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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
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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/C0M	1396/C0M			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				
C8CLN	250/REF	532/LW	847/AND	1689/AND		
COMMA	1340/BNE	1342/BNE	1347-CI			
COMPRS	540-LB	547/BL				
CONCAT	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				
ECHOWTE	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				
IOERROR	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
	475/STM	492/XW	499/XW	504/STM	535/LC	540/LB
	605/STW	651/LI	663/LW	669/STW	671/LW	677/STW
	741/LW	744/LW	759/LI	771/STM	780/STB	781/STB
	1019/LC	1073/STB	1288/LI	1411/LIM	1473/LB	1480/STB
	1499/LC	1673/LC	1681.2/AND	1690.1/LC	1695/LM	1489/LC
J:XP	195/REF	592/STH	602/STH			
J:ABC						
J:ACCN	161/REF	781/STB				
	119/REF	410/LW	475/STM	498/XW	499/XW	504/STM
	949/STM	1282/LI	1695/LM			540/LB
JB:LC	167/REF	787/LI				
JB:LPP						
JB:MAX	169/REF	461/LI	463/LI	785/LI	794/LI	
JB:NFP00L	237/REF	617/LB	638/STB			
JB:PRIV	205/REF	1411/LIM				
	163/REF	574/LI	586/LI	1505/STB	1700/LB	1703/STB
JCPP0	1786/STB					1708/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	568/STW			
KEYBUFF	122/REF	472/STM	771/STM	1073/STB	1473/LB
L	187/REF	485/LI	972/LI	1687/STW	1729/DATA
LF	968/BR				
LIM	57-RES	74-RES	91-RFS	106-TEXTC	
LIMINF0	1396-COM				
LIMINF0A	652/LW	1402-RES	1408/EQU		
LIMSTORE	657/CI	1408-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:CB	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							
	298-EQU						
LR:UGMR							
	301-EQU						
LR:UNML							
	296-EQU	644/CW					
LR:UNMP							
	302-EQU	680/LI					
LR:UNMR							
	299-EQU	611/CH					
LR:UBML							
	297-EQU	642/LW					
LR:UBMR							
	300-EQU	613/LB					
LR:UPFLG							
	303-EQU	681/LI					
LR:USR							
	284-EQU	954/STM					
LT0							
	1470-TEXTC	1493/TYPE					
MIACINIT							
	251/SREF	756/LI					
M:EB							
	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:LOG							

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:X1							
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:DP8							
	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:PP8							
	197/REF	1404/LIM					
M:RCPL							

MUPB	1238-GEN	1496/CAL1					
NAMACT	203/REF	1407/LIM					
NAME	341-TXTC	1047/TYPE					
	77/D8						
NEWLINE	319-DATA	453.1/TYPE	453.1/TYPE	476/TYPE	521.5/TYPE	666/TYPE	666/TYPE
	674/TYPE	674/TYPE	689/TYPE	689/TYPE	763/TYPE	763/TYPE	843/TYPE
	905/TYPE	984/TYPE	1025/TYPE	1068/TYPE	1493/TYPE	1647/TYPE	1657/TYPE
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	1653/BE	1658/B				
NOIMGMSG	362-TXTC	1657/TYPE					
NOMAIL	1200/DATA	1201/DATA	1258-RFS				
NOMSG	793/CAL1	1085-GEN					
NO6MSG	845/BEZ	852-EQU					
NO:RATE	1540/BE	1552-RES	1583/B	1595/B			
NORETURN	897/CAL1	922/CAL1	1044/CAL1	1175-GEN	1559/CAL1		
NOTHERE	346-TXTC	984/TYPE	988/SEND				
NUM	58/D8	75/D8					

0FFMSG							
0NATM	362.1-TXTC	766.1/SEND					
00PS	344-TXTC	521.5/TYPE					
00PS1	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		
OUT5EA	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-EQU	1635/DATA				
RETREQ					
689-TYPE	1261/BE	1263/BF	1265/BE		
RETURN					
1177/DATA	1178/DATA	1270-RES			
RGHST					
431/BE	434-EQU				
RRATE					
1483/CAL1	1625-RES				
RRFMSG					
355-TXTC	1590/SEND				
S:COUP					
252.1/REF	1679/LW				
S:GJBBACN					
149/REF	438/STD				
S:GJBBTBL					
144/REF	430/CD	436/STD			
S:GUIS					
142/REF	427/MTW				
S:BUIS					
140/REF	426/MTW				
SB:GJBBUN					
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			
SETLDCF			
682/BAL	1437=RES		
SETLDCF2			
1440=LH	1461/BDR		
SETLDCF4			
1442=CH	1444/BDR		
SETLDCF6			
1443=BE	1447=LB		
SETLDCF8			
1445/B	1461=BDR		
SETRES			
424/CAL1	1633=GEN		
SH:RNM			
235/REF	602/LH		
SH:SYMT			
242/REF	1440/LH		
SL:NAME			
239/REF	642/LW		
SLASH			
347=TXTC	1050/TYPT		
SLAVE			
316=GEN	450/LPSD		
SORRY			
343=TXTC	843/TYPT		
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			
TEL	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	1418/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					
TXLBGN	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			
USRERR	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				
WBPNE	1776/CAL1	1802=DATA				
WBPNM0DE	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
WRAM2	728.1/BEZ	728.5=EQU				1414=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 SIC0UP 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

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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* 00000001

S

SYSTEM CP-V LOGON/LOGOFF
SYSTEM SIG7FDP
SYSTEM BPM

H01 18:34 SEP 08, 1975

CP-V LOGON/LOGOFF

23

51			PAGE	
52		*		
53		*	SEND MESSAGE TO OPERATOR (USES R2, SR4)	
54		*		
55	00000000	SEND	CNAME	
56			PRBC	
57		LF	RES	0
58		I	D0	NUM(AF)
59			LI,R2	AF(I)
61			CAL1,2	SEND0PMS
66			FIN	
67			PEND	
68		*		
69		*	SEND MESSAGE TO TERMINAL USER (USES R2, R3)	
70		*		
71	00000000	TYPES	CNAME	0
72	00000001	TYPE	CNAME	1
73			PRBC	
74		LF	RES	0
75		I	D0	NUM(AF)
76			LI,R2	AF(I)
77			D0	NAME
78			LB,R3	AF(I)
79			CAL1,1	ERIDMSG
80			FLSE	
81			CAL1,1	ERIDMSGS
82			FIN	
83			FIN	
84			PEND	

H01 18134 SEP 08, 1975

CP-V LOGON/LOGOFF

24

```
85 PAGE
86 *
87 * PRBC TO SET UP ERROR CODE MESSAGE (USES R2, R4)
88 *
89 00000000 SETERROR CNAME
90 PRBC
91 LF RES 0
92 D01 AF(1) R2
93 LW,R2 AF(1)
94 BAL,SR4 BIN2HEX
95 LI,R2 1=1
96 STB,R2 R4
97 STW,R4 ERRCODEM+3
98 PEND
99 *
100 * PRBC TO GENERATE TEXTC CODE WITHOUT LISTING HEX
101 *
102 00000000 TXTC CNAME
103 PRBC
104 DISP $
105 LIST 0
106 LF TEXTC AF
107 LIST 1
108 PEND
```

PAGE	DEF	SECTION1	START OF CONTROL SECTION CONTAINING PROCEDURE
109			
110			
111	*,*		
112	DEF	P:JIT	EQU; EQUATED WITH J:JIT IN LOGON
113	REF	SENDOPMS	PLIST TO SEND ERROR MESSAGES TO UC
114	REF	TIMEVERT	CONVERT TIME=ON TO MINUTES FROM
115	*,*		MIDNIGHT
116	REF	M:EO	DCB FOR READING IRATE AND IUSERS FIL
117	REF	M:UC	DCB FOR READING TERMINAL INPUT AND
118	*,*		SENDING ERROR MESSAGES TO TERMINAL
119	REF	JACCN	OUTPUT; EQU; DISPLACEMENT IN JIT
120	*,*		USED TO SAVE ACCOUNT SPECIFIED AT
121	*,*		LOGON TIME
122	REF	JUNAME	OUTPUT; EQU; DISPLACEMENT IN JIT
123	*,*		USED TO SAVE NAME SPECIFIED AT
124	*,*		LOGON TIME
125	REF	J:ABUF	OUTPUT; INITIALIZE ASSIGN=MERGE
126	*,*		ADDRESS AT LOGON TIME
127	REF	ACCOUNT	OUTPUT; RETAIN USER'S NAME SPECIFIED
128	*,*		AT LOGON TIME
129	REF	JTELFLGS	OUTPUT; INITIALIZE TO ZERO AT
130	*,*		AT LOGON TIME
1*	REF	STDOPT	INPUT; DEFAULT SETTING FOR J:OPT
2*	*,*		STORED IN AMISTDOP IN A/M RECORD
133	REF	ACCNTSUM	COMPUTE, DISPLAY, LOG ACCOUNTING
134	*,*		INFORMATION
135	REF	RATEFLAG	OUTPUT; FLAG SET TO INDICATE TO ACCTS
136	*,*		A RATE FILE DOES/DOESN'T EXIST
137	REF	J:CCBUF	OUTPUT; NAME OF AUTO-CALL PROCESSOR
138	*,*		SPECIFIED IN IUSERS RECORD
139	REF	J:JIT	INPUT/OUTPUT; USER INFORMATION
140	REF	S:OUIS	OUTPUT; INCREMENT ON-LINE USERS IN
141	*,*		SYSTEM WHEN NON-COC USER LOGGING ON
142	REF	S:GUIS	OUTPUT; DECREMENT GHOST USERS IN SYST
143	*,*		WHEN NON-COC USER LOGGING ON
144	REF	S:GJOBTL	OUTPUT; REMOVE LOGON FROM GHOST TABLE
145	*,*		FOR NON-COC USER LOGGING ON

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

H01 18134 SEP 08, 1975

CP-V LOGON/LOGOFF

27

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

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	TMPDPPK	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

Line	Text	Code	Field	Description
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	AMIXACC	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		**		
1*		REF	S:COUP	JOB INITIATION ACCOUNTING ROUTINE COUPLING/LOGD CONTROL CELL
254		**		
255		**		
256		REF	M:OC	ALSO CONTROLS LOGGING OF UNSUCCESSFUL LOGON ATTEMPTS
257		DEF	DISPLINE	FOR TELLING OC OF UNSUCCESSFUL ATTEMP
258	EXT	LIST	LISTLOC	WHY DID JOHN DO THIS ONE
259	EXT	UC	M:UC	
260	EXT	M:LOG	M:EB	
261	EXT	M:RATE	M:EB	
262	TEXT	SYSACCNT	' :SYS	
263	TEXT	SYSUNAME	'LBE	

Address	Hex	Symbolic	Page	Value	Description
264			PAGE		
265		* SYMBOLIC REGISTER DEFINITIONS			
266	00000000	R0	EQU	0	
267	00000001	R1	EQU	1	
268	00000002	R2	EQU	2	
269	00000003	R3	EQU	3	
270	00000004	R4	EQU	4	
271	00000005	R5	EQU	5	
272	00000006	R6	EQU	6	
273	00000007	R7	EQU	7	
274	00000008	SR1	EQU	8	
275	00000009	SR2	EQU	9	
276	0000000A	SR3	EQU	10	
277	0000000B	SR4	EQU	11	
278	0000000C	D1	EQU	12	
279	0000000D	D2	EQU	13	
280	0000000E	D3	EQU	14	
281	0000000F	D4	EQU	15	
282		* DISPLACEMENT VALUES FOR LOGIN RECORD			
283	00000000	LR:ACC	EQU	0	ACCOUNT
284	00000002	LR:USR	EQU	2	USER NAME
285	00000005	LR:IFG	EQU	5	READ
286	00000006	LR:PW	EQU	6	PASSWORD
287	00000008	LR:ICPP	EQU	8	AUTO-CALL PASSWORD
288	0000000A	LR:ICPA	EQU	10	AUTO-CALL ACCOUNT
289	0000000C	LR:ICPN	EQU	12	AUTO-CALL PROCESSOR LMN NAME
290	0000000F	LR:BIL	EQU	15	BATCH,ON-LINE,GHOST BILLING
291	00000010	LR:PRIV	EQU	16	BATCH,ON-LINE,GHOST PRIVILEGE
292	00000012	LR:ARAD	EQU	18	ACCU, PERM RAD SPACE
293	00000014	LR:IDMR	EQU	20	DEF AND MAX FILE RETENTION PERIODS
294	00000016	LR:ADIS	EQU	22	ACCU PERM DISK SPACE
295	00000018	LR:IEACCT	EQU	24	EXTENDED ACCOUNTING INFORMATION
296	0000001E	LR:UNML	EQU	30	USER LIMIT SPECIFICATION TABLE (HALFWORD)
297	0000003E	LR:U0ML	EQU	62	ON-LINE LIMIT
298	0000004E	LR:UGML	EQU	78	GHOST LIMIT
299	0000005E	LR:UNMR	EQU	94	RESOURCE NAME TABLE (HALFWORD)
300	0000006A	LR:U0MR	EQU	106	ON-LINE RESOURCE VALUE (BYTE)

NO1	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	S	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	FFFE0000 A	YFFFE	DATA	X'FFFE0000'
321	04	00007	03000000 A	Y03	DATA	X'03000000'
322	04	00008	0000FFFF A	XFFFF	DATA	X'FFFF'
323	04	00009	0001FFFF A	X1FFFF	DATA	X'1FFFF'
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 ON! LAST BYTE IS EOT'

***LOGON'S RETURN TO SLAVE MODE**

NEW LINE MESSAGE

CP-V LOGON/LOGOFF

18:34	SEP 08, 1975			
344	04 0003A	BNATM	TXTC	'BN AT '
345	04 0003C	DOWN	TXTC	'UNRECOVERABLE I/O ON RAD'
346	04 00043	NBTHERE	TXTC	'ABNORMAL ERROR ON LOGON FILE'
347	04 00045	SLASH	TXTC	'/'
348	04 0004C	QUEST	TXTC	' '
349	04 0004D	MAILMSG	TXTC	'CHECK DC/MAILBOX'
350	04 00052	RDL0G0NM	TXTC	'UNRECOVERABLE ERROR READING USERS FILE'
354	04 0005C	ARFMSG	TXTC	'UNABLE TO ACCESS RATE FILE'
355	04 00063	RRFMSG	TXTC	'UNABLE TO READ RATE FILE'
356	04 0006A	0PNRFMSG	TXTC	'UNABLE TO OPEN RATE FILE'
357	04 00071	FILEXMSG	TXTC	'FILE STORAGE LIMIT EXCEEDED(RAD)'
358	04 0007A	PACKXMSG	TXTC	'FILE STORAGE LIMIT EXCEEDED(PACK)'
1*	04 00083	L0FFMSG	TXTC	'INSTALLATION PROHIBITS YOUR LOGGING ON'
360	04 0008D	AMERRMSG	TXTC	'UNABLE TO WRITE ASSIGN-MERGE RECORD'
361	04 00096	HELDMSG	TXTC	'PROGRAM HELD, RECONNECT '
362	04 0009D	NBIMGMSG	TXTC	'HELD PROGRAM TIMED OUT.'
1*	04 000A3	0FFMSG	TXTC	'OFF'

* ASSIGN/MERGE TABLE IMAGE

363					
364	05 00000		CSECT	0	DATA AREA
365	05 00000		MERTAB	FQU	\$
1*	05 00000			DB1	9
368	05 00000	00000000		DATA	0
	05 00001	00000000			
	05 00002	00000000			
	05 00003	00000000			
	05 00004	00000000			
	05 00005	00000000			
	05 00006	00000000			
	05 00007	00000000			
	05 00008	00000000			
369	05 00009		DB1	3	USER NAME (3 WDS)
370	05 00009	40404040	DATA	X140404040	
	05 0000A	40404040			
	05 0000B	40404040			
371	05 0000C	00000000	DATA	0	LOGON TIME
372	05 0000D	00000000	DATA	0	BILLING TIME
373	05 0000E		DB1	6	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 7B7B6B40 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.

	USECT	THISISIT	RESUME PT 1
LOGON	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	LW,R4	J:JIT+JACCN	NO, GET ACCOUNT FIELD
411	04	000A7	69300415		BNEZ	LOGOFF	REGULAR USER LOGGING OFF
412	04	000A8	680000CB		B	LOGON:CB	REGULAR USER LOGGING ON
413							
414		04	000A9		* GHST	* MUST BE GHST- SEE IF NON-CBC USER LOGGING ON, OR GHST LOGOFF	
415	04	000A9	52100000	X	GHST	FGU	\$
416	04	000AA	21100060	A	LH,R1	M:UC	IF UC IS OPEN/HAS BEEN OPEN, HE IS
417	04	000AB	69400415		CI,R1	X'60'	...LOGGING OFF
418	04	000AC	2210FFFF	A	BANZ	LOGOFF	B/ M:UC IS OPEN
419	04	000AD	45100001	N	LI,R1	X'FFFF'	MASK TO PICK UP DEVICE NAME
420	04	000AE	2110F4C3	A	AND,R1	M:UC+1	DEVICE NAME (UC,MC,ETC...)
421	04	000AF	68300415		CI,R1	'UC'	IF UC, THIS IS NOT A NON-CBC USER
422	04	000B0	023000A0	A	BE	LOGOFF	LOG OFF REGULAR GHST
423	04	000B1	74000000	X	LCFI	10	MAKE THIS FLAG
424	04	000B2	04100490		STCF	J:JIT	FOR THE 'NON CBC' USER
425	04	000B3	04600004		CAL1,1	SETRES	SET ERR/ABN FOR IMPLICIT OPEN
426	04	000B4	33100000	X	CAL1,6	MASTER	GO MASTER MODE TO CHANGE LOW CORE
427	04	000B5	33F00000	X	MTW,1	S:DUIS	BUMP ONLINE USERS IN SYSTEM
428	04	000B6	22100000	N	MTW,-1	S:GUIS	DECREMENT GHSTS IN SYSTEM
429	04	000B7	12200000		LI,R1	MAXG	MAX LENGTH OF GHST TABLES
430	04	000B8	11220000	X	LD,R2	TXLOGON	BUR NAME IN TEXTC
431	04	000B9	683000BC		CD,R2	S:GJOBTL,R1	FIND LOGON'S POSITION IN TABLES
432	04	000BA	641000B8		BE	RGHST	GETCHA
433	04	000BB	680000CB		BDR,R1	\$=2	
434		04	000BC		B	LOGON:CB	*****WEIRD*****
435	04	000BC	12200000	X	RGHST	RGHST	
436	04	000BD	15220000	X	EQU	\$	
437	04	000BE	75220000	X	LD,R2	DOUBLEZERO	
438	04	000BF	15220000	X	STD,R2	S:GJOBTL,R1	BLAST LOGON OUT OF THE GHST TABLES
439	04	000C0	22100000	N	STB,R2	SB:GJOBUN,R1	CLEAR USER NUMBER
440	04	000C1	35100000	X	STD,R2	S:GJOBACN,R1	CLEAR LOGON'S ACCOUNT NUMBER
441					LI,R1	JEUPVP	LOWER USER'S VIRTUAL
442	04	000C2	22100000	N	STW,R1	J:EUP	TOP ADDRESS BELOW TEL.....
443	04	000C3	683002BE		SREF	RAS:CBP	EXISTS ONLY IN 560 SYSTEMS
444	04	000C4	2210FFFF	A	LI,R1	RAS:CBP	IS 560 SYSTEM
445	04	000C5	45100000	X	BEZ	NO:RES	SHOULD HAVE NEVER HAVE GOTTEN HERE
446	04	000C6	75100000	X	LI,R1	X'FFFF'	OKAY - MASK TO PICK
					AND,R1	J:JIT	UP USER NUMBER
					STB,R1	RAS:CBP	SAVE IT FOR RAS HANDLER

447 04 000C7 22100002 A
 448 04 000C8 22000000 A
 449 04 000C9 75020000 X
 450 04 000CA 0E000002
 451 04 000CB 04800315
 453 04 000CC 22200005
 1* 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:CB EQU \$
 CAL1,8 WAIT5
 TYPE NEWLINE,TIM,NEWLINE

 CAL1,8 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
 GO SLAVE 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 000F0 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 ACCAUNT IS VALID
 *

CW,D3 RECORD

509 04 00109 693002FB
 510 04 0010A 31F00001 N
 511 04 0010B 693002FB
 512
 513
 514
 515 04 0010C 33000006 N
 516 04 0010D 68300112
 517 04 0010E 02200020 A
 518 04 0010F 2A200006 N
 519 04 00110 11200000 X
 520 04 00111 6930024F
 521 04 00112
 1* 04 00112 04800331
 2* 04 00113 22200000 N
 3* 04 00114 35840000 05
 4* 04 00115 6A800000 X
 5* 04 00116 22200005
 04 00117 72300005
 04 00118 0410031C
 04 00119 2220003A
 04 0011A 7230003A
 04 0011B 0410031C
 6* 04 0011C 22300010 A
 7* 04 0011D 22200000 N
 04 0011E 0410032C
 522 04 0011F 32200000 X
 523 04 00120 31200010
 524 04 00121 69300127
 525 04 00122 223FFFFA A
 526 04 00123
 527 04 00123 3226001E N
 528 04 00124 68300127
 529 04 00125 35260006 N
 530 04 00126 65300123
 531 04 00127
 532 04 00127 32200000 F

BNE BUMMER1
 CW,D4 RECORD+1
 BNE BUMMER1
 *
 * PERFORM VALIDITY TEST ON SUPPLIED PASSWORD
 *
 MTW,0 LR;PW+RECORD WAS A PASSWORD SPEC'D
 BEZ LOGIT NO
 LCI 2
 LM,R2 LR;PW+RECORD DOES PASSWORD MATCH
 CD,R2 UPASSWD
 BNE NOACCESS NO, ERROR
 LOGIT RES 0
 CAL1,8 TIMER
 LI,R2 AM;DATE SAVE DATE FOR A-M RECORD
 STW,SR1 MERTAB,R2
 BAL,SR4 TIMEVERT TIME ON TO TIMBUF1 (SECNDS FROM MID.)
 TYPE NEWLINE,ONATM
 LI,R3 16
 TYPES TIMBUF
 LW,R2 UEXTACC USE EXT. ACCTG. SPEC. AT LOGON TIME
 CW,R2 BLANKS ANY SPECIFIED
 BNE LOGIT10 YES
 LI,R3 =6 NO, USE EXT. ACCTG. FROM :USERS RECO
 LOGIT5 RES 0
 LW,R2 RECORD+LR;EACCT+6,R3
 BEZ LOGIT10
 STW,R2 UEXTACC+6,R3
 BIR,R3 LOGIT5
 LOGIT10 RES 0
 LW,R2 M;UC+CBCLN LOAD LINE NUMBER

533	04	00128	6AB00000	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	\$+2	NO
537	04	0012C	224004C3	A	LI,R4	'MC'	YEP FLAG HIM
538	04	0012D	55460001	N	STH,R4	0PMES+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	0PMES+2,R3	YES; GO GET ACCOUNT, OTHERWISE
544	04	00133	20300001	A	AI,R3	1	PUT NAME INTO 0PMES
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	0PMES+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	0UT1	YES;
555	04	0013E	75260002	N	STB,R2	0PMES+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	1?	HAS END OF NAME BEEN REACHED
559	04	00142	6910013B		BL	NEXLOOP	NO;
560	04	00143	20300007	A	0UT1	AI,R3	YES;
561	04	00144	75300000	X	STB,R3	0PMES	STORE BYTE COUNT INTO MESSAGE
562	04	00145	22200000	N	SEND	0PMES	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	0UT3	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	0UT3	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	0UT3A		
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			0UT3A	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	0UT4	USE DEFAULT	
602	04	00165	55260000	X	STH,R2	J;XP,R3	STORE INTO JIT	
603					**FILE EXTENSION BITS			
604	04	00166	2221FFFF	A	0UT4	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	LW,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='ICB', CHANGE TO PAGES
620	04	00175	2120C3D6	A		CI,R2	'ICB'	
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

645	04	00185	68300188	BE	0UT6C	YES
646	04	00186	64300184	BDR,R3	0UT6B	
647	04	00187	68000195	B	0UT6F	NOT FOUND
648	04	00188	3266003E N	0UT6C	LW,R6	RECORD+LR:U0ML,R3 GET :USERS VALUE
649	04	00189	31200011	0UT6E	CW,R2	TIMKWD IGNORE 'TIME' AS N/A TO ON-LINE USER
650	04	0018A	68300195	BE	0UT6F	
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	2540007A 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	0UT6F	BDR,R1	0UT6A 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	0UT8	
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	0UT8	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	0UT9	

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

TYPE

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 0PNMAIL 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

HO1 18:34 SEP 08, '75

CP-V LOGON/LOGOFF

44

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 \$

CP-V LOGON/LOGOFF

Line	Address	Mode	Value	Op	Reg	Op	Reg	Value	Comment
741	04 001DD	F	32200000	LW,R2		J:JIT+PRDCRM			PERM RAD SPACE RMNG AT LOGON
1*	04 001DE	N	35220014	STW,R2		AM:BRG+20,R1			
743				*					
744	04 001DF	F	32200000	LW,R2		J:JIT+PRDPRM			PERM PACK SPACE RMNG AT LOGON
1*	04 001EO	N	35220015	STW,R2		AM:BRG+21,R1			
2*				*					
3*	04 001E1	X	32200000	LW,R2		STD0PT			MOVE DEFAULT FOR
4*	04 001E2	X	35220000	STW,R2		AM:STD0P,R1			J:0PT TO A/M RECORD
5*				*					
6*	04 001E3	A	22200000	LI,R2		0			INITIALIZE TO ZERO
7*	04 001E4	X	35220000	STW,R2		AM:PRMAX,R1			
8*	04 001E5	X	35220000	STW,R2		AM:PRCUR,R1			
9*	04 001E6	X	35220000	STW,R2		AM:LNK,R1			SET LINK = 0
746				*					
1*	04 001E7	A	223FFFFA	LI,R3		=6			
2*	04 001E8	N	32260006	WRAM2 LW,R2		UEXTACC+6,R3			STORE EXT. ACCT. INFO.
3*	04 001E9	X	35220000	STW,R2		AM:XACC,R1			
4*	04 001EA	A	20100001	AI,R1		1			
5*	04 001EB		653001E8	BIR,R3		WRAM2			
6*				*					
7*	04 001EC	N	22100000	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				*					* NOW THAT AUTH0ZN. CHECKS ARE MADE, EXIT TO THE INSTALLATION JOB
749				*					* INITIATION ROUTINE VIA REG. 15
750				*					* REG.3 CONTAINS THE ADDRESS OF IMAGE OF LOGON REC. AND REG.5 THAT
751				*					* OF JIT. THE INSTALLATION CAN THEN POLICE THE JOB AND /OR
752				*					* MODIFY THE JIT
753				*					* UPON RETURN, IF REG.3 SET TO 0, THE JOB WILL BE AUTO. LOGGED OFF
754				*					* REG.5 EXCEPT 3 ARE EXPECTED TO BE INTACT
755				*					
756	04 001F0	N	22F00000	LI,D4		M:ACINIT			
757	04 001F1		68300203	BEZ		EVTHN0K			
758	04 001F2	N	22300000	LI,R3		RECORD			
759	04 001F3	N	22500000	LI,R5		J:JIT			
760	04 001F4	A	EAF0000F	BAL,D4		*D4			

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 EVTHNOK
 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
 781 04 0020A 35000006 N
 782 04 0020B 35000007 N
 783 04 0020C 22000036 A
 784 04 0020D 22100000 N
 785 04 0020E 75020000 A
 786 04 0020F 22100000 N
 787 04 00210 20000001 A
 788 04 00211 75020000 A
 789 04 00212 2200005C A
 790 04 00213 6AF004AE
 791 04 00214

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
 EVTHNOK EQU \$
 LCI 3
 LM,R0 ACCBUNT PUT USER NAME INTO JIT
 STM,R0 J:JIT+JUNAME
 CAL1,8 FSI
 BCR,8 RECONNECT WE'VE GOT A HELD PROGRAM
 ABCONNECT EQU \$
 LI,R0 0
 STB,R0 J:JIT+JRNST INSURE ERROR CELLS ARE NULL
 STB,R0 J: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 !*!
 BAL,15 WRL0GD GO WRITE !LOGD RECORD.

H01 12:34 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 M:UC 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 6820024B
 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 INQUIRE RETRY LOG=ON

*
 * 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 N00CMG 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
 N00CMG 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
870 04 0024F 32200010
871 04 00250 35200006 N
872 04 00251 35200007 N
879
880
881
882 04 00252 6AB00234
883 04 00253 22200028
04 00254 72300028
04 00255 0410031C
884 04 00256
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 LOGON 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

IBERROR RES 0
CAL1,1 N0RETURN 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 USERS FILE.
SEND RDL0G0NM,ERRC0DEM 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 18:34 SEP 08, '75

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:CO: SET PRIV. LEVEL TO :CO: FOR BATCH AN
 STH,R0 LR:PRIV+RECORD
 LCI 7 SET UP FPT FOR OPENING LOGON FILE IN
 LM,R0 OPENLOGON BUTIN MODE
 STM,R0 LIST
 LI,R0 8 CREATE AS BUTIN
 LCI 13
 LM,R1 OPENLOGON+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

54

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

985		
986		
987		
988	04 002B3	22200043
	04 002B4	04200000 X
	04 002B5	22200000 N
	04 002B6	04200000 X

989		
990		
991		
992		
993		
994		
995	04 002B7	68000239

```

*E* MESSAGE: ABNORMAL ERROR ON LOGON FILE
*E* DESCRIPTION: TROUBLE WITH :USERS FILE DETECTED WHILE LOGGING
*E* A USER ON.
SEND N0THERE,ERRCODEM TELL OPERATOR

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

```

PAGE

996						
997						
998						
999						
1000	04	002B8				
1001		04	002B8			
1002	04	002B8	7210000A	A		
1003	04	002B9	21100049	A		
1004	04	002BA	683002BE			
1005	04	002BB	222002EE			
	04	002BC	04200000	X		
1006						
1007						
1008						
1009	04	002BD	04900001	A		
1010		04	002BE			
1011	04	002BE	222002E5			
	04	002BF	04200000	X		
1012						
1013						
1014						
1015	04	002C0	04900001	A		
1016						
1017						
1018		04	002C1			
1019	04	002C1	70200000	X		
1020	04	002C2	6820017F			
1021	04	002C3	222002CC			
	04	002C4	04200000	X		
1022						
1023						
1024						
1025	04	002C5	22200005			
	04	002C6	72300005			
	04	002C7	0410031C			
	04	002C8	222002D6			
	04	002C9	723002D6			

* * *						
						GET AN ABNORMAL FROM THE M:UC DCB
RES:ERR	FGU	\$				
RES:ABN	FGU	\$				
	LB,R1	10				GET I.B ERROR CODE
	CI,R1	X1491				IS RESOURCE ERROR
	BE	NO:RES				CANT GET THHE RESOURCE
	SEND	RAS:USR				TELL OPERATOR COUNDNT GET RESOURCE
B	MESSAGE:	ID	**LOGON:	CANNOT LOGON RESOURCE REQUESTED		
B	ACTION:			CONTACT SYSTEMS ANALYST OR MANAGER.		
B	MEANING:			CANNOT ACQUIRE SPECIFIED RESOURCE.		
		CAL1,9	1			AND EXIT
NO:RES	FGU	\$				
	SEND	RAS:RES				TELL OPERATOR COUNDNT DO IT
B	MESSAGE:	ID	**LOGON:	CANNOT LOGON RESOURCE REQUESTED		
B	ACTION:			CONTACT SYSTEMS ANALYST OR MANAGER.		
B	MEANING:			ILLEGAL RESOURCE SPECIFIED.		
		CAL1,9	1			AND EXIT
* *						
JCUSRERR	FGU	\$				
	LC	J:JIT				BUT IS USER REALLY CONNECTED
	BCR,2	OUTSEA				NO - MY FAULT....
	SEND	USR:ERR				DEFINITELY WRONG
B	MESSAGE:	ID	**LOGON:	USER NOT AUTHORIZED TO USE MC		
B	ACTION:			NONE		
B	MEANING:			USER WASNIT AUTHORIZED VIA SUPER TO USE MC RESOURCE		
	TYPE	NEWLINE,USR:ERR1				TELL USER AT STATION

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;

W01 18134 SEP 08, 1975

CP-V LOGON/LOGOFF

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 N0RETURN 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 0PENIT

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'S 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		WAIT1	RES 0
1080	04	00314	0F000001	A	GEN,8,24 XIF,1
1081	04	00315	0F000002	A	WAIT5 GEN,8,24 XIF,2
1082					
1083					* PLIST FOR WRITING NULL MSG TO M:UC TO SET BDT TO ZERO
1084					
1085	04	00316	11000000	N	NBMSG GEN,8,24 X:11,UC
1086	04	00317	34000000	A	DATA X:34000000!
1087	04	00318	0000031B		WRITE TO UC
1088	04	00319	00000001	A	P3,P4,P6
1089	04	0031A	00000000	A	DATA CARRRTRN
1090	04	0031B	15000000	A	DATA 1
1091					DATA 0
1092					DATA 0
1093					CR TO GET FIRST TOP OF PAGE
1094	04	0031C	11000000	N	CARRRTRN DATA X:15000000!
1095	04	0031D	34000000	A	
1096	04	0031E	80000002	A	* PLIST FOR OUTPUT MESSAGES TO USER CONSOLE.
1097	04	0031F	80000003	A	
1098	04	00320	00000001	A	
1099	04	00321	01000000	A	ERIDMSG GEN,8,24 X:11,UC
1100	04	00322	80000000	A	DATA X:34000000!
1101	04	00323	00000324		GEN,1,31 1,R2
1102	04	00324	1F	A	GEN,1,31 1,R3
	04	00324	1	A	DATA 1
	04	00324	2	A	MCLL GEN,8,24 1,0
	04	00324	3	A	PZE *0
1103	04	00325	5C5C40E2	A	DATA \$+1
	04	00326	E3C1F3C9	A	MCLLMSG DATA,1 MCLLCNT,21,21,64
	04	00327	D6D540D9	A	
	04	00328	C5D3C5C1	A	
	04	00329	E2C5C440	A	
	04	0032A	5C5C4040	A	

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 1C000000 A FSI GEN,8,24 X'1C',0
1227 *
1228 * PLIST FOR ASSOCIATING HELD PROGRAM
1229 *
1230 04 00377 1C000001 A ASI GEN,8,24 X'1C',1
1231 *
1232 * PLIST FOR DECOUPLING TERMINAL
1233 *
1234 04 00378 1D800000 A MDCPL DATA X'1D800000' 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 18134 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 18134 SEP 08, 1975

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

CP-V LOGON/LOGOFF

68

BAL,SR3	SCAN	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 CHARBK
 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 BK
 RESET POSITION TO START OF FIELD

HC1 18134 SEP 08, '75

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

CP-V LOGON/LOGOFF

*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	
D8IT	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	D8IT	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;NFP00L=BA(J;JIT) FPOOL
 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 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	X180001
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

HO1 18:34 SEP 08, '75

1461 04 0040F 641003FD
1462 04 00410 E800000B A

SETLDCF8 BDR,R1
B

CP-V LOGON/LOGOFF

SETLDCF2
*SR4

GET NEXT DEVICE NAME

74

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

 *
 * FNDJOB/LOGOFF PROCESSOR *
 *

LT0 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 J;JIT+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 J;JIT HERE WITH NO UNAME
 BCR,8 LOGOFFX1 AVOID IF NOT ON=LINE
 CI,SR3 0
 BE LOGOFFX1 A/M WRITE ERROR
 TYPE NEWLINE,LT0 HE PROBABLY TIMED OUT

H01 18134 SEP 08, '75

CP-V LOGON/LOGOFF

76

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

DECOUPLE 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 XI151,0,M:LL
 DATA XI80000000!
 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 XI14! BRANCH TO IRATEBUSY! IF THE FILE
 BE RATEBUSY IS BUSY
 CI,SR3 XI2E!
 BE RATEBUSY
 CI,SR3 XI4C!
 BE RATEBUSY
 CI,SR3 XI75! THIS IS TO SEE IF THE ERROR WAS DUE
 BE FDERROR1 TO A BAD FILE DIRECTORY
 SETERROR SR3 BUILD ERROR CODE MESSAGE

SEND 0PNRFMSG,FRRCODEM

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

0 MESSAGE: ID UNABLE TO ACCESS RATE FILE
 0 ERROR CODE=XX
 0 ACTION: ACTION VARIES WITH ERROR TYPE (SEE BATCH PROCESSING
 0 REFERENCE MANUAL FOR ERROR CODES.)
 0 MEANING: LOGON IS UNABLE TO ACCESS THE RATE FILE DUE TO A BAD
 0 ACCOUNT DIRECTORY.
 B NORATE 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

PAGE

RATE FILE PARAMETER LISTS

```

1596
1597
1598
1599
1600 04 00479          *
1601 04 00479          * BRATE RES 0
1602 04 0047A          * GEN,8,24 X'14',MIRATE OPEN RATE FILE
1603 04 0047B          * DATA X'FF400009' P1,P2,P3,P4,P5,P6,P7,P8,P10,F9,F12
1604 04 0047C          * DATA RATEERR ERROR RETURN ADDRESS
1605 04 0047D          * DATA RATEERR ABNORMAL RETURN ADDRESS
1606 04 0047E          * DATA RECORD BUFFER AREA
1607 04 0047F          * DATA 288 MAX SIZE EQUALS 72 WORDS
1608 04 00480          * DATA 10 RECOVERY TRIES
1609 04 00481          * DATA 1 CONSECUTIVE
1610 04 00482          * DATA 1 SEQUENTIAL ACCESS
1611 04 00483          * DATA 2 INPUT MODE
1612 04 00484          * DATA X'07000000' SAVE
1613 04 00485          * DATA X'08000000' NULLIFY SN THAT MIGHT BE CARRIED
1614 04 00486          * DATA X'01000202' OVER FROM PREV. ACT. THGH M;EQ DCB
1615 04 00487          * TEXTC 'IRATE' FILE NAME
1616 04 00488          *
1617 04 00489          * DATA X'02010202' ACCOUNT
1618 04 0048A          * TEXT SYSACCNT
1619 04 0048B          *
1620 04 0048B          *
1621 04 0048B          *
1622
1623
1624
1625 04 0048C          *
1626 04 0048C          * RRATE RES 0
1627 04 0048D          * GEN,8,24 X'10',MIRATE READ RATE FILE
1628 04 0048E          * DATA X'C0000000' P1,P2
1629 04 0048F          * DATA RDRATERR ERROR RETURN ADDRESS
1630 04 0048F          * DATA RDRATERR ABNORMAL RETURN ADDRESS
1631
1632
1633 04 00490          *
1634 04 00491          * SETRES GEN,8,24 6,M;UC
1635 04 00491          * GEN,8,24 X'C01,0

```

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

*
*
*
CRATE

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

CLOSE RATE FILE

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,RO RECORD SEE WHAT HE TYPED
 CI,RO C'I' DID IT START WITH 'Y'
 BE MASI YES
 CI,RO 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, NBIMGMSG 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 DB.
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, 175

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.....

```

1712 PAGE
1713
1714 *
1715 * FRT TO CRAM TIME AND DATE INTO RECORD
1716 *
1716 04 004D6 10000007 N WRTIME GEN,8,24 X'10',RECORD+7
1717 *
1718 * CLOSE :LOGD FILE ON MIEB, SAVE
1719 *
1720 04 004D7 15000000 N WRCLS GEN,8,24 X'15',MIEB
1721 04 004D8 80000000 A GEN,1,31 1,0 P1
1722 04 004D9 00000002 A DATA 2 SAVE
1723 *
1724 * WRITE THE RECORD INTO THE FILE
1725 *
1726 04 004DA 11000000 N WRWRITE GEN,8,24 X'11',MIEB
1727 04 004DB FC000040 A DATA X'FC000040' P1-P6, BNEWKEY
1728 04 004DC 000004E2 DATA WBPNE,WBPNE ERROR AND ABNORMAL
1728 04 004DD 000004E2
1729 04 004DE 00000000 N DATA RECORD,44,KEYBUFF,0
1729 04 004DF 0000002C A
1729 04 004E0 00000000 N
1729 04 004E1 00000000 A

1730 *
1731 * OPEN THE :LOGD FILE IN :SYS
1732 * IN CSECT 0 BECAUSE WE MAY CHANGE MODE FROM INOUT TO OUT
1733 * TO CREATE THE FILE.
1734 *
1735 06 00000 CSECT 0
1736 06 00000 14000000 N WRBPEN GEN,8,24 X'14',MIEB
1737 06 00001 CF480009 A DATA X'CF480009' LOTS OF PARAMETERS....
1738 06 00002 000004E2 04 DATA WBPNE P1= ERR ADDR
1739 06 00003 000004E2 04 DATA WBPNE P2= ABN ADDR
1740 06 00004 0000000A A DATA 10 P5= TRIES=10
1741 06 00005 00000002 A DATA 2 P6= KEYED
1742 06 00006 00000002 A DATA 2 P7= DIRECT
1743 06 00007 00000304 A WBPNMODE DATA X'304' P8= INOUT SHARE, MAY BE OUT
1744 06 00008 00000002 A DATA 2 P10= SAVE

```

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
TEXT '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 W0PNM0DE
B WRL0G0 AND G0 TRY AGAIN.

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

*
* FPT 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 FPT
*
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 0035C
 LOGOFF/04 00415
 LOGOFFX3/04 0043D
 LOGRECSZ/0000007E
 LR:ARAD/00000012
 LR:CPP/00000008
 LR:PRIV/0000001U
 LR:UNML/0000001E
 LR:UGMR/0000006A
 M:LOG/EXT
 MASTER/04 00004
 MDCPL/04 00378
 NAMACT/04 0002B
 NR:RFS/04 002BE
 NEMAIL/04 00384
 NRETURN/04 00394
 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
 LOP/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
 NEXL88P/04 0013B
 NBCONNECT/04 00208
 NB8CMMSG/04 0024D
 BFFMSG/04 000A3
 BPNIT/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
 LIMINF8A/00000006
 L8FFMSG/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
 NBIMGMSG/04 0009D
 NBATE/04 0045E
 BNATM/04 0003A
 BPNLOGON/04 00338
 BUT1/04 00143
 BUT5A/04 00169
 BUT5E/04 00178
 BUT6B/04 00184

18134 SEP 08, 175

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

* EXTERNAL DEFINITIONS
 DISPLINE/05 00014

* PRIMARY REFERENCES

ACCNLSUM	ACCAUNT
AM:PRCUR	AM:PRMAX
DOUBLEZERO	ERRCBDEM
J:JIT	J:XP
JB:NFP88L	JB:PRIV
JUNAME	KEYBUFF
MIX1	MAXG

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

P:JIT/EXT

AM:DATE
AM:STDBP
ERRTRY
J:ABC
J:CPP8
LISTL8C
MDP8

CP-V L8G8N/L8G8FF

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
 USR:ERR/04 002CC
 WMSGF/04 004FF
 WRAM1/04 001DD
 WRITEAMR/04 001D3
 WRL8G8/04 004CE
 WR8PEN/06 00000
 WRX/04 004D3
 YBLK/04 0038D

SECTION1/04 00000

AM:HED	AM:LNK
AM:XACC	AM:H:BILL
J:ABUF	J:ASSIGN
J:ACCN	JB:LC
JEUPVP	JH:LDCF
M:88	M:LL
MP8	MPP8

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
 USR:ERR1/04 002D6
 W8PNE/04 004E2
 WRAM2/04 001E8
 WRL8GC/04 004D0
 WRL8GR/04 004D1
 WR8PN8/04 004F9
 WRZZZZ/04 00502
 YFFFE/04 00006

AM:L8G	AM:8RG
BIN2HEX	CBCLN
J:CCBUF	J:EUP
JB:LPP	JB:MAX
JRNST	JTELFLGS
M:8C	M:UC
MUP8	8PMES

H01 18:34 SEP 08, 1975

PRDCRM	PRDPRM
SIGJOBTL	SIGUIS
SHISYMT	SLINAME
TIMBUF1	TIMEVERT
UACCOUNT	WEXTACC

RATEFLAG
SIBUIS
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
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* NO UNDEFINED SYMBOLS

* ERROR SEVERITY LEVEL: 3

* ERROR LINES

1529