3266003E	N	OUT6C	LW,R6	RECORD+LR:U0ML,R3 GET :USERS VALUE
649	04	00189	31200011		OUT6E	CW,R2	TIMKWD IGNORE 'TIME' AS N/A TO ON-LINE USER
650	04	0018A	68300195		BE	OUT6F	
651	04	0018B	22500000	N	LI,R5	J:JIT	
652	04	0018C	322203EA		LW,R2	LIMINF0,R1	GET STORAGE INFO.
653	04	0018D	72400002	A	LB,R4	R2	SHIFT VALUE AND RESOLUTION
654	04	0018E	29680200	A	SCS,R6	0,R4	VALUE TO PROPER FIELD WITHIN JIT WOR
655	04	0018F	2940007A	A	SLS,R4	=6	RESOLUTION
656	04	00190	227FFFFFF	A	LI,R7	=1	LOAD PROPER MASK
657	04	00191	21100006	A	CI,R1	LIMINF0A	
658	04	00192	68100194		BGE	*+2	
659	04	00193	32700006		LW,R7	YFFFE	
660	04	00194	670803E6		EXU	LIMSTORE,R4	STORE IT
661	04	00195	64100182		OUT6F	BDR,R1	OUT6A GO GET NEXT LIMIT NAME
662					**PERM	RAD SPACE	RMNG = PERM RAD SPACE LIMIT = ACCU PERM RAD SPACE
663	04	00196	32200000	F	LW,R2	J:JIT+PRDCRM	GET LIMIT FROM JIT
664	04	00197	38200012	N	SW,R2	RECORD+LR:ARAD	GET ACCU. RAD SPACE FROM :USERS
665	04	00198	681001A3		BGEZ	OUT8	
666	04	00199	22200005		TYPE	NEWLINE,FILEXMSG,NEWLINE	
	04	0019A	72300005				
	04	0019B	0410031C				
	04	0019C	22200071				
	04	0019D	72300071				
	04	0019E	0410031C				
	04	0019F	22200005				
	04	001A0	72300005				
	04	001A1	0410031C				
667					*E*	MESSAGE: FILE STORAGE LIMIT EXCEEDED (RAD)	
668	04	001A2	22200000	A	LI,R2	0	MINUS ACCU. SET=0
669	04	001A3	35200000	F	OUT8	STW,R2	J:JIT+PRDCRM
670					**PERM	PACK SPACE	RMNG = PERM PACK LIMIT = ACCU. PERM PACK SPACE
671	04	001A4	32200000	F	LW,R2	J:JIT+PRDCRM	GET LIMIT FROM JIT
672	04	001A5	38200016	N	SW,R2	RECORD+LR:ADIS	GET ACCU. PACK SPACE FROM :USERS
673	04	001A6	681001B1		BGEZ	OUT9	

H01 18134 SEP 08, 1975

CP-V LOGON/LOGOFF  
NEWLINE,PACKXMSG,NEWLINE

43

674 04 001A7 22200005  
 04 001A8 72300005  
 04 001A9 0410031C  
 04 001AA 2220007A  
 04 001AB 7230007A  
 04 001AC 0410031C  
 04 001AD 22200005  
 04 001AE 72300005  
 04 001AF 0410031C

675  
 676 04 001B0 22200000 A  
 677 04 001B1 35200000 F  
 678  
 679 04 001B2 22700001 A  
 680 04 001B3 22400072 N  
 681 04 001B4 2250007A N  
 682 04 001B5 6A8003FB  
 683  
 684  
 685  
 686 04 001B6  
 687 04 001B6 04100362  
 688 04 001B7 0410036F  
 689 04 001B8 22200005  
 04 001B9 72300005  
 04 001BA 0410031C  
 04 001BB 2220004D  
 04 001BC 7230004D  
 04 001BD 0410031C  
 04 001BE 22200005  
 04 001BF 72300005  
 04 001C0 0410031C

\*E\* MESSAGE: FILE STORAGE LIMIT EXCEEDED (PACK)  
 LI,R2 0 MINUS ACCU. SET=0  
 BUT9 STW,R2 JIJIT+PRDPRM  
 \*\*LOGICAL DEVICE CONTROL FLAGS  
 LI,R7 1 SET LOGICAL DEVICE CONTROL FLAGS  
 LI,R4 RECBRD+LR:UNMP  
 LI,R5 RECBRD+LR:UPFLG  
 BAL,SR4 SETLDCF

\*  
 \* RELEASE THE LOGIN DCB AND EXIT.  
 \*

CLEANUP RES 0  
 CAL1,1 OPENMAIL OPEN MAILBOX TO SEE IF THERES MAIL  
 CAL1,1 CLSMAIL IT'S THERE. CLOSE MAILBOX  
 RETREQ TYPE NEWLINE,MAILMSG,NEWLINE NOTIFY USER

690  
 691  
 692  
 693  
 694 04 001C1 3260000C N

\*E\* MESSAGE: CHECK D/C MAILBOX  
 \*  
 \* PERFORM AUTO-CALL LOGIC  
 \*  
 AUTOCALL LW,R6 LR:CPN+RECORD AUTO-CALL PROCESSOR

695 04 001C2 693001CA  
 696 04 001C3 3260000A  
 697 04 001C4 32700010  
 698 04 001C5 32800010  
 699 04 001C6 02200020 A  
 700 04 001C7 2AD0000B  
 701 04 001C8 22500000 N  
 702 04 001C9 680001D3  
 703 04 001CA 3270000D N  
 704 04 001CB 3280000E N  
 705 04 001CC 02200020 A  
 706 04 001CD 2AD0000A N  
 707 04 001CE 2AA00008 N  
 708 04 001CF 02200030 A  
 709 04 001D0 28600000 X  
 710 04 001D1 22000040 A  
 711 04 001D2 75000000 X

BNEZ AUTOEXIT YES  
 LW,R6 TEL CALL TEL PROCESSOR  
 LW,R7 BLANKS  
 LW,SR1 BLANKS  
 LCI 2 SYSTEM  
 LM,D2 SYS ACCOUNT  
 LI,R5 JIJIT  
 B WRITEAMR  
 LW,R7 LR:CPN+1+RECORD PICK UP 2ND WD PRBC NAME  
 LW,SR1 LR:CPN+2+RECORD PICK UP 3RD WD PRBC NAME  
 LCI 2  
 LM,D2 LR:CPA+RECORD PICK UP ACCT BF PRBC  
 LM,SR3 LR:CPP+RECORD PICK UP PRBC PASSWD  
 LCI 3  
 STM,R6 J:CCBUF  
 LI,R0 ' '  
 STB,R0 J:CCBUF

\*NOW THAT ALL NEC. INFO. IN LOG REC PROCESSED,  
 \*PREPARE AND WRITE THE ASSIGN-MERGE RECORD  
 \*LOGON DATE ALREADY STORE INTO A-M IMAGE AFTER THE TIME CALL

712  
 713  
 722  
 723  
 1\* 04 001D3  
 2\* 04 001D3 22100000 05  
 3\*  
 4\* 04 001D4 22300000 N  
 5\* 04 001D5 35320000 X  
 6\*  
 7\* 04 001D6 32300000 X  
 8\* 04 001D7 35320000 X  
 726  
 727 04 001D8 22300001 N  
 728 04 001D9 72260000 A  
 1\* 04 001DA 683001DD  
 2\* 04 001DB 22300000 N  
 3\* 04 001DC D5260001 A  
 4\*  
 5\* 04 001DU

\*  
 WRITEAMR EQU \$  
 LI,R1 MERTAB  
 \*  
 LI,R3 AM:HEB STORE POINTER TO AVAILABLE  
 STW,R3 AM:ORG,R1  
 \*  
 LW,R3 TIMBUF1 STORE LOGON TIME  
 STW,R3 AM:LOG,R1  
 \*  
 LI,R3 BA(RECORD+LR:IBIL)+1 GET RATE STRUCTURE FROM LOG REC  
 LB,R2 O,R3  
 BEZ WRAM1  
 LI,R3 HA(AMH:BILL)  
 STH,R2 \*R1,R3 STORE RATE STRUCTURE IN LEFT HALFWD  
 \*  
 WRAM1 EQU \$

18134 SEP 08, 175

CP-V LOGON/LOGOFF

741	04	001DD	32200000	F	LW,R2	J:JIT+PRDCRM	PERM RAD SPACE RMNG AT LOGON
1*	04	001DE	35220014	N	STW,R2	AM:BRG+20,R1	
743					*		
744	04	001DF	32200000	F	LW,R2	J:JIT+PRDPRM	PERM PACK SPACE RMNG AT LOGON
1*	04	001EO	35220015	N	STW,R2	AM:BRG+21,R1	
2*					*		
3*	04	001E1	32200000	X	LW,R2	STD8PT	MOVE DEFAULT FOR
4*	04	001E2	35220000	X	STW,R2	AM:STD8P,R1	J:8PT TO A/M RECORD
5*					*		
6*	04	001E3	22200000	A	LI,R2	0	INITIALIZE TO ZERO
7*	04	001E4	35220000	X	STW,R2	AM:PRMAX,R1	
8*	04	001E5	35220000	X	STW,R2	AM:PRCUR,R1	
9*	04	001E6	35220000	X	STW,R2	AM:LNK,R1	SET LINK = 0
746					*		
1*	04	001E7	223FFFFA	A	LI,R3	=6	
2*	04	001E8	32260006	N	WRAM2	LW,R2	UEXTACC+6,R3
3*	04	001E9	35220000	X	STW,R2	AM:XACC,R1	STORE EXT. ACCT. INFO.
4*	04	001EA	20100001	A	AI,R1	1	
5*	04	001EB	653001E8		BIR,R3	WRAM2	
6*					*		
7*	04	001EC	22100000	N	LI,R1	M:EB	
8*	04	001ED	22F0030B		LI,D4	AMWERR	
9*	04	001EE	04100372		CAL1,1	SETEABN	SET ERR/ABN ADDRESSES
10*	04	001EF	04100358		CAL1,1	AMR	WRITE A-M RECORD
748					*		
749					*		
750					*		
751					*		
752					*		
753					*		
754					*		
755					*		
756	04	001FO	22F00000	N	LI,D4	M:ACINIT	
757	04	001F1	68300203		BEZ	EVTHN0K	
758	04	001F2	22300000	N	LI,R3	RECORD	
759	04	001F3	22500000	N	LI,R5	J:JIT	
760	04	001F4	EAF0000F	A	BAL,D4	*D4	

\* NOW THAT AUTH0ZN. CHECKS ARE MADE, EXIT TO THE INSTALLATION JOB  
 \* INITIATION ROUTINE VIA REG. 15  
 \* REG.3 CONTAINS THE ADDRESS OF IMAGE OF LOGON REC. AND REG.5 THAT  
 \* OF JIT. THE INSTALLATION CAN THEN POLICE THE JOB AND /OR  
 \* MODIFY THE JIT  
 \* UPON RETURN, IF REG.3 SET TO 0, THE JOB WILL BE AUTO. LOGGED OFF  
 \* REG.S EXCEPT 3 ARE EXPECTED TO BE INTACT  
 \*

NO1 18:34 SEP 08, 1975

CP-V LOGON/LOGOFF

46

761 04 001F5 21300000 A  
 762 04 001F6 69300203  
 763 04 001F7 22200005  
 04 001F8 72300005  
 04 001F9 0410031C  
 04 001FA 22200083  
 04 001FB 72300083  
 04 001FC 0410031C  
 04 001FD 22200005  
 04 001FE 72300005  
 04 001FF 0410031C

CI,R3 0  
 BNE EVTHN0K  
 TYPE NEWLINE,LOFFMSG,NEWLINE

1\*  
 765  
 766  
 1\* 04 00200 222000A3  
 04 00201 04200000 X  
 2\* 04 00202 6800042D  
 768 04 00203 02200030 A  
 769 04 00203 2A000000 X  
 770 04 00204 25000000 F  
 771 04 00205 04800376  
 772 04 00206 68800496  
 773 04 00207 22000000 A  
 774 04 00208 75000000 F  
 779 04 00209 75000000 F  
 780 04 0020A 35000006 N  
 781 04 0020B 35000007 N  
 782 04 0020C 22000036 A  
 783 04 0020E 22100000 N  
 784 04 0020F 75020000 A  
 785 04 00210 22100000 N  
 786 04 00211 20000001 A  
 787 04 00212 75020000 A  
 788 04 00213 2200005C A  
 789 04 00214 6AF004AE

\*E\* MESSAGE: INSTALLATION PROHIBITS YOUR LOGGING ON  
 \*E\* DESCRIPTION: THE USER IS PROHIBITED BY THE INSTALLATION  
 \*E\* TO HAVE ANY FURTHER ACCESS TO THE SYSTEM.  
 SEND OFFMSG NOTIFY OPERATOR USER IS LOGGED OFF  
 B LOGOFFX1 AVOID WRITING ACCOUNTING RECORD  
 EVTHN0K EQU \$  
 LCI 3  
 LM,R0 ACCBUNT PUT USER NAME INTO JIT  
 STM,R0 JI:JIT+JUNAME  
 CAL1,8 FSI  
 BCR,8 RECONNECT WE'VE GOT A HELD PROGRAM  
 NBCONNECT EQU \$  
 LI,R0 0  
 STB,R0 JI:JIT+JRNST INSURE ERROR CELLS ARE NULL  
 STB,R0 JI:JIT+JABC  
 STW,R0 LR:PW+RECORD CLOBBER THE PASSWORD TO PREVENT  
 STW,R0 LR:PW+RECORD+1 FUTURE PAGE USERS FROM STEALING IT.  
 LI,R0 54 DEFAULT LINES/PAGE  
 LI,R1 JB:LPP SET UP JIT FOR TOP OF PAGING BY  
 STB,R0 0,R1  
 LI,R1 JB:LC  
 AI,R0 1  
 STB,R0 0,R1  
 LI,0 1\*!  
 BAL,15 WRLOGD GO WRITE !LOGD RECORD.

H01 18134 SEP 08, '75  
792 04 00215 22000000 A  
793 04 00216 04100316  
794 04 00217 22100000 N  
795 04 00218 75020000 A  
797 04 00219 04900001 A

CP-V LOGON/LOGOFF  
LI,R0 0  
CAL1,1 N0MSG  
LI,R1 JB:LPP  
STB,R0 0,R1  
CAL1,9 1

47  
SET UP FOR AUTO-CALL  
SET MUC BTD TO ZERO FOR TEL  
BA(LINES/PAGE)  
STOP FURTHER PAGE HEADINGS(PLATEN,0)  
INTERPRETIVE EXIT



801			PAGE		
802			*		
803			* A SYNTAX ERROR HAS BEEN FOUND IN USER INPUT.		
804			*		
805	04	0021A	6AB00234	SYNTAXA BAL,SR4 TRIES	NO USER NAME PROVIDED-CHECK TRIES
806	04	0021B	2220001B	TYPE ERAC	SEND 'ACCOUNT ' MESSAGE
	04	0021C	7230001B		
	04	0021D	0410031C		
807			*E*	MESSAGE: ACCOUNT	
808			*E*	DESCRIPTION: THE ACCOUNT FIELD CONTAINED TOO MANY CHARACTERS.	
809	04	0021E	68000230	B SYNPRINT	
810	04	0021F		SYNTAX RES 0	GARBLED MSG-TOO MANY CHARACTERS
811	04	0021F	4B800009	AND,SR1 X1FFFF	
812	04	00220	2180049D	CI,SR1 RCAL1+1	DID WE COME FROM RECONNECT
813	04	00221	68300496	BE RECONNECT	YES-GO RIGHT BACK
814	04	00222	6AB00234	BAL,SR4 TRIES	SEE IF TOO MANY TRIES
815	04	00223	32200004 N	LW,R2 ARS	
816	04	00224	2520006F A	SLS,R2 =17	GET THE ACTUAL RECORD SIZE
817	04	00225	0410034D	CAL1,1 ECHOWTE	SEND MESSAGE BACK TO USER
818	04	00226	68000256	B ACT1	
819	04	00227	6AB00234	SYNTAXB BAL,SR4 TRIES	NO USER ACCOUNT PROVIDED
820	04	00228	2220001A	TYPE ERID	SEND 'ID ' MESSAGE
	04	00229	7230001A		
	04	0022A	0410031C		
821			*E*	MESSAGE: ID	
822			*E*	DESCRIPTION: EITHER A USER NAME WAS NOT SPECIFIED OR CONTAINED	
823			*E*	TOO MANY CHARACTERS.	
824	04	0022B	68000230	B SYNPRINT	
825	04	0022C	6AB00234	SYNTAXC BAL,SR4 TRIES	EXTENDED ACC. INFO, ERROR
826	04	0022D	2220001E	TYPE EREXT	SEND 'EXTENDED ACCOUNTING '
	04	0022E	7230001E		
	04	0022F	0410031C		
827			*E*	MESSAGE: EXT. ACNT. LEFT OR RIGHT PAREN. MISSING	
828	04	00230		SYNPRINT RES 0	
829	04	00230	22100000 N	LI,R1 M:EB	
830	04	00231	22F00000 A	LI,D4 0	RESET ERR/ABN ADDRESS
831	04	00232	04100372	CAL1,1 SETEABN	

832 04 00233 680000D9  
 833  
 834  
 835  
 836 04 00234 32200000 X  
 837 04 00235 20200001 A  
 838 04 00236 35200000 X  
 839 04 00237 21200005 A  
 840 04 00238 E910000B A  
 841 04 00239  
 842  
 843 04 00239 22200005  
 04 0023A 72300005  
 04 0023B 0410031C  
 04 0023C 22200032  
 04 0023D 72300032  
 04 0023E 0410031C  
 844 04 0023F 33000014 05  
 845 04 00240 6830024D  
 846 04 00241 222000FF A  
 847 04 00242 45200000 F  
 848 04 00243 6AB00000 X  
 849 04 00244 5540001E 05  
 850 04 00245 22200000 N  
 851 04 00246 52300004 N  
 852 04 00247 2530007F A  
 853 04 00248 21300020 A  
 854 04 00249 68200248  
 855 04 0024A 22300020 A  
 856 04 0024B 04200381  
 857 04 0024C 0410037C  
 858 04 0024D  
 859 04 0024D 22600000 A  
 861 04 0024E 04900001 A  
 865  
 866  
 867

B RETRY LOG=0N

\*  
 \* MAINTAIN AND TEST THE RETRY COUNT.  
 \*

TRIES LW,R2 ERRTRY PICK-UP ACCUMULATED RETRY COUNT  
 AI,R2 1 KICK IT UP  
 STW,R2 ERRTRY SAVE IT  
 CI,R2 TRYERR AND TEST FOR LIMIT  
 BL \*SR4 NOT REACHED

TRIES1 RES 0  
 \*E\* MESSAGE: SORRY, UNABLE TO LOG YOU ON  
 TYPE NEWLINE,SORRY

MTW,0 DISPLINE ARE WE TO DISPLAY BAD LOGON TO BC  
 BEZ N00CMSG NOPE  
 LI,R2 XIFF'  
 AND,R2 M:UC+C0CLN GET LINE #  
 BAL,SR4 BIN2HEX  
 STH,R4 BADLOGON+9 MOVE LINE # TO MESSAGE BUFFER  
 LI,R2 RECORD  
 LH,R3 ARS  
 SLS,R3 =1  
 CI,R3 32 TRUNCATE BAD ID AT 32 CHARS  
 BLE \*+2  
 LI,R3 32  
 CAL1,2 BADLGMSG  
 CAL1,1 MESSAGE  
 N00CMSG EQU \*  
 LI,R6 0 CLEAR FOR EXIT CAL  
 CAL1,9 1 DITCH USER - HE BLEW IT

\*  
 \* Clobber the password to prevent future users of this page from  
 \* stealing it.

868  
 869 04 0024F 32200010  
 870 04 0024F 32200010  
 871 04 00250 35200006 N  
 872 04 00251 35200007 N  
 879  
 880  
 881  
 882 04 00252 6AB000234  
 883 04 00253 22200028  
 04 00254 72300028  
 04 00255 0410031C  
 884 04 00256 2220004C  
 885 04 00256 2220004C  
 04 00257 7230004C  
 04 00258 0410031C  
 1\*  
 2\*  
 3\*  
 4\*  
 5\* 04 00259 32200010  
 6\* 04 0025A 32300010  
 7\* 04 0025B 15200000 X  
 8\*  
 9\*  
 10\*  
 11\* 04 0025C 22200006 A  
 12\* 04 0025D 3535FFFF N  
 13\* 04 0025E 6420025D  
 886 04 0025F 68000230

\*  
 NBACCESS FGU \$  
 LW,R2 BLANKS  
 STW,R2 LR:PW+RECORD  
 STW,R2 LR:PW+RECORD+1  
 \*  
 \* PUT OUT INVALID PASSWORD MESSAGE  
 \*  
 BAL,SR4 TRIES  
 TYPE PASSWORD  
 ACT1 RES 0  
 TYPE QUEST  
 \*  
 \* REINITIALIZE UPASSWD TO REMOVE RESIDUE FROM PREVIOUS LOGON ATTEMPT  
 \* BEFORE RETURNING.  
 \*  
 LW,R2 BLANKS  
 LW,R3 BLANKS  
 STD,R2 UPASSWD  
 \*  
 \* REINITIALIZE UEXTACC TO REMOVE RESIDUE FROM PREVIOUS LOGON ATTEMPT  
 \* BEFORE RETURNING.  
 LI,R2 6  
 STW,R3 UEXTACC=1,R2  
 BDR,R2 \$=1  
 B SYNPRINT

PAGE

\*\*\*\*\*

\* THE FOLLOWING IS ENTERED AS A RESULT OF AN I/O ERROR DURING THE READ  
\* OF THE LOGIN FILE. THE CURRENT IMPLEMENTATION NOTIFIES THE USER THAT  
\* AN UNRECOVERABLE I/O ERROR HAS OCCURED DURING THE LOG-ON PROCESS AND  
\* HE CANNOT CONTINUE. A LATER IMPLEMENTATION WOULD BE TO INITIATE  
\* MONITOR RECOVERY PROCEDURES, IF AND WHEN AVAILABLE.  
\*  
\*

887  
888  
889  
890  
891  
892  
893  
894  
895  
896 04 00260  
897 04 00260 04100354  
898 04 00261 04100351  
899 04 00262 7220000A A  
904 04 00263 6AB00000 X  
04 00264 2220007E A  
04 00265 75200004 A  
04 00266 35400003 N  
905 04 00267 22200005  
04 00268 72300005  
04 00269 0410031C  
04 0026A 2220003C  
04 0026B 7230003C  
04 0026C 0410031C  
906  
907  
908  
909 04 0026D 22200052  
04 0026E 04200000 X  
04 0026F 22200000 N  
04 00270 04200000 X  
910  
911  
912  
913  
914 04 00271 68000239

IOERROR RES 0  
CAL1,1 NORETURN IGNORE ERROR RETURNS  
CAL1,1 CLOSE CLOSE LOGON FILE  
LB,R2 SR3 RIGHT JUSTIFY ERROR CODE IN R2  
SETERROR R2 BUILD ERROR CODE MESSAGE

TYPE NEWLINE,DOWN TELL USER

\*E\* MESSAGE: UNRECOVERABLE I/O ON RAD  
\*E\* DESCRIPTION: AN UNRECOVERABLE I/O ERROR WAS ENCOUNTERED  
\*E\* WHILE READING THE IUSERS FILE.  
SEND RDL0G0NM,ERRCODEM TELL OPERATOR

\*B\* MESSAGE: ID UNRECOVERABLE ERROR READING USERS FILE  
\*B\* ERROR CODE=XX  
\*B\* ACTION: RECREATE INDICATED USER'S RECORD WITH SUPER.  
\*B\* MEANING: ERROR IN :USERS FILE RECORD FOR INDICATED USER,  
B TRIES1 AND CLEAN-UP LOG-ON FOR EXIT.

915  
 916  
 917  
 918  
 919  
 920  
 921  
 922  
 923  
 924  
 925  
 926 04 00272  
 927 04 00272 7220000A A  
 928 04 00273 04100354  
 929 04 00274 04100351  
 930 04 00275 21200003 A  
 931 04 00276 693002A3  
 932 04 00277 31E0000B  
 933 04 00278 693002FB  
 934 04 00279 31F0000C  
 935 04 0027A 693002FB  
 936 04 0027B 32200000 X  
 937 04 0027C 3120000D  
 938 04 0027D 693002FB  
 939 04 0027E 32200001 N  
 940 04 0027F 3120000E  
 941 04 00280 693002FB  
 942 04 00281 32200002 N  
 943 04 00282 3120000F  
 944 04 00283 693002FB  
 945 04 00284 02200020 A  
 946 04 00285 2A200000 X  
 947 04 00286 2B200006 N  
 948 04 00287 02200020 A  
 949 04 00288 2BE00000 F  
 950 04 00289 2BE00000 N  
 951 04 0028A 2BE00000 X

PAGE

\*\*\*\*\*  
 \* THE FOLLOWING CODE IS ENTERED AS A RESULT OF AN ABNORMAL CONDITION ON  
 \* THE READ OF THE LOGIN FILE-PROBABLY FILE NOT PRESENT. THE USER IS  
 \* NOTIFIED AND THE LOGON PROCESS IS TERMINATED.  
 \* IF THE USER IS THE MANAGEMENT ACCOUNT AND THE ERROR IS 'FILE NOT  
 \* PRESENT', LOGON WILL AUTOMATICALLY CREATE THE FILE WITH THE SPECIAL  
 \* KEY AND ANY PASSWORD GIVEN. THIS DONE, SUPER MAY THEN BE INVOKED  
 \* TO CREATE THE OTHER ACCOUNT ENTRIES.  
 \*  
 \*

00PS	RES	0	
	LB,R2	SR3	PUT ERROR CODE IN R2
	CAL1,1	NORETURN	IGNORE ERROR RETURNS
	CAL1,1	CLOSE	CLOSE LOGON FILE
	CI,R2	3	
	BNE	00PS1	MUST BE ANOTHER ABNORMAL
	CW,D3	SYS	TEST ACCOUNT (IN D3,D4) TO SEE IF
	BNE	BUMMER1	IT'S THE MANAGEMENT ACCOUNT
	CW,D4	SYS+1	
	BNE	BUMMER1	
	LW,R2	ACCOUNT	ACCOUNT'S OK, TEST NAME
	CW,R2	SYSUSR	
	BNE	BUMMER1	
	LW,R2	ACCOUNT+1	
	CW,R2	SYSUSR+1	
	BNE	BUMMER1	
	LW,R2	ACCOUNT+2	
	CW,R2	SYSUSR+2	
	BNE	BUMMER1	
	LCI	2	ITS THE BOSS-CREATE A LOGIN RECORD
	LM,R2	UPASSWD	FOR HIM WITH PASSWORD, IF ANY
	STM,R2	LR;PW+RECORD	
	LCI	2	STORE ACCOUNT INTO LOGON RECORD AND
	STM,D3	J;JIT+JACCN	JIT
	STM,D3	LR;ACC+RECORD	
	STM,D3	UACCOUNT	

H01 18134 SEP 08, 1975

CP-V LOGON/LOGOFF

59

952 04 0028B 02200030 A  
 953 04 0028C 2A000000 X  
 954 04 0028D 24000002 N  
 955 04 0028E 2200C0C0 A  
 956 04 0028F 55000010 N  
 957 04 00290 02200070 A  
 958 04 00291 2A000338  
 959 04 00292 24000000 X  
 960 04 00293 22000008 A  
 961 04 00294 022000D0 A  
 962 04 00295 2A100340  
 963 04 00296 022000E0 A  
 964 04 00297 24000007 N  
 965 04 00298 04100000 X  
 966 04 00299 02200060 A  
 967 04 0029A 2A00035C  
 968 04 0029B 49000505  
 969 04 0029C 20100020 A  
 970 04 0029D 02200060 A  
 971 04 0029E 24000000 X  
 972 04 0029F 22300000 N  
 973 04 002A0 04100000 X  
 974 04 002A1 04100351  
 975 04 002A2 68000112  
 976 04 002A3  
 977 04 002A3 21200014 A  
 978 04 002A4 68300309  
 979 04 002A5 2120002E A  
 980 04 002A6 68300309  
 981 04 002A7 2120004C A  
 982 04 002A8 68300309  
 983 04 002A9 6AB00000 X  
 04 002AA 2220007E A  
 04 002AB 75200004 A  
 04 002AC 35400003 N  
 984 04 002AD 22200043  
 04 002AE 72300043

88PS1

LCI 3 STORE USER NAME INTO LOGON RECORD  
 LM,R0 ACCOUNT  
 STM,R0 LR:USR+RECORD  
 LI,R0 X:CO01 SET PRIV. LEVEL TO 1CO1 FOR BATCH AN  
 STH,R0 LR:PRIV+RECORD  
 LCI 7 SET UP FPT FOR OPENING LOGON FILE IN  
 LM,R0 OPNLOGON BUTIN MODE  
 STM,R0 LIST  
 LI,R0 8 CREATE AS BUTIN  
 LCI 13  
 LM,R1 OPNLOGON+8  
 LCI 14  
 STM,R0 LIST+7  
 CAL1,1 LIST DO THE OPEN  
 LCI 6 AND SET UP A WRITE  
 LM,R0 LOGFILE  
 BR,R0 L(X'10000001') CHANGE TO A WRITE  
 AI,R1 X'20' PUT IN NEW KEY OPTION  
 LCI 6  
 STM,R0 LIST  
 LI,R3 KEYBUFF  
 CAL1,1 LIST AND WRITE SUPERVISORY RECORD  
 CAL1,1 CLOSE CLOSE LOGON FILE  
 B LOGIT FINISH LOGGING ON  
 RES 0  
 CI,R2 X'14' CHECK FOR FILE BUSY  
 BE BUSY  
 CI,R2 X'2E'  
 BE BUSY  
 CI,R2 X'4C'  
 BE BUSY  
 SETERR R2 BUILD ERROR CODE MESSAGE  
 TYPE NOTHERE,NEWLINE TELL USER

MO1 18:34 SEP 08, '75

CP-V LOGON/LOGOFF

5\*

04 002AF 0410031C  
 04 002B0 22200005  
 04 002B1 72300005  
 04 002B2 0410031C

985  
 986  
 987

\*E\* MESSAGE: ABNORMAL ERROR ON LOGON FILE  
 \*E\* DESCRIPTION: TROUBLE WITH :USERS FILE DETECTED WHILE LOGGING  
 \*E\* A USER ON.

988 04 002B3 22200043  
 04 002B4 04200000 X  
 04 002B5 22200000 N  
 04 002B6 04200000 X

SEND N0THERE,ERRCODEM TELL OPERATOR

989  
 990  
 991  
 992  
 993  
 994  
 995

04 002B7 68000239

\*B\* MESSAGE: ID ABNORMAL ERROR ON LOGON FILE  
 \*B\* ERROR CODE=XX  
 \*B\* ACTION: RECREATE ACCOUNT WITH SUPER. IF UNSUCCESSFUL, DELETE  
 \*B\* :USERS FILE AND RECREATE FILE WITH SUPER.  
 \*B\* MEANING: TROUBLE WITH :USERS FILE DETECTED WHILE LOGGING A  
 \*B\* USER ON.  
 B TRIES1 DITCH USER





04 002CA 0410031C

1026  
1027  
1028 04 002CB 68000433  
1029 04 002CC 275C5CD3 A  
04 002CD D6C7D6D5 A  
04 002CE 7A4040E4 A  
04 002CF E2C5D940 A  
04 002D0 D5D6F340 A  
04 002D1 C1E4F3C8 A  
04 002D2 D6D9C9E9 A  
04 002D3 C5C440E3 A  
04 002D4 D640F4E2 A  
04 002D5 C540D4C3 A

1030  
1031 04 002D6 3B5C5C40 A  
04 002D7 40E8D6E4 A  
04 002D8 40C1D9C5 A  
04 002D9 40D5D6E3 A  
04 002DA 40C1F4E3 A  
04 002DB C8D6D9C9 A  
04 002DC E9C5C440 A  
04 002DD E3D640E4 A  
04 002DE E2C540E3 A  
04 002DF C8C540D9 A  
04 002E0 C5D4D6E3 A  
04 002E1 C540C1E2 A  
04 002E2 E2C9F2E3 A  
04 002E3 40E2F3C1 A  
04 002E4 E3C9D6D5 A

1032 04 002E5 225C5CD3 A  
04 002E6 D6C7D6D5 A  
04 002E7 7A4040C3 A  
04 002E8 C1D5D5D6 A  
04 002E9 E340C1C3 A  
04 002EA C3D8F4C9 A  
04 002EB D9C540D9 A

\*E\* MESSAGE: \*\* YOU ARE NOT AUTHORIZED TO USE THE REMOTE ASSIST  
 \*E\* STATION  
 B LOGOFFX2 AND EXIT SYSTEM\*\*  
 USR:ERR TEXTC !\*\*LOGON; USER NOT AUTHORIZED TO USE MC;

USR:ERR1 TEXTC !\*\* YOU ARE NOT AUTHORIZED TO USE THE REMOTE!;  
 ! ASSIST STATION!

RAS:RES TEXTC !\*\*LOGON; CANNOT ACQUIRE RESOURCE;

H01 18134 SEP 08, 175

CP-V LOGON/LOGOFF

57

04 002EC C5E2D6E4 A  
04 002ED D9C3C540 A  
1033 04 002EE 295C5CD3 A  
04 002EF D6C7D6D5 A  
04 002F0 7A4040C3 A  
04 002F1 C1D5D5D6 A  
04 002F2 E340D3D6 A  
04 002F3 C7D6D540 A  
04 002F4 D9C5F2D6 A  
04 002F5 E4D9C3C5 A  
04 002F6 40D9C5D8 A  
04 002F7 E4C5F2E3 A  
04 002F8 C5C44040 A

RAS:USR TEXTC

! \*\*LOGON: CANNOT LOGON RESOURCE REQUESTED!

PAGE

\* THE FOLLOWING CODE IS ENTERED AS THE RESULT OF AN ERROR DURING THE  
 \* KEYED READ OF THE LOGIN FILE. THIS HAS THE IMPLICATION OF THE USER  
 \* SUBMITTING AN INVALID OR GARBLED ID AND/OR ACCOUNT. IT IS NOT POSSIBLE  
 \* TO DETERMINE WHICH PART IS BAD SO A MESSAGE REPEATING BOTH INPUT  
 \* FIELDS IS RETURNED TO THE USER.

\*  
 \*  
 \*

1034  
 1035  
 1036  
 1037  
 1038  
 1039  
 1040  
 1041  
 1042  
 1043 04 002F9  
 1044 04 002F9 04100354  
 1045 04 002FA 04100351  
 1046 04 002FB 6A800234  
 1047 04 002FC 2220002B  
 04 002FD 7230002B  
 04 002FE 0410031C  
 1048 04 002FF 22300008 A  
 1049 04 00300 22200000 N  
 04 00301 0410032C  
 1050 04 00302 2220004B  
 04 00303 7230004B  
 04 00304 0410031C  
 1051 04 00305 2230000C A  
 1052 04 00306 22200000 N  
 04 00307 0410032C  
 1053 04 00308 68000256  
 1054  
 1055  
 1056  
 1057 04 00309  
 1059 04 00309 04800314  
 1060 04 0030A 68000103

BUMMER RES 0  
 CAL1,1 NORETURN IGNORE ERROR RETURNS  
 CAL1,1 CLOSE CLOSE LOGON FILE  
 BUMMER1 BAL,SR4 TRIES PERFORM ERROR LIMIT CHECK  
 TYPE NAMACT TYPE 'ACCOUNT/ID' FOLLOWED BY ECHO

LI,R3 8 OF USER ACCOUNT AND NAME  
 TYPES UACCOUNT

TYPE SLASH

LI,R3 12  
 TYPES UNME

B ACT1

\*  
 \* COME HERE IF LOGON FILE IS BUSY  
 \*

BUSY RES 0  
 CAL1,8 WAIT1 WAIT FOR ONE SECOND AND TRY AGAIN  
 B OPENIT

PAGE

\* THE FOLLOWING CODE IS ENTERED AS THE RESULT OF ERRORS DURING THE WRITE  
\* OF THE ASSIGN-MERGE RECORD. USER IS NOTIFIED THAT THE SYSTEM IS UNABLE  
\* TO WRITE AN A/M RECORD AND IS UNABLE TO LOG HIM ON.  
\*  
\*

1061  
1062  
1063  
1064  
1065  
1066  
1067 04 0030B  
1068 04 0030B 22200005  
04 0030C 72300005  
04 0030D 0410031C  
04 0030E 2220008D  
04 0030F 7230008D  
04 00310 0410031C  
  
1069  
1070  
1071  
1072 04 00311 22200000 A  
1073 04 00312 75200000 F  
1074 04 00313 68000239

AMWERR RES 0  
TYPE NEWLINE,AMERRMSG NOTIFY USER

\*E\* MESSAGE; UNABLE TO WRITE ASSIGN-MERGE RECORD  
\*E\* DESCRIPTION; SYSTEM WAS UNABLE TO WRITE AN ASSIGN-MERGE  
\*E\* RECORD FOR THIS USER.  
LI,R2 0 INDICATE TO LOGOFF THAT IT IS AN A/M  
STB,R2 J:JIT+JUNAME ERROR.  
B TRIES1 TELL USER YOU CAN'T LOG HIM ON, EXIT

PAGE

PARAMETER LISTS

1075  
 1076  
 1077  
 1078  
 1079 04 00314  
 1080 04 00314 0F000001 A  
 1081 04 00315 0F000002 A  
 1082  
 1083  
 1084  
 1085 04 00316 11000000 N  
 1086 04 00317 34000000 A  
 1087 04 00318 0000031B  
 1088 04 00319 00000001 A  
 1089 04 0031A 00000000 A  
 1090 04 0031B 15000000 A  
 1091  
 1092  
 1093  
 1094 04 0031C 11000000 N  
 1095 04 0031D 34000000 A  
 1096 04 0031E 80000002 A  
 1097 04 0031F 80000003 A  
 1098 04 00320 00000001 A  
 1099 04 00321 01000000 A  
 1100 04 00322 80000000 A  
 1101 04 00323 00000324  
 1102 04 00324 1F A  
 04 00324 1 15 A  
 04 00324 2 15 A  
 04 00324 3 40 A  
 1103 04 00325 5C5C40E2 A  
 04 00326 E3C1F3C9 A  
 04 00327 D6D540D9 A  
 04 00328 C5D3C5C1 A  
 04 00329 E2C5C440 A  
 04 0032A 5C5C4040 A

\*  
 \*  
 \*  
 WAIT1 RES 0  
 GEN,8,24 XIF,1 WAIT CAL PLIST \* TIME \* 1 SEC  
 WAIT5 GEN,8,24 XIF,2  
 \*  
 \* PLIST FOR WRITING NULL MSG TO M:UC TO SET BDT TO ZERO  
 \*  
 N8MSG GEN,8,24 X:11,UC WRITE TO UC  
 DATA X:34000000! P3,P4,P6  
 DATA CARRRTRN BUFFER  
 DATA 1 SIZE  
 DATA 0 BDT TO ZERO FOR TELL  
 CARRRTRN DATA X:15000000! CR TO GET FIRST TOP OF PAGE  
 \*  
 \* PLIST FOR OUTPUT MESSAGES TO USER CONSOLE.  
 \*  
 ERIDMSG GEN,8,24 X:11,UC WRITE TO USER TERMINAL  
 DATA X:34000000! P3,P4,P6  
 GEN,1,31 1,R2 BUFFER POINTER IN R2  
 GEN,1,31 1,R3 SIZE IN R3  
 DATA 1 BYTE DISPLACEMENT  
 MCLL GEN,8,24 1,0  
 PZE \*0  
 DATA \*+1  
 MCLLMSG DATA,1 MCLLCNT,21,21,64  
 TEXT \*\*\* STATION RELEASED \*\*\*

H01 18134 SEP 08, '75

CP-V LOGON/LOGOFF

1104 04 0032B 15 A  
 04 0032B 1 15 A  
 04 0032B 2 15 A  
 04 0032B 3 15 A

DATA,1 21,21,21,21

1105 0000001

MCLLCNT EQU BA(\*)-BA(MCLLMSG)-1

1106

\*

1107

\*

1108

\* PLIST FOR OUTPUTTING TEXT MESSAGES TO USER CONSOLE

1109

\*

1110 04 0032C 11000000 N

ERIDMSGS GEN,8,24 X'111',UC WRITE TO USER CONSOLE

1111 04 0032D 34000000 A

DATA X'34000000' P3,P4,P6

1112 04 0032E 80000002 A

GEN,1,31 1,R2 BUFFER ADDRESS IN R2

1113 04 0032F 80000003 A

GEN,1,31 1,R3 BUFFER SIZE IN R3

1114 04 00330 00000000 A

DATA 0 BYTE DISPLACEMENT

1115

\*

1116

\* PLIST TO OBTAIN DATE/TIME

1117

\* TIME RETURNED BOTH IN EBCDIC AND BINARY FORM

1118

\*

1119 04 00331 10800000 N

TIMER GEN,8,1,23 X'10',1,TIMBUF

1120

\*

1121

\* PLIST FOR READING THE LOGON RESPONSE FROM THE UC DEVICE

1122

\*

1123 04 00332 10000000 N

INMSG GEN,8,24 X'10',UC READ FROM USER TERMINAL

1124 04 00333 74000000 A

DATA X'74000000' P2,P3,P4,P6

1125 04 00334 0000021F

DATA SYNTAX ABNORMAL RETURN

1126 04 00335 00000000 N

DATA RECORD BUFFER ADDRESS

1127 04 00336 00000048 A

DATA 72 MAX SIZE = 72 CHARACTERS

1128 04 00337 00000000 A

DATA 0 BYTE DISPLACEMENT

1129

\*

1130

\* PLIST FOR OPENING LOGON FILE

1131

\*

1132 04 00338 14000000 N

OPENLOGON GEN,8,24 X'14',M,LOG OPEN 'USERS' LOGON FILE

1134 04 00339 CF480219 A

DATA X'CF480219' P1,2,5,6,7,8,10,13 F3,8,9,12

1137 04 0033A 000002F9

DATA BUMMER ERROR RETURN ADDRESS

1138 04 0033B 00000272

DATA 88PS ABNORMAL RETURN ADDRESS

1139 04 0033C 0000000A A

DATA 10 MAX RECOVERY TRIES

1140 04 0033D 00000002 A

DATA 2 ORGANIZATION KEYED

H01 18:34 SEP 08, '75

CP-V LOGON/LOGOFF

62

1141 04 0033E 00000002 A  
 1142 04 0033F 00000001 A  
 1143 04 00340 00000002 A  
 1144 04 00341 00000015 A  
 1145 04 00342 01000202 A  
 1146 04 00343 067AF4E2 A  
 04 00344 C5D9F240 A  
 1147 04 00345 02000202 A  
 1148 04 00346  
 1150 04 00346 7AE2F8E2 A  
 04 00347 40404040 A  
 1151 04 00348 03000202 A  
 1152 04 00349 DFEF803F A  
 04 0034A AFC0BF9F A  
 1153 04 0034B 05010101 A  
 1154 04 0034C D5D6D5C5 A  
 1159  
 1160  
 1161  
 1162 04 0034D 11000000 N  
 1163 04 0034E 30000000 A  
 1164 04 0034F 00000000 N  
 1165 04 00350 80000002 A  
 1166  
 1167  
 1168  
 1169 04 00351 15000000 N  
 1170 04 00352 80000000 A  
 1171 04 00353 00000002 A  
 1172  
 1173  
 1174  
 1175 04 00354 06000000 N  
 1176 04 00355 C0000000 A  
 1177 04 00356 0000038C  
 1178 04 00357 0000038C  
 1179

DATA 2 DIRECT ACCESS  
 DATA 1 IN MODE  
 DATA 2 SAVE  
 DATA 21 MAX KEY LENGTH = 21  
 GEN,8,8,8,8 1,0,2,2 FILE NAME  
 TEXTC 'USERS'  
 GEN,8,8,8,8 2,0,2,2 ACCOUNT NUMBER  
 SECAT RES 0  
 TEXT SYSACNT  
 DATA X'03000202' PASSWORD  
 DATA X'DFEF803F',X'AFC0BF9F'  
 DATA X'05010101' READ ACCOUNT NUMBERS  
 TEXT INONE  
 \*  
 \* PLIST TO ECHO AN UNCLEAR MESSAGE BACK TO THE SENDER  
 \*  
 ECHOWTE GEN,8,24 X'11',UC WRITE TO USER TERMINAL  
 DATA X'30000000' P3,P4  
 DATA RECORD BUFFER ADDRESS  
 GEN,1,31 1,R2 SIZE IN R2  
 \*  
 \* PLIST FOR CLOSING THE LOGIN FILE.  
 \*  
 CLOSE GEN,8,24 X'15',M:LOG CLOSE 'USERS' LOGON FILE  
 GEN,1,31 1,0 P1  
 DATA 2 SAVE  
 \*  
 \* PLIST FOR IGNORING ERROR RETURNS  
 \*  
 NORETURN GEN,8,24 X'06',M:LOG SETDCB FOR LOGON, RATE FILES  
 DATA X'C0000000' P1,P2  
 DATA RETURN ERROR RETURN  
 DATA RETURN ABNORMAL RETURN  
 \*

```

1180 * PLIST FOR WRITING ASSIGN/MERGE TABLE.
1181 *
1182 04 00358 2E000000 N AMR GEN,8,24 X'12E',M:EB WRITE ASSIGN=MERGE TABLE
1183 04 00359 30000000 A GEN,8,24 X'130',0 P3,P4
1184 04 0035A 00000000 05 DATA MERTAB BUFFER ADDRESS
1185 04 0035B 00000800 A DATA 4*512 BUFFER SIZE
1186 *
1187 * PLIST FOR READING THE LOGIN FILE.
1188 *
1189 04 0035C 10000000 N LOGFILE GEN,8,24 X'110',M:LBG READ LOGON FILE RECORD
1190 04 0035D B8000010 A DATA X'B8000010' P1,P3,P4,P5,F8
1191 04 0035E 00000260 DATA I0ERR0R ERROR RETURN ADDRESS
1192 04 0035F 00000000 N DATA RECORD BUFFER ADDRESS
1193 04 00360 000001F8 A DATA 4*LOGRECSZ RECORD SIZE
1194 04 00361 80000003 A GEN,1,31 1,R3 KEY ADDRESS IN R3
1195 *
1196 * PLIST FOR OPENING 'MAILBOX'
1197 *
1198 04 00362 14000000 N 0PNMAIL GEN,8,24 X'114',M:XI OPEN MAILBOX FILE
1199 04 00363 C5400001 A DATA X'C5400001' P1,P2,P6,P8,P10,F12
1200 04 00364 00000384 DATA N0MAIL ERROR RETURN ADDRESS
1201 04 00365 00000384 DATA N0MAIL ABNORMAL RETURN ADDRESS
1202 04 00366 00000002 A DATA 2 KEYED
1203 04 00367 00000001 A DATA 1 IN MODE
1204 04 00368 00000002 A DATA 2 SAVE
1205 04 00369 01000202 A DATA X'01000202' FILE NAME
1206 04 0036A 07D4C1C9 A TEXTC 'MAILBOX'
1207 04 0036C 02010002 A DATA X'02010002' ACCOUNT
1208 04 0036D 00000000 A DATA 0
1209 04 0036E 00000000 A DATA 0
1210 *
1211 * PLIST FOR CLOSING 'MAILBOX'
1212 *
1213 04 0036F 15000000 N CLSMAIL GEN,8,24 X'115',M:XI CLOSE MAILBOX FILE
1214 04 00370 80000000 A GEN,1,31 1,0 P1
1215 04 00371 00000002 A DATA 2 SAVE
    
```



```

1216 *
1217 * PLIST FOR SETTING ERR/ABN ADDRESSES
1218 *
1219 04 00372 86000001 A SETEABN GEN,8,24 X'86',1
1220 04 00373 C0000000 A GEN,2,30 3,0
1221 04 00374 8000000F A GEN,1,31 1,D4 ERROR
1222 04 00375 8000000F A GEN,1,31 1,D4 ABNORMAL
1223 *
1224 * PLIST FOR FINDING HELD PROGRAM
1225 *
1226 04 00376 10000000 A FSI GEN,8,24 X'10',0
1227 *
1228 * PLIST FOR ASSOCIATING HELD PROGRAM
1229 *
1230 04 00377 10000001 A ASI GEN,8,24 X'10',1
1231 *
1232 * PLIST FOR DECOUPLING TERMINAL
1233 *
1234 04 00378 10800000 A MDCPL DATA X'10800000' M:DECOUPLE
1235 *
1236 * PLIST FOR REJECTING COUPLE ATTEMPTS
1237 *
1238 04 00379 06200000 A MRCPL GEN,8,4,20 6,2,0 M:RCPL CAL FPT
1239 04 0037A 04000000 A DATA X'04000000',X'80'
1239 04 0037B 00000080 A
1240 *
1241 * PLIST TO WRITE TO BC
1242 *
1243 04 0037C 11000000 N MESSAGE GEN,8,24 X'11',M:BC
1244 04 0037D 34000000 A DATA X'34'**24
1245 04 0037E 80000002 A PZE *R2 BUFFER POINTER
1246 04 0037F 80000003 A PZE *R3 SIZE
1247 04 00380 00000000 A DATA 0 BTD
1248 *
1249 * PLIST TO WRITE UNSUCCESSFUL LOGON MSG TO BC
1250 *
1251 04 00381 00000000 A BADLGMSG DATA 0

```

H01 18:34 SEP 08, '75  
1252 04 00382 80000000 A  
1253 04 00383 00000015 05

PZE  
DATA

CP-V LOGON/LOGOFF  
\*0  
BADLOGON

PAGE

\*  
\* COME HERE IF ABNORMAL OR ERROR WHILE OPENING 'MAILBOX'  
\*

\*  
NBMAIL RES 0  
LB,SR3 SR3  
CI,SR3 X'2E'  
BE RETREQ  
CI,SR3 X'14'  
BE RETREQ  
CI,SR3 X'4C'  
BE RETREQ  
B AUTOCALL

RIGHT JUSTIFY ERROR CODE  
IF FILE IS BUSY, GO AHEAD AND TELL  
USER THAT MAIL HAS BEEN DELIVERED

\*  
\* COME HERE IF ERRORS ARE TO BE IGNORED  
\*

RETURN RES 0  
B \*SR1

RETURN TO CAL + 1

1254  
1255  
1256  
1257  
1258 04 00384  
1259 04 00384 72A0000A A  
1260 04 00385 21A0002E A  
1261 04 00386 683001B8  
1262 04 00387 21A00014 A  
1263 04 00388 683001B8  
1264 04 00389 21A0004C A  
1265 04 0038A 683001B8  
1266 04 0038B 680001C1  
1267  
1268  
1269  
1270 04 0038C  
1271 04 0038C E8000008 A

PAGE

\* THE PARSE SUB-ROUTINE WILL PLACE THE USER ID INTO TEMP STORAGE/JIT  
 \* HAVING THE THREE PARTS AS SEPERATE ENTITIES, SYNTAX CHECKING IS  
 \* PERFORMED AND ERROR ACTIONS ARE TAKEN IN THE EVENT OF SYNTACTICAL  
 \* ERRORS ARE PRESENT,  
 \* ON ENTRY, R3 = SIZE OF INPUT MESSAGE IN BYTES  
 \* MESSAGE BEGINS IN LOCATION RECORD

1272  
 1273  
 1274  
 1275  
 1276  
 1277  
 1278  
 1279  
 1280  
 1281 04 0038D  
 1285 04 0038D 22C00000 A  
 1286 04 0038E 22D00000 A  
 1287 04 0038F 22200000 A  
 1288 04 00390 22500000 N  
 1289 04 00391 22400000 N  
 1290 04 00392 6AA003B3  
 1291 04 00393 21700008 A  
 1292 04 00394 6920021A  
 1293 04 00395 22500000 N  
 1294 04 00396 22400000 N  
 1295 04 00397 6AA003B3  
 1296 04 00398 21700000 A  
 1297 04 00399 68300227  
 1298 04 0039A 2170000C A  
 1299 04 0039B 69200227  
 1300 04 0039C 21C00000 A  
 1301 04 0039D 683003A1  
 1302 04 0039E 22500000 A  
 1303 04 0039F 22400000 N  
 1304 04 003A0 6AA003B3  
 1305 04 003A1 22500000 A  
 1306 04 003A2 22400000 N  
 1307 04 003A3 31D0000C A  
 1308 04 003A4 683003A6  
 1309 04 003A5 6800022C  
 1310 04 003A6 22C00000 A  
 1311 04 003A7 22D00000 A

\*  
 \*  
 PARSE RES 0  
 LI,D1 0 LEFT PAREN FLAG  
 LI,D2 0 RIGHT PAREN FLAG  
 LI,R2 0 R2 MAINTAINS FIELD POSITION  
 LI,R5 J;JIT+JACCN  
 LI,R4 UACCOUNT  
 BAL,SR3 SCAN GET ACCOUNT  
 CI,R7 8  
 BG SYNTAXA  
 LI,R5 ACCOUNT  
 LI,R4 UNME  
 BAL,SR3 SCAN GET NAME  
 CI,R7 0 TEST TO INSURE DATA SUPPLIED  
 BE SYNTAXB  
 CI,R7 12  
 BG SYNTAXB  
 CI,D1 0  
 BE \$+4 NO EXT. ACC. FIELD PRESENT  
 LI,R5 0 DISABLE STORING IN SCAN  
 LI,R4 UEXTACC FOR STORING DATA DEFED IN ACCTSUM  
 BAL,SR3 SCAN GET EXT. ACC. FIELD  
 LI,R5 0 DISABLE UNNEC. STORING IN SCAN  
 LI,R4 UPASSWD  
 CW,D2 D1  
 BE \$+2  
 B SYNTAXC LEFT OR RIGHT PAREN. MISSING  
 LI,D1 0 RESET  
 LI,D2 0 RESET

H01 12134 SEP 08, 175

1312	04	003A8	6AA003B3	
1313	04	003A9	21700008	A
1314	04	003AA	6920021F	
1315	04	003AB	21700000	A
1316	04	003AC	683003B2	
1317	04	003AD	09B00000	X
1318	04	003AE	12C00000	X
1319	04	003AF	6AB00000	X
1320	04	003B0	19600000	X
1321	04	003B1	08B00000	X
1322	04	003B2		
1323	04	003B2	E800000B	A

PARSE10

BAL,SR3	SCAN	CP-V LOGON/LOGOFF	GET PASSWORD
CI,R7	8		
BG	SYNTAX		
CI,R7	0		CHECK IF PASSWORD PRESENT
BE	PARSE10		NOPE
PSW,SR4	TSTACK		
LD,D1	UPASSWD		
BAL,SR4	SCRAM		SCRAMBLE THE PASSWORD
STD,R6	UPASSWD		
PLW,SR4	TSTACK		
RES	0		
B	*SR4		

PAGE

\* THE SUB-ROUTINE SCAN FORMS A TWO WORD DATA ELEMENT IN \*R4 AND \*R5  
 \* IT PROVIDES THE NECESSARY BOOKKEEPING TO MAINTAIN THE PLACE WITHIN  
 \* THE INPUT BUFFER.  
 \*  
 \*

1324  
 1325  
 1326  
 1327  
 1328  
 1329  
 1330 04 003B3  
 1331 04 003B3 22800000 A  
 1332 04 003B4 22700000 A  
 1333 04 003B5 643003B7  
 1334 04 003B6 E800000A A  
 1335 04 003B7 72640000 X  
 1336 04 003B8 20200001 A  
 1337 04 003B9 21600040 A  
 1338 04 003BA 683003BD  
 1339 04 003BB 21600005 A  
 1340 04 003BC 693003C3  
 1341 04 003BD 21C00000 A  
 1342 04 003BE 693003C3  
 1343 04 003BF 21700000 A  
 1344 04 003C0 683003B5  
 1345 04 003C1 20800001 A  
 1346 04 003C2 680003B5  
 1347 04 003C3 2160006B A  
 1348 04 003C4 E830000A A  
 1349 04 003C5 2160004D A  
 1350 04 003C6 693003C9  
 1351 04 003C7 20C00001 A  
 1352 04 003C8 E800000A A  
 1353 04 003C9 2160005D A  
 1354 04 003CA 693003CD  
 1355 04 003CB 20D00001 A  
 1356 04 003CC 680003B5  
 1357 04 003CD 21800000 A  
 1358 04 003CE 683003D2  
 1359 04 003CF 20300001 A  
 1360 04 003D0 202FFFFF A

SCAN RES 0  
 LI,SR1 0  
 LI,R7 0  
 LOOP BDR,R3 \*2  
 B \*SR3  
 LB,R6 RECORD,R2  
 AI,R2 1  
 CI,R6 ' '  
 BE YBLK  
 CI,R6 X'05'  
 BNE COMMA  
 YBLK CI,D1 0  
 BNE COMMA  
 CI,R7 0  
 BEZ LOOP  
 AI,SR1 1  
 B LOOP  
 COMMA CI,R6 ' '  
 BE \*SR3  
 CI,R6 ' ('  
 BNE PCA  
 AI,D1 1  
 B \*SR3  
 PCA CI,R6 ') '  
 BNE BKCHCK  
 AI,D2 1  
 B LOOP  
 BKCHCK CI,SR1 0  
 BE CHARCK  
 AI,R3 1  
 AI,R2 =1

R7 IS THE REGISTER BYTE DISPLACEMENT  
 THIS TEST MAY BE DONE  
 FIRST BECAUSE  
 THIS EOM IS COUNTED AS A CHARACTER  
 BUMP TO NEXT POSITION  
 IS THIS A BLANK  
 OR A TAB-TREATED AS BLANK  
 ALLOW BLANKS IN EXPRESSION  
 FOR EXT. ACCT.  
 IGNORE LEADING BLANKS  
 YES-SET BLANK FLAG  
 SUPPRESS TRAILING BLANKS  
 HOW ABOUT A COMMA  
 FIELD COMPLETE-RETURN  
 LEFT PAREN IS A FIELD TERMINATOR  
 ALSO INDICATES THE PRESENCE OF EXTACC  
 IN EXTACC,PARENS AND TRAILING BLNKS  
 RIGHT PARENTHESIS PRESENT  
 RIGHT PAREN DOES NOT NEC. TERM. FIELD  
 TEST BLANK FLAG  
 JUMP IF CK  
 RESET POSITION TO START OF FIELD

HC1 18134 SEP 08, '75

CP-V LOGON/LOGOFF

70

1361 04 003D1 E800000A A  
 1362 04 003D2 21700018 A  
 1363 04 003D3 6810021F  
 1364 04 003D4 21400000 A  
 1365 04 003D5 683003D7  
 1366 04 003D6 F56E0004 A  
 1367 04 003D7 21500000 A  
 1368 04 003D8 683003DA  
 1369 04 003D9 F56E0005 A  
 1370 04 003DA 20700001 A  
 1371 04 003DB 680003B5

CHAROK

B  
 CI,R7  
 BGE  
 CI,R4  
 BE  
 STB,R6  
 CI,R5  
 BE  
 STB,R6  
 AI,R7  
 B

\*SR3  
 24  
 SYNTAX  
 0  
 \$+2  
 \*R4,R7  
 0  
 \$+2  
 \*R5,R7  
 1  
 LOOP

MAX LENGTH OF ANY FIELD  
 TOO MANY CHARACTERS IN FIELD.  
 AVOID UNNEC. STORING

STORE  
 AVOID UNNEC. STORING

STORE

PAGE

\* THE ROUTINE CONCAT IS USED TO CONCATINATE NAME TO ACCOUNT AND PROVIDE  
 \* A BYTE COUNT, THIS CODE IS USED TO GENERATE A KEYWORD TO READ THE  
 \* LOGIN FILE.  
 \* FOR ENTRY, R2=INPUT FIELD ADDRESS(EIGHT BYTE MAX)  
 \* R3=KEY BUFFER ADDRESS  
 \* FOR EXIT, R4=ACCUMULATED BYTE COUNT - SHOULD BE ZERO ON ENTRY  
 \* R5=USED FOR BYTE POSITIONING - R6 CONTAINS LAST CHAR.  
 \* ENTRY AND RETURN ARE MADE ON SR4.  
 \*  
 \*

1372  
 1373  
 1374  
 1375  
 1376  
 1377  
 1378  
 1379  
 1380  
 1381  
 1382  
 1383 04 003DC 22500000 A  
 1384 04 003DD F26A0002 A  
 1385 04 003DE 20500001 A  
 1386 04 003DF 21600000 A  
 1387 04 003E0 E830000B A  
 1388 04 003E1 20400001 A  
 1389 04 003E2 F5680003 A  
 1390 04 003E3 31500007 A  
 1391 04 003E4 E830000B A  
 1392 04 003E5 680003DD

CONCAT	LI,R5	0	
DBIT	LB,R6	*R2,R5	PICK UP CHARACTER.
	AI,R5	1	BUMP POSITION.
	CI,R6	0	
	BE	*SR4	DONE
	AI,R4	1	COUNT CHARACTER
	STB,R6	*R3,R4	STORE IN KEYBUFFER
	CW,R5	R7	THIS FIELD AT MAXIMUM
	BE	*SR4	DONE
	B	DBIT	NO.



1393  
 1394  
 1395  
 1396  
 1397 04 003E6  
 1398 04 003E6 C7640005 A  
 1399 04 003E7 F5640005 A  
 1400 04 003E8 D5640005 A  
 1401 04 003E9 6A840000 A  
 1402 04 003EA  
 1403 04 003EB  
 1404 04 003EC 11000000 N  
 1405 04 003ED 11000000 N  
 1406 04 003EE 11000000 N  
 1407 04 003EF 11000000 N  
 1408 00000006  
 1409 04 003F0 00000000 N  
 1410 04 003F1 C00003F5  
 1411 04 003F2 40000000 N  
 1412 04 003F3 C00003F8  
 1413 04 003F4 00000000 N  
 1414 00000000  
 1415 00000002  
 1416 00000001  
 1417 00000003  
 1418 04 003F5 356A0000 X  
 1419 04 003F6 356A0000 X  
 1420 04 003F7 E8000008 A  
 1421 04 003F8 356A0000 X  
 1422 04 003F9 356A0000 X  
 1423 04 003FA E8000008 A

PAGE  
 \*DRIVE TABLES FOR LIMIT DEFAULT STORING  
 \*THE POSITION OF ENTRY WITHIN THE TABLE IS KEYED DIRECTLY TO TABLE SL:NA  
 LIM COM,2,6,24 CF(2),AF(1),AF(2)  
 LIMSTORE RES 0  
 STS,R6 \*R5,R2  
 STB,R6 \*R5,R2  
 STH,R6 \*R5,R2  
 BAL,SR1 0,R2  
 LIMINF0 RES 1  
 RES 1 TIME  
 LIM,WORD 17,MPP0 LB  
 LIM,WORD 17,MP0 PB  
 LIM,WORD 17,MDP0 DB  
 LIM,WORD 17,MUP0 UB  
 LIMINF0A EQU \$=LIMINF0  
 LIM,WORD 0,PRDCRM PSTORE  
 LIM,SPEC 0,TSTST TSTORE  
 LIM,BYTE 0,JB;NFP0BL=BA(J;JIT) FPROL  
 LIM,SPEC 0,TSTDI TDISK  
 LIM,WORD 0,PRDPRM PDISK  
 WORD EQU 0  
 HALF EQU 2  
 BYTE EQU 1  
 SPEC EQU 3  
 TSTST STW,R6 TMDCRM,R5 TEMP DISC SPACE  
 STW,R6 TMPDCPK,R5 PEAK TEMP RAD SPACE USED  
 B \*SR1  
 TSTDI STW,R6 TMDPRM,R5 TEMP DISC PACK SPACE  
 STW,R6 TMPDPPK,R5 PEAK TEMP PACK SPACE USED  
 B \*SR1

PAGE

1424						
1425						* THE SETLDCF ROUTINE AUTHORIZES ACCESS TO LOGICAL DEVICE PERIPHERALS
1426						* BY SETTING PERTINENT BITS IN JIB (JH:LDCF) FOR THOSE PERIPHERALS
1427						* SPECIFIED IN THE :USERS FILE.
1428						* ENTER BAL,SR4 SETLDCF
1429						* INPUT R7=0 = AUTHORIZE DEVICES FOR BATCH.
1430						* R7=1 = AUTHORIZE DEVICES FOR ON-LINE.
1431						* R7=2 = AUTHORIZE DEVICES FOR GHOST.
1432						* R4 = ADDRESS OF :UNMP TABLE IN :USERS FILE.
1433						* R5 = ADDRESS OF :UPFLGS TABLE IN :USERS FILE.
1434						* ENTER BAL,SR4 SETLDCF
1435						* REG.USED R1,R2,R3,R6
1436						*
1437	04	003FB		SETLDCF	RES	0
1438	04	003FB	22100000 N		LI,R1	SV;FTYM
1439	04	003FC	7570000B A		STB,R7	SR4
1440	04	003FD	52220000 X	SETLDCF2	LH,R2	SH:SYMT,R1
1441	04	003FE	2230000F A		LI,R3	LMTSZE
1442	04	003FF	D1260004 A	SETLDCF4	CH,R2	*R4,R3
1443	04	00400	68300403		BE	SETLDCF6
1444	04	00401	643003FF		BDR,R3	SETLDCF4
1445	04	00402	6800040F		B	SETLDCF8
1446						* NO, GET NEXT DEVICE NAME
1447	04	00403	F2660005 A	SETLDCF6	LB,R6	*R5,R3
1448	04	00404	20700008 A		AI,R7	8
1449	04	00405	256E0000 A		SLS,R6	0,R7
1450						* SHIFT SPEC. FLAG(BATCH,0/L,GHOST) TO BIT 16
1451	04	00406	3A300001 A		LCW,R3	R1
1452	04	00407	22708000 A		LI,R7	X'8000'
1453	04	00408	25760000 A		SLS,R7	0,R3
1454	04	00409	25660000 A		SLS,R6	0,R3
1455						* SHIFT PERIPHERAL FLAG
1456	04	0040A	22200000 N		LI,R2	JH:LDCF
1457	04	0040B	52340000 A		LH,R3	0,R2
1458	04	0040C	47600003 A		STS,R6	R3
1459	04	0040D	55340000 A		STH,R3	0,R2
1460	04	0040E	7270000B A		LB,R7	SR4
						RESTORE FLAG

HC1 18:34 SEP 08, '75

1461 04 0040F 641003FD  
1462 04 00410 E800000B A

SETLDCF8 BDR,R1  
B

CP-V LOGON/LOGOFF  
SETLDCF2 GET NEXT DEVICE NAME  
\*SR4

PAGE

1463  
 1464  
 1465  
 1466  
 1467  
 1468  
 1469  
 1470 04 00411 0ED3C9D5 A  
 04 00412 C540F3C9 A  
 04 00413 D4C5C440 A  
 04 00414 D6E4F340 A  
  
 1471  
 1472 04 00415  
 1473 04 00415 72A00000 F  
 1474 04 00416 21A00000 A  
 1475 04 00417 68300423  
 1476 04 00418 21A00040 A  
 1477 04 00419 68300423  
 1478 04 0041A 35800004 N  
 1479 04 0041B 22A00000 A  
 1480 04 0041C 75A00000 F  
 1481 04 0041D 35A00000 X  
 1482 04 0041E 04100479  
 1483 04 0041F 0410048C  
 1484 04 00420 04100494  
 1485 04 00421 6AB00000 X  
 1487 04 00422 6800042D  
 1488 04 00423  
 1489 04 00423 70200000 X  
 1490 04 00424 6880042D  
 1491 04 00425 21A00000 A  
 1492 04 00426 6830042D  
 1493 04 00427 22200005  
 04 00428 72300005  
 04 00429 0410031C  
 04 0042A 22200411  
 04 0042B 72300411

\*\*\*\*\*  
 \*  
 \* FNDJBB/LOGOFF PROCESSOR \*  
 \*  
 \*\*\*\*\*

LT8 TEXTC !LINE TIMED OUT!

\*  
 LOGOFF RES 0  
 LB,SR3 J;JIT+JUNAME IF AREA IN JIT RESERVED FOR THE  
 CI,SR3 0 USER NAME HAS BLANKS OR ZEROS  
 BE LOGOFFX IN IT, THE USER WAS IN THE  
 CI,SR3 X'40'  
 BE LOGOFFX  
 STW,SR1 TIMBUF+4 (SR1)=YY,DD FROM TIME CALL  
 LI,SR3 0  
 STB,SR3 JIJIT+JRNST ERR/ABN RETURNED IN SR3 IF J:RNST=0  
 STW,SR3 RATEFLAG SET RATE FILE INDICATOR TO 'IN'  
 CAL1,1 BRATE OPEN RATE FILE  
 CAL1,1 RRATE READ RECORD INTO 'RECORD'  
 CAL1,1 CRATE CLOSE RATE FILE  
 RATEIN BAL,SR4 ACCNTSUM COMPUTE, DISPLAY, LOG ACCOUNTING INFO  
 B LOGOFFX1  
 EQU \*  
 LC JIJIT HERE WITH NO UNAME  
 BCR,8 LOGOFFX1 AVOID IF NOT ON=LINE  
 CI,SR3 0  
 BE LOGOFFX1 A/M WRITE ERROR  
 TYPE NEWLINE,LT8 HE PROBABLY TIMED OUT

1494 04 0042C 0410031C  
 1495 04 0042D 04800378  
 1496 04 0042E 04800379  
 1497 04 0042F 22000040 A  
 1498 04 00430 6AF004AE  
 1499 04 00431 70200000 X  
 1500 04 00432 6820043D  
 1501 04 00433  
 1502 04 00433 22600000 N  
 1503 04 00434 6830043D  
 1504 04 00435 226000C0 A  
 1505 04 00436 75600000 X  
 1506 04 00437 04200321  
 1507  
 1508  
 1509  
 1510 04 00438 04600004  
 1511 04 00439 22600000 A  
 1512 04 0043A 75600000 X  
 1513 04 0043B 22100001 A  
 1514 04 0043C 55620000 X  
 1515 04 0043D  
 1516 04 0043D 32600506  
 1517 04 0043E 31600000 X  
 1518 04 0043F 68400444  
 1519 04 00440 22100000 N  
 1520 04 00441 22F00444  
 1521 04 00442 04100372  
 1522 04 00443 04100447  
 1523 04 00444  
 1524 04 00444 04900006 A  
 1525 04 00445 22600000 A  
 1526 04 00446 04900001 A  
 1529

LOGOFFX1 EQU \$  
 CAL1,8 MDCPL  
 CAL1,8 MRCPL  
 LI,0 ' '  
 BAL,15 WRL0GD  
 LC J;JIT  
 BCR,2 LOGOFFX3  
 LOGOFFX2 EQU \$  
 LI,R6 RAS;CBP  
 BEZ LOGOFFX3  
 LI,R6 X'CO'  
 STB,R6 JB;PRIV  
 CAL1,2 MCLL  
 \*\* MESSAGE: \*\* STATION RELEASED \*\*  
 \*\* ACTION: NONE  
 \*\* MEANING: INFORMATION  
 CAL1,6 MASTER  
 LI,R6 0  
 STB,R6 RAS;CBP  
 LI,R1 1  
 STH,R6 RAS;CBP,R1  
 LOGOFFX3 EQU \$  
 LW,R6 =X'00200000'  
 CW,R6 M;LL  
 BAZ LOGOFFX6  
 LI,R1 M;LL  
 LI,D4 LOGOFFX6  
 CAL1,1 SETEABN  
 CAL1,1 FPTCLSLL  
 LOGOFFX6 EQU \$  
 CAL1,9 6  
 LI,R6 0  
 CAL1,9 1  
 FIN

DECUPLE CAL AND REJECT CAL  
 TO MAKE SURE THINGS ARE CLEANED UP  
 GO WRITE LOGD RECORD  
 FOR THIS USER.  
 JUST LOG OFF MC USER  
 NOPE  
 IT REALLY IS A 560 SYSTEM ISNT IT  
 NOPE = JUMP OVER THERE...  
 JUMP UP  
 PRIVILEGE LEVEL  
 INFORM USER STATION IS RELEASED  
 GO BRIEFLY MASTER MODE  
 ZAP RAS USER NUMBER  
 ZAP BREAK SENT  
 IS MILL OPEN  
 NO  
 SET ERROR/ABNORMAL ADDRESSES  
 CLOSE MILL  
 CLOSE COOPERATIVE FILES  
 COMMAND PROCESSOR FLAG RETURNED  
 EXIT

\*\*\*\* INVALID DIRECTIVE  
1530

\*

H01 18:34 SEP 08, 1975

CP=V LOGON/LOGOFF

77

1531 04 00447 15000000 X  
 1532 04 00448 80000000 A  
 1533 04 00449 00000002 A  
 1534  
 1535  
 1536  
 1537 04 0044A  
 1538 04 0044A 72A0000A A  
 1539 04 0044B 21A00003 A  
 1540 04 0044C 6830045E  
 1541 04 0044D 21A00014 A  
 1542 04 0044E 68300463  
 1543 04 0044F 21A0002E A  
 1544 04 00450 68300463  
 1545 04 00451 21A0004C A  
 1546 04 00452 68300463  
 1547 04 00453 21A00075 A  
 1548 04 00454 68300465  
 1549 04 00455 3220000A A  
 04 00456 6AB00000 X  
 04 00457 2220007E A  
 04 00458 75200004 A  
 04 00459 35400003 N  
 1550 04 0045A 2220006A  
 04 0045B 04200000 X  
 04 0045C 22200000 N  
 04 0045D 04200000 X  
 1551  
 1552  
 1553  
 1554  
 1555  
 1556  
 1557  
 1558 04 0045E  
 1559 04 0045E 04100354  
 1560 04 0045F 04100494

FPTCLSLL GEN,8,7,17 X1151,0,M:LL  
 DATA X1800000001  
 DATA 2 SAVE

\*  
 \* COME HERE ON OPEN OR READ ERROR OF RATE FILE  
 \*

RATEERR RES 0  
 LB,SR3 SR3 RIGHT JUSTIFY ERROR CODE  
 CI,SR3 3 BRANCH TO INBRATE! IF FILE DOESN'T  
 BE NBRATE EXIST  
 CI,SR3 X114! BRANCH TO IRATEBUSY! IF THE FILE  
 BE RATEBUSY IS BUSY  
 CI,SR3 X12E!  
 BE RATEBUSY  
 CI,SR3 X14C!  
 BE RATEBUSY  
 CI,SR3 X175! THIS IS TO SEE IF THE ERROR WAS DUE  
 BE FDERROR1 TO A BAD FILE DIRECTORY  
 SETERROR SR3 BUILD ERROR CODE MESSAGE

SEND 0PNRFMSG,FRRCDDEM

\*0\* MESSAGE: ID UNABLE TO OPEN RATE FILE  
 \*0\* ERROR CODE=XX  
 \*0\* ACTION: DELETE IRATE FILE AND RECREATE WITH RATES PROCESSOR.  
 \*0\* MEANING: THE IRATE FILE HAS AN ERROR.

\*  
 \* COME HERE IF COULDN'T GET A RATE FILE  
 \*

NBRATE RES 0  
 CAL1,1 NBRATE IGNORE ERROR RETURNS FOR CLOSE  
 CAL1,1 CRATE CLOSE RATE FILE

H01 18:34 SEP 08, '75

CP-V LOGON/LOGOFF

78

1561 04 00460 22AFFFFF A  
 1562 04 00461 35A00000 X  
 1563 04 00462 68000421  
 1564  
 1565  
 1566  
 1567 04 00463  
 1569 04 00463 04800314  
 1570 04 00464 68000415  
 1571  
 1572  
 1573  
 1574 04 00465  
 1575 04 00465 3220000A A  
 04 00466 6AB00000 X  
 04 00467 2220007E A  
 04 00468 75200004 A  
 04 00469 35400003 N  
 1576 04 0046A 2220005C  
 04 0046B 04200000 X  
 04 0046C 22200000 N  
 04 0046D 04200000 X  
 1577  
 1578  
 1579  
 1580  
 1581  
 1582  
 1583 04 0046E 6800045E  
 1584  
 1585  
 1586  
 1587 04 0046F  
 1588 04 0046F 7220000A A  
 1589 04 00470 6AB00000 X  
 04 00471 2220007E A  
 04 00472 75200004 A

LI,SR3 =1 INDICATE TO DISPLAY NO RATE FILE  
 STW,SR3 RATEFLAG WAS READ  
 B RATEIN CONTINUE PROCESSING

\*  
 \* COME HERE IF THE FILE WAS BUSY  
 \*  
 RATEBUSY RES 0  
 CAL1,8 WAIT1 WAIT FOR 1 SECOND AND THEN TRY  
 B LOGOFF AGAIN

\*  
 \* COME HERE IF THERE IS AN ERROR IN THE :SYS ACCOUNT DIRECTORY  
 \*  
 FDERROR1 RES 0  
 SETERROR SR3

SEND ARFMSG,ERRCODEM TELL OPERATOR

\*B\* MESSAGE: ID UNABLE TO ACCESS RATE FILE  
 \*B\* ERROR CODE=XX  
 \*B\* ACTION: ACTION VARIES WITH ERROR TYPE (SEE BATCH PROCESSING  
 \*B\* REFERENCE MANUAL FOR ERROR CODES.)  
 \*B\* MEANING: LOGON IS UNABLE TO ACCESS THE RATE FILE DUE TO A BAD  
 \*B\* ACCOUNT DIRECTORY.  
 B NBRATE PROCEED AS IF NO RATE FILE

\*  
 \* COME HERE IF THERE IS AN ERROR READING RATE FILE  
 \*  
 RDRATERR RES 0  
 LB,R2 SR3 BUILD ERROR CODE MESSAGE  
 SETERROR R2

H01 18134 SEP 08, '75  
 04 00473 35400003 N  
 1590 04 00474 22200063  
 04 00475 04200000 X  
 04 00476 22200000 N  
 04 00477 04200000 X  
 1591  
 1592  
 1593  
 1594  
 1595 04 00478 6800045E

CP-V LOGON/LOGOFF

79

SEND RRFMSG,ERRCODEM

\*8\* MESSAGE: ID UNABLE TO READ FILE  
 \*8\* ERROR CODE=XX  
 \*8\* ACTION: DELETE :RATE FILE AND RECREATE WITH RATES PROCESSOR.  
 \*8\* MEANING: ERROR IN READING :RATE FILE.  
 B NBRATE PROCEED AS IF NO RATE FILE





H01 18134 SEP 08, 175

1635 04 00492 000002B8  
04 00493 000002B8

1636

1637

1638

1639 04 00494

1640 04 00494 15000000 N

1641 04 00495 00000000 A

CP-V LOGON/LOGOFF  
DATA RES:ERR,RES:ABN

81

\*

\*

\*

CLOSE RATE FILE

CRATE

RES 0

GEN,8,24 X'15',MIRATE

CLOSE RATE FILE

DATA 0

PAGE

\*\*\*\*\*  
\* RECONNECT TO SAVED PROGRAM IF USER SO WILLS \*  
\*\*\*\*\*

1642  
1643  
1644  
1645  
1646 04 00496  
1647 04 00496 22200005  
04 00497 72300005  
04 00498 0410031C  
04 00499 22200096  
04 0049A 72300096  
04 0049B 0410031C  
1648 04 0049C 04100332  
1649 04 0049D 72000000 X  
1650 04 0049E 210000E8 A  
1651 04 0049F 683004A3  
1652 04 004A0 210000D5 A  
1653 04 004A1 68300208  
1654 04 004A2 68000496  
1655 04 004A3 04800377  
1656 04 004A4 688004AC  
1657 04 004A5 22200005  
04 004A6 72300005  
04 004A7 0410031C  
04 004A8 2220009D  
04 004A9 7230009D  
04 004AA 0410031C  
1658 04 004AB 68000208  
1659 04 004AC 22600000 A  
1660 04 004AD 04900001 A

RECONNECT EQU \$  
TYPE NEWLINE, HELDMSG

RCAL1 CAL1,1 INMSG READ RESPONSE  
LB,R0 RECORD SEE WHAT HE TYPED  
CI,R0 C'I' DID IT START WITH 'Y'  
BE MASI YES  
CI,R0 C'N' DID IT START WITH 'N'  
BE NOCONNECT SURE DID  
B RECONNECT LET HIM TRY ONCE MORE  
MASI CAL1,8 ASI ASSOCIATE HELD PROGRAM  
BCR,8 RECONNECT AND LEAVE  
TYPE NEWLINE, NOIMGMSG SOMETHING WENT WRONG

B NOCONNECT RESUME NORMAL LOGON  
RECONNECT EQU \$  
LI,6 0 FOR INTERP. EXIT - DELUSER  
CAL1,9 1 EXIT

PAGE

\*  
 \* THE WRLOGD ROUTINE WRITES A RECORD INTO THE FILE  
 \* :LOGD,:SYS IF THE SYSTEM CELL S:CBUP EXISTS AND CONTAINS  
 \* THE VALUE TWO, AN 11 WORD RECORD IS WRITTEN CONTAINING  
 \* THE TIME AND DATE, USER NAME AND ACCOUNT, AN INDICATOR  
 \* AS TO LOGGING ON OR OFF, AND THE CBC LINE NUMBER FROM THE  
 \* MIUC DCB. THE RECORD IS WRITTEN USING THE SYSID AS A KEY.  
 \* THE FILE IS IN :SYS, AND IS READ NONE, WRITE NONE, SO WE  
 \* MUST GO TO X'Co' PRIVILEGE LEVEL TO WRITE IN IT.  
 \*

1662  
 1663  
 1664  
 1665  
 1666  
 1667  
 1668  
 1669  
 1670  
 1671  
 1672  
 1673 04 004AE 70200000 X  
 1674 04 004AF E880000F A  
 1675 04 004B0 02200000 A  
 1676 04 004B1 25000014 N  
 1679 04 004B2 32100000 X  
 1680 04 004B3 21100002 A  
 1681 04 004B4 684004D3  
 1\* 04 004B5 224000FF A  
 2\* 04 004B6 45400000 X  
 1686 04 004B7 49400507  
 1687 04 004B8 35400000 X  
 1688 04 004B9 222000FF A  
 1689 04 004BA 45200000 F  
 1690 04 004BB 6A800000 X  
 1\* 04 004BC 70200000 X  
 2\* 04 004BD 682004BF  
 3\* 04 004BE 224009C1 A  
 1691 04 004BF 25400010 A  
 1692 04 004C0 49400000 A  
 1693 04 004C1 20404000 A  
 1694 04 004C2 02200050 A  
 1695 04 004C3 2A500000 F  
 1696 04 004C4 32A00508  
 1\* 04 004C5 3150000A A  
 2\* 04 004C6 683004D3  
 1697 04 004C7 02200070 A

WRLOGD

LC	J:JIT	IS THIS ONLINE
BCR,8	*15	IF NOT, NOTHING TO DO.
LCI	0	
STM,0	RECORD+20	STUFF THE REGS
LW,1	S:CBUP	
CI,1	2	IS THE TWO BIT SET
BAZ	WRX	NO. HOW DULL...
LI,4	X'IFF'	
AND,4	J:JIT	PICK UP THE SYSID
BR,4	*X'03000000'	MAKE IT A KEY FOR THE WRITE.
STW,4	KEYBUFF	AND POKE AWAY.
LI,2	X'IFF'	
AND,2	M:UC+CBCLN	GET THE LINE # FROM MIUC
BAL,SR4	BIN2HEX	
LC	J:JIT	IS THIS A RA USER
BCR,2	*+2	
LI,4	'RA'	IF SO, PUT THAT IN RECORD; NO LINE N.
SLS,4	16	MOVE OVER TO LOOK PRETTY
BR,4	0	PUT IN THE STAR OR BLANK
AI,4	X'4000'	MIDDLE CHR A BLANK
LCI	5	
LM,5	J:JIT+JACCN	GET NAME AND ACCOUNT
LW,10	=! !	PUT IN BLANKS
CW,5	10	IS THE ACCOUNT BLANKS
BE	WRX	B/YES=TIMED OUT LINE, DONT WRITE...
LCI	7	

H01 18134 SEP 08, 1975

CP-V LOGON/LOGOFF

84

1698	04	004C8	25400000	X		STM,4	RECORD	SHOVE INTO BUFFER AREA
1699	04	004C9	048004D6		WRLOGG	CAL1,8	WRTIME	REMEMBER WHEN IT HAPPENED.
1700	04	004CA	72100000	X		LB,1	JB:PRIV	WHATS THIS GUY'S PRIV LEVEL
1701	04	004CB	35100013	N		STW,1	RECORD+19	REMEMBER THAT.
1702	04	004CC	221000C0	A		LI,1	X'CO'	I THINK THAT ITS X'CO'
1703	04	004CD	75100000	X		STB,1	JB:PRIV	AND I MEAN WHAT I SAY...
1704	04	004CE	04100000	06	WRLOGG	CAL1,1	WROPEN	OPEN SESAME
1*	04	004CF	041004DA			CAL1,1	WRWRITE	POKE IN THE RECORD
1706	04	004D0	041004D7		WRLOGC	CAL1,1	WRCLS	SLAM
1707	04	004D1	32100013	N	WRLOGR	LW,1	RECORD+19	RESTORE THE PRIV LEVEL
1708	04	004D2	75100000	X		STB,1	JB:PRIV	TO KEEP PEOPLE HAPPY...
1709	04	004D3	02200000	A	WRX	LCI	0	
1710	04	004D4	2A000014	N		LM,0	RECORD+20	RESTORE THE REGS
1711	04	004D5	E800000F	A		B	*15	AND SPLIT.....

PAGE

\*  
\* FRT TO CRAM TIME AND DATE INTO RECORD

\*  
\* WRTIME GEN,8,24 X'10',RECORD+7

\*  
\* CLOSE :LOGD FILE ON M:EB, SAVE

\*  
\* WRCLS GEN,8,24 X'15',M:EB

GEN,1,31 1,0 P1  
DATA 2 SAVE

\*  
\* WRITE THE RECORD INTO THE FILE

\*  
\* WRWRITE GEN,8,24 X'11',M:EB

DATA X'FC000040' P1=P6, BNEWKEY  
DATA WBPNE,WBPNE ERROR AND ABNORMAL

DATA RECORD,44,KEYBUFF,0

\*  
\* OPEN THE :LOGD FILE IN :SYS  
\* IN CSECT 0 BECAUSE WE MAY CHANGE MODE FROM INOUT TO OUT  
\* TO CREATE THE FILE.  
\*

CSECT 0

WRBPEN GEN,8,24 X'14',M:EB

DATA X'CF480009' LOTS OF PARAMETERS....

DATA WBPNE P1= ERR ADDR

DATA WBPNE P2= ABN ADDR

DATA 10 P5= TRIES=10

DATA 2 P6= KEYED

DATA 2 P7= DIRECT

WRPNMODE DATA X'304' P8= INOUT SHARE, MAY BE OUT

DATA 2 P10= SAVE

1712  
1713  
1714  
1715  
1716 04 004D6 10000007 N  
1717  
1718  
1719  
1720 04 004D7 15000000 N  
1721 04 004D8 80000000 A  
1722 04 004D9 00000002 A  
1723  
1724  
1725  
1726 04 004DA 11000000 N  
1727 04 004DB FC000040 A  
1728 04 004DC 000004E2  
04 004DD 000004E2  
1729 04 004DE 00000000 N  
04 004DF 0000002C A  
04 004E0 00000000 N  
04 004E1 00000000 A  
  
1730  
1731  
1732  
1733  
1734  
1735 06 00000  
1736 06 00000 14000000 N  
1737 06 00001 CF480009 A  
1738 06 00002 000004E2 04  
1739 06 00003 000004E2 04  
1740 06 00004 0000000A A  
1741 06 00005 00000002 A  
1742 06 00006 00000002 A  
1743 06 00007 00000304 A  
1744 06 00008 00000002 A

H01 18:34 SEP 08, '75

1745 06 00009 00000004 A  
1\* 06 0000A 01000202 A  
1747 06 0000B 057AD3D6 A  
06 0000C C7C44040 A  
1748 06 0000D 02000202 A  
1749 06 0000E 7AE2F8E2 A  
06 0000F 40404040 A  
1750 06 00010 03000202 A  
1751 06 00011  
1752 06 00013 05000202 A  
1753 06 00014 D5D6D5C5 A  
06 00015 40404040 A  
1754 06 00016 06010202 A  
1755 06 00017 D5D6D5C5 A  
06 00018 40404040 A  
1756 06 00019

CP=V LOGON/LOGOFF

DATA 4 P13= KEYM=4  
GEN,8,8,8,8 1,0,2,2  
TEXTC 'LOGD' NAME=:LOGD  
GEN,8,8,8,8 2,0,2,2  
TEXT 'SYS ' ACCT=:SYS  
GEN,8,8,8,8 3,0,2,2  
RES 2 PASSWORD=HASH FROM LOADER.  
GEN,8,8,8,8 5,0,2,2  
TEXT 'NONE ' READ=NONE  
GEN,8,8,8,8 6,1,2,2  
TEXT 'NONE ' WRITE=NONE  
USECT WRL0GD BACK TO PROCEDURE

86





H01 18:34 SEP 08, '75

CP=V LOGON/LOGOFF

88

1794 04 004FA 21100002 A  
 1795 04 004FB 683004E7  
 1796 04 004FC 22100002 A  
 1797 04 004FD 35100007 06  
 1798 04 004FE 680004CE

CI,1 2 IF ITS 2:00, WE'VE TRIED THIS ALREA  
 BE WR00PS AND SHULDNT TRY IT AGAIN.  
 LI,1 2 SET THE MODE TO OUT  
 STW,1 W0PNMODE  
 B WRL0G0 AND GO TRY AGAIN.

1799  
 1800  
 1801  
 1802 04 004FF 00000000 A  
 04 00500 80000000 A  
 04 00501 00000000 07

\*  
 \* FRT FOR OP MESSAGE  
 \*  
 WMSGF DATA 0,X'80000000',WRMSG

1803  
 1804  
 1805 04 00502 0F000001 A  
 1806 07 00000 1F40D3D6 A  
 1807 07 00001 C7D6D560 A  
 07 00002 C5D9D940 A  
 07 00003 E7E74060 A  
 07 00004 E7E740D6 A  
 07 00005 D5407AD3 A  
 07 00006 D6C7C440 A  
 07 00007 C6C9D3C5 A

\* SN00ZE FRT  
 \*  
 WRZZZZ GEN,8,24 XIF,1 SN00ZE FOR ONE 1.2 SEC TICK.  
 CSECT 0  
 TEXTC 1 LOGON=ERR XX=-XX ON !LOGD FILE!

1808 07 00008  
 1809 04 000A4  
 04 00503 80000000 A  
 04 00504 10000000 A  
 04 00505 01000000 A  
 04 00506 00200000 A  
 04 00507 03000000 A  
 04 00508 40404040 A

USECT WR0PN0  
 END LOGON

CONTROL SECTION SUMMARY: 01 00000 PT 0 02 00000 PT 0 03 00000 PT 1 04 00509 PT 1  
 05 0020C PT 0 06 00019 PT 0 07 00008 PT 0

\* SYMBOL VALUES

ACT1/04 00256  
 ARFMSG/04 0005C  
 AUTOEXIT/04 001CA  
 BLANKS/04 00010  
 BYTE/00000001  
 CLOSE/04 00351  
 CONCAT/04 003DC  
 DBIT/04 003UD  
 D3/0000000E  
 EREXT/04 0001E  
 EVTHNOK/04 00203  
 FSI/04 00376  
 I/00000002  
 IBERROR/04 0026U  
 LIMSTORE/04 003E6  
 LOGFILE/04 0035L  
 LOGOFF/04 00415  
 LOGOFFX3/04 0043D  
 LOGRECSZ/0000007E  
 LR:ARAD/00000012  
 LR:CPP/00000008  
 LR:PRIV/0000001U  
 LR:UNML/0000001E  
 LR:UBMR/0000006A  
 M:LBG/EXT  
 MASTER/04 00004  
 MDCPL/04 00378  
 NAMACT/04 0002B  
 NR:RFS/04 002BE  
 NEMAIL/04 00384  
 NERETURN/04 00354  
 NPS/04 00272  
 NPNMAIL/04 00362  
 BUT3/04 00150  
 BUT5B/04 0016C  
 BUT5FA/04 0017F

AMERRMSG/04 0008D  
 ARS/00000004 S  
 BADLGMSG/04 00381  
 BUMMER/04 002F9  
 CARRRTRN/04 0031B  
 CLSMAIL/04 0036F  
 CRATE/04 00494  
 DOWN/04 0003C  
 D4/0000000F  
 ERID/04 0001A  
 FDERRR1/04 00465  
 GHST/04 000A9  
 IDMSG/04 0002E  
 JCUSRERR/04 002C1  
 LIST/EXT  
 LOGIT/04 00112  
 LOGOFFX/04 00423  
 LOGOFFX6/04 00444  
 LBP/04 003B5  
 LR:BIL/0000000F  
 LR:DMR/00000014  
 LR:PW/00000006  
 LR:UNMP/00000072  
 LR:UPFLG/0000007A  
 M:RATE/EXT  
 MCLL/04 00321  
 MERTAB/05 00000  
 NEWLINE/04 00005  
 NBACCESS/04 0024F  
 NBMSG/04 00316  
 NBTHERE/04 00043  
 NPS1/04 002A3  
 NPNRFMSG/04 0006A  
 BUT3A/04 0015C  
 BUT5C/04 00171  
 BUT5F/04 00180

AMR/04 00358  
 ASI/04 00377  
 BADLOGON/05 00015  
 BUMMER1/04 002FB  
 CHAROK/04 003D2  
 CBMMA/04 003C3  
 DCBAR/00000004  
 D1/0000000C  
 ECHWTE/04 0034D  
 ERIDMSG/04 0031C  
 FILEXMSG/04 00071  
 HALF/00000002  
 INMSG/04 00332  
 LIMINF0/04 003EA  
 LMTSZE/0000000F  
 LOGIT10/04 00127  
 LOGOFFX1/04 0042D  
 LOGON/04 000A4  
 LR:ACC/00000000  
 LR:CPA/0000000A  
 LR:EACCT/00000018  
 LR:UGML/0000004E  
 LR:UNMR/0000005E  
 LR:USR/00000002  
 MAILMSG/04 0004D  
 MCLLCNT/0000001F  
 MESSAGE/04 0037C  
 NEXLBP/04 0013B  
 NBCONNECT/04 00208  
 NBMSG/04 0024D  
 OFFMSG/04 000A3  
 OPENIT/04 00103  
 BRATE/04 00479  
 BUT4/04 00166  
 BUT5D/04 00174  
 BUT6A/04 00182

AMWERR/04 0030B  
 AUTOCALL/04 001C1  
 BKCHCK/04 003CD  
 BUSY/04 00309  
 CLEANUP/04 001B6  
 CBMPRS/04 0012F  
 DCBER/00000003  
 D2/0000000D  
 ERAC/04 0001B  
 ERIDMSG/04 0032C  
 FPTCLSL/04 00447  
 HELDMSG/04 00096  
 INQUIRE/04 000D9  
 LIMINFBA/00000006  
 LFFMSG/04 00083  
 LOGIT5/04 00123  
 LOGOFFX2/04 00433  
 LOGON:CB/04 000CB  
 LR:ADIS/00000016  
 LR:CPN/0000000C  
 LR:FG/00000005  
 LR:UGMR/0000006E  
 LR:UGML/0000003E  
 LTB/04 00411  
 MASI/04 004A3  
 MCLLMSG/04 00324  
 MRCPL/04 00379  
 NEXT/04 00137  
 NBIMMSG/04 0009D  
 NBATE/04 0045E  
 NATM/04 0003A  
 NPNLOGON/04 00338  
 BUT1/04 00143  
 BUT5A/04 00169  
 BUT5E/04 00178  
 BUT6B/04 00184

BUT6C/04 00188  
 BUT9/04 001B1  
 PASSWORD/04 00028  
 RAS:USR/04 002EE  
 RCAL1/04 0049C  
 RECONNOUT/04 004AC  
 RETURN/04 0038C  
 R0/00000000  
 R4/00000004  
 SCAN/04 003B3  
 SETLDCF2/04 003FD  
 SETRES/04 00490  
 SPEC/00000003  
 SR4/0000000B  
 SYNTAXB/04 00227  
 SYSUNAME/TEXT  
 TIM/04 00012  
 TRIES1/04 00239  
 TXL8G8N/04 00000  
 WAIT1/04 00314  
 W8PNM8DE/06 00007  
 WRBUSY/04 004F5  
 WRL8GD/04 004AE  
 WRMSG/07 00000  
 WRTIME/04 004D6  
 XFFFF/04 00008  
 Y03/04 00007

BUT6E/04 00189  
 PACKXMSG/04 0007A  
 PCA/04 003C9  
 RATEBUSY/04 00463  
 RDL8G8NM/04 00052  
 RES:ABN/04 002B8  
 RGHST/04 000BC  
 R1/00000001  
 R5/00000005  
 SECAT/04 00346  
 SETLDCF4/04 003FF  
 SLASH/04 0004B  
 SR1/0000000A  
 SYNPRINT/04 00230  
 SYNTAXC/04 0022C  
 SYSUSR/04 0000D  
 TIMER/04 00331  
 TRYERR/00000005  
 UC/EXT  
 WAIT5/04 00315  
 W8RD/00000000  
 WRCLS/04 004D7  
 WRL8GG/04 004C9  
 WR88PS/04 004E7  
 WRWRITE/04 004DA  
 X1FFFF/04 00009

BUT6F/04 00195  
 PARSE/04 0038D  
 QUEST/04 0004C  
 RATEERR/04 0044A  
 RDRATERR/04 0046F  
 RES:ERR/04 002B8  
 RRATE/04 0048C  
 R2/00000002  
 R6/00000006  
 SETEABN/04 00372  
 SETLDCF6/04 00403  
 SLAVE/04 00002  
 SR2/00000009  
 SYNTAX/04 0021F  
 SYS/04 0000B  
 TEL/04 0000A  
 TIMKWD/04 00011  
 TSTD1/04 003F8  
 USRIERR/04 002CC  
 WMSGF/04 004FF  
 WRAM1/04 001DD  
 WRITEAMR/04 001D3  
 WRL8G8/04 004CE  
 WR8PEN/06 00000  
 WRX/04 004D3  
 YBLK/04 003BD

BUT8/04 001A3  
 PARSE10/04 003B2  
 RAS:RES/04 002E5  
 RATEIN/04 00421  
 RECONNECT/04 00496  
 RETREQ/04 001B8  
 RRFMSG/04 00063  
 R3/00000003  
 R7/00000007  
 SETLDCF/04 003FB  
 SETLDCF8/04 0040F  
 S8RRY/04 00032  
 SR3/0000000A  
 SYNTAXA/04 0021A  
 SYSACNT/TEXT  
 THISISIT/04 00000  
 TRIES/04 00234  
 TSTST/04 003F5  
 USRIERR1/04 002D6  
 W8PNE/04 004E2  
 WRAM2/04 001E8  
 WRL8GC/04 004D0  
 WRL8GR/04 004D1  
 WR8PN8/04 004F9  
 WRZZZZ/04 00502  
 YFFFE/04 00006

\* EXTERNAL DEFINITIONS  
 DISPLINE/05 00014  
 \* PRIMARY REFERENCES

PIJIT/EXT

SECTION1/04 00000

ACCNLSUM	ACCOUNT	AM:DATE	AM:HED	AM:LNK	AM:LOG	AM:BRG
AM:PRCUR	AM:PRMAX	AM:STDBP	AM:XACC	AM:IBILL	BIN2HEX	CBCLN
DOUBLEZERO	ERRCODEM	ERRTRY	J:ABUF	J:ASSIGN	J:CCBUF	J:EUP
J:JIT	J:XP	J:ABC	J:ACCN	JB:LC	JB:LPP	JB:MAX
JB:NFP88L	JB:PRIV	JCPP8	JEUPVP	JH:LDCF	JRNST	JTELFLGS
JUNAME	KEYBUFF	LISTL8C	M:88	M:LL	M:8C	M:UC
MIX1	MAXG	MDP8	MP8	MPP8	MUP8	8PMES

H01 18:34 SEP 08, 1975

PRDCRM	PRDPRM
SIGJOBTL	SIGUIS
SHISYMT	SLINAME
TIMBUF1	TIMFVERT
UACCOUNT	UEXTACC

RATEFLAG  
 SIGUIS  
 STDOPT  
 TMDCRM  
 UNME

CP-V LOGON/LOGOFF  
 RECORD RECSIZE  
 SB:GJOBUN SCRAM  
 SV:FTYM SV:LIM  
 TMDPRM TMPDCPK  
 UPASSWD

S:CBUP  
 SENDPMS  
 SV:RSIZ  
 TMPDPPK

91  
 SIGJOBACN  
 SH:RNM  
 TIMBUF  
 TSTACK

\* SECONDARY REFERENCES  
 MIACINIT KAS:CBP

\* NO UNDEFINED SYMBOLS  
 \* ERROR SEVERITY LEVEL: 3  
 \* ERROR LINES

1529