

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
000160		239	THR52 EQU 352	352
001000		240	FOURK EQU 4096	4096
000030		241	HHTY EQU X'30'	HEX 30
003FFE		242	H3FFE EQU X'3FFE'	HEX 3FFE
FFFFFF		244	M1 EQU -1	-1
FFFFFFE		245	M2 EQU -2	-2
FFFFFFD		246	M3 EQU -3	-3
FFFFFF0		247	M16 EQU -16	-16
FFFFFF4		248	M28 EQU -28	-28
FFFFFF2		249	M30 EQU -30	-30
00D4C3		252	HCKLB EQU C'HC'	
00D7C3		252	PKLAB EQU C'PC'	
254		*****	*****	*****
255		*	EQUATES FOR DISK	*
256		*	*****	*****
000006		259	BOE EQU 6	DISP TO BOE FROM START OF
000008		260	*	ENTRY IN VTOC
00000C		261	EOE EQU 8	DISP TO EOE FROM START OF
00000F		262	*	ENTRY IN VTOC
00001E		263	DSTYP EQU 12	DISP TO TYPE OF DATA SET IN
000018		263	*	ENTRY OF VTOC
000012C		265	SPTE EQU 15	NUMBER SECTORS/TRACK
000014A		266	DIP2A EQU 15	ADDR 1ST DIPI2 SECTOR
0000168		267	EDIP2 EQU 30	ADDR LAST DIPI2 SECTOR+1
0000186		268	PRC1A EQU 120	ADDR 1ST PROC1 SECTOR
00001A4		269	EPRC1 EQU 180	ADDR LAST PROC1 SECTOR+1
00001C2		270	PRC2A EQU 180	ADDR 1ST PROC2 SECTOR
00001E0		271	EPRC2 EQU 240	ADDR LAST PROC2 SECTOR+1
00001F8		272	PRC3A EQU 240	ADDR 1ST PROC3 SECTOR
0000216		273	EPRC3 EQU 300	ADDR LAST PROC3 SECTOR+1
0000234		274	VTOCA EQU 330	ADDR 1ST VTOC SECTOR
0000252		275	EVTOC EQU 360	ADDR LAST VTOC SECTOR+1
0000270		276	LDST EQU 2219	ADDR LAST SECTOR ON DISK
0000288		277	EDST EQU 30	ADDR 1ST DATA SECTOR
00002A6		278	DCPCY EQU 10	CYLINDER DCO ON
00002C4		279	LVTE EQU 32	LENGTH IN BYTES OF A VTOC ENTRY
00002E2		280	NDFPS EQU 8	NUMBER ENTRIES/SECTOR IN VTOC
0000300		281	CHDLG EQU 4	DISP TO DATA IN MULT SECT'S
0000318		282	VHDLG EQU 10	NUMBER BYTES OF HEADER INFORMATION
0000336		283	IHDLP EQU 14	NUM BYTES PAST ALL HEADER INFO
0000354		284	VHDLP EQU 30	
285		*	ON 1ST SECTOR OF EACH PROGRAM DATA	
286		*	SET	
287		*****	*****	*****
288		*	EQUATES FOR CODED STOPS USED BY DCP	*
289		*	(NORMAL AND ERROR)	*
290		*	*****	*****
003800		294	RECD1 EQU X'3800'	DCP WAIT
003801		295	ACNG EQU X'3801'	ALTERNATE CONSOLE ERROR
003802		296	PCKCD EQU X'3802'	PROGRAM CHECK ERROR
003803		297	MCKCD EQU X'3803'	MACHINE CHECK ERROR
003804		298	PTWNG EQU X'3804'	POWER THERMAL ERROR
003805		299	PSTER EQU X'3805'	PROGRAM TERM
003806		300	INVCDC EQU X'3806'	INVALID COMMAND ERROR
003807		301	ALTCN EQU X'3807'	ALT IN/OUT UNDER TEST
003808		302	RES EQU X'3808'	ALT IN/OUT ON LINE
003809		303	UXP EQU X'3809'	UNEXPECTED I/O INTERRUPT
00380A		304	BPCD5 EQU X'380A'	PROGRAM STARTED
00380B		305	LPCD4 EQU X'380B'	DISK ERROR
00380C		306	LPCD5 EQU X'380C'	PROGRAM NOT FOUND
00380D		307	LPCD6 EQU X'380D'	PROGRAM LOADED
00380E		308	HLTCD EQU X'380E'	HALT SVC
00380F		309	RPCD2 EQU X'380F'	PROGRAM NOT EXPECTING REPLY
003810		310	RPCD5 EQU X'3810'	PROGRAM EXPECTING HEX DATA
003811		311	ERR1 EQU X'3811'	TOO MANY CHARACTERS ENTERED
003812		312	ENPCD EQU X'3812'	ASK FOR DATA ENTRY
003813		313	SVCCD EQU X'3813'	TOO MANY SVC CALLS
003814		314	*****	*****
003815		315	*****	*****
316		*	THE FOLLOWING EQUATES ARE THE DISPLACEMENT FROM THE	*
317		*	START OF A PROGRAM HEADER OF THE VARIOUS INFORMATION IN	*
318		*	*****	*****
319		*	*****	*****
320		*	*****	*****
321		*****	*****	*****
000000		322	HID EQU 0	PROG I.D.
000001		323	DVADR EQU 0	DEVICE TYPE IN DEVICE TABLE
000002		324	DVTYP EQU 1	DEVICE ADR IN DEVICE TABLE
000003		325	HDDP1 EQU 3	DEVICE DEPENDENT DATA
000004		326	HDDP2 EQU 4	DEVICE DEPENDENT DATA
000005		327	CPUMD EQU 4	CPU MODE/ DISPLACEMENT
000006		328	LSADR EQU 6	LAST ADR DISPLACEMENT
000007		329	HPK EQU 6	PROTECT KEY
000008		330	HPK1 EQU 7	PROTECT KEY PLUS ONE
000009		331	HPSA EQU 6	DIAG PROG START ADR
00000A		332	INTAR EQU 6	DEVICE INTERRUPT ADR
00000B		333	HDVTB EQU 08	DIAG DEV TABLE POINTER
00000C		334	EXPTN EQU 17	
00000D		335	TBEND EQU 18	END OF TABLE IND
00000E		336	SCEND EQU 19	END OF SECTOR IND
00000F		337	CICBT EQU 20	C I C B INDICATOR
000010		338	CFEXT EQU 08	
000011		339	HTUID EQU 18	MDI MAP I.D DISPLACEMENT
000012		340	UDTAS EQU 16	UNIT ASSIGNED BIT
000013		341	PDTAS EQU 32	
000014		342	UNCRT EQU 0	UNCONDITIONAL RETURN BIT
000015		343	CKDAD EQU 1	CHECK REQUESTED DEV
000016		344	IOCHK EQU 11	I/O CHK IN PSW
000017		345	NEWAR EQU 15	
346		*****	*****	*****
347		*	THE FOLLOWING EQUATES ARE THE OFFSETS INTO EACH ENTRY	*
348		*	FOR THE DATA SPECIFIED. (16 BYTES / ENTRY)	*
349		*	*****	*****
000000		351	*****	*****
000001		352	CUDA EQU 0	DEVICE ADDRESS
000002		353	CUDT EQU 1	DEVICE TYPE
000003		354	CUDF EQU 2	CONTROL FLAGS
000004		355	CUDD1 EQU 3	DEVICE DEPENDENT DATA -- 1
000005		356	CUDD2 EQU 4	DEVICE DEPENDENT DATA -- 2
000006		357	CUDD3 EQU 5	DEVICE DEPENDENT DATA -- 3

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000006		358	CUDD4 EQU 6	DEVICE DEPENDENT DATA -- 4
000007		359	CUDD5 EQU 7	DEVICE DEPENDENT DATA -- 5
000008		360	CUDD6 EQU 8	DEVICE DEPENDENT DATA -- 6
000009		361	CUDD7 EQU 9	DEVICE DEPENDENT DATA -- 7
00000A		362	CUDD8 EQU 10	DEVICE DEPENDENT DATA -- 8
00000B		363	CUDD9 EQU 11	DEVICE DEPENDENT DATA -- 9
00000C		364	CUDDA EQU 12	DEVICE DEPENDENT DATA -- 10
00000D		365	CUDDB EQU 13	DEVICE DEPENDENT DATA -- 11
00000E		366	CUDRI EQU 14	DEVICE READ ID DATA RETURNED
368		*****	*****	*****
369		*	THE FOLLOWING EQUATES ARE THE DISPLACEMENTS FROM THE	*
370		*	START OF A QUE BLOCK OF THE VARIOUS INFORMATION.	*
371		*	*****	*****
372		*	*****	*****
000000		374	QIAR EQU 0	IARB OF CALLING PROGRAM
000001		375	QAKR EQU 2	KEY REG
000002		376	QLSR EQU 4	LSR OF CALLING PROGRAM
000003		377	QR0 EQU 6	XR0 OF CALLING PROGRAM
000004		378	QR1 EQU 8	XR1 OF CALLING PROGRAM
000005		379	QR2 EQU 10	XR2 OF CALLING PROGRAM
000006		380	QR3 EQU 12	XR3 OF CALLING PROGRAM
000007		381	QR4 EQU 14	XR4 OF CALLING PROGRAM
000008		382	QR5 EQU 16	XR5 OF CALLING PROGRAM
000009		383	QR6 EQU 18	XR6 OF CALLING PROGRAM
00000A		384	QR7 EQU 20	XR7 OF CALLING PROGRAM
00000B		385	QSVQ EQU 22	SVC NUMBER OF CALLING PROGRAM
00000C		386	QRAL EQU 23	RETURN CODE AND LEVEL ENTERED
00000D		387	*	INTO SVC ON
00000E		388	QAV1 EQU 24	AVAILABLE WORD 1
00000F		389	QAV2 EQU 26	AVAILABLE WORD 2
391		*****	*****	*****
392		*	THE FOLLOWING EQUATES ARE THE DISPLACEMENTS FROM THE START	*
393		*	OF EACH SLOT IN THE DEVICE TABLE TO THE VARIOUS	*
394		*	INFORMATION IN EACH SLOT	*
395		*	*****	*****
396		*	*****	*****
000002		397	*****	*****
000004		398	OAG EQU 2	RETURN ADDRESS IF COND CODE OF
000005		399	*	INTERUPT MATCHES THE COND
000006		400	*	CODE AT OCC
000007		401	OAB EQU 4	RETURN ADDRESS IF CONDITION
000008		402	*	CODE OF INTERUPT DOES NOT
000009		403	*	MATCH CONDITION CODE AT OCC
00000A		404	OCC EQU 7	CONDITION CODE EXPECTED
405		*****	*****	*****
406		*****	*****	*****
407		*****	*****	*****
000100		408	*	DATA FOR CCONFIG
000101		409	*****	*****
00183C	0000	410	CTNAD EQU 256	# DEVICE ADDRESSES
00183E	00	411	*****	*****
00183F	01	412	CMAD DC X'0000'	CHANGES MADE FLAG
001840	05	413	CTC00 DC X'00'	CONSTANT
001841	0D	414	CTC01 DC X'01'	CONSTANT
001842	0000	415	CTC05 DC X'05'	CONSTANT
001843	0234	416	CTC0D DC X'0D'	CONSTANT
001844	00	417	ALGN WORD	
001845	00	418	CTW00 DC X'0000'	CONSTANT DECIMAL 00
001846	00	419	CTNMT DC X'0234'	ADDRESS IN DCP FOR MANUAL MODE TEST
001847	00	420	CTSEF DC X'00'	ENTRY FOUND NUMBER
001848	00	421	CTSEE DC X'00'	ENTRY FOUND NUMBER - BYTE 2
001849	00	422	CTAD1 DC X'00'	ADDRESS BYTE 1
00184A	0000	423	CTADD DC X'00'	ADDRESS BYTE 2
00184B	00	424	CINCF DC X'0000'	FLAG IN INITIAL CONFIGURATING MODE
00184C	00	425	CEDN1 DC X'00'	COUNTER TO ENTER DEVICE TYPE
00184D	00	426	CEDN2 DC X'00'	COUNTER
00184E	00	427	CHACT DC X'00'	COUNTER FOR DEVICE ADDRESS
00184F	00	428	CHAC2 DC X'00'	COUNTER 2ND BYTE
001850	00	429	CTMC1 DC X'00'	PRINT COUNTER BYTE 1
001851	00	430	CTMC2 DC X'00'	PRINT COUNTER BYTE 2
001852	0000	431	MENUP DC X'0000'	MENU NO PRINT SWITCH
001853	1CA0	432	OLADD EQU *	
001854	00	433	OLAD1 DC X'1CA0'	START ADDRESS OF OVERLAYS
001855	00	434	OLAD3 EQU *	
001856	1CA8	435	OLADR DC X'1CA8'	2ND INSTRUCTION OVERLAYS
001857	00	436	ALGN WORD	
001858	00	437	*****	*****
001859	D6F3F8C6F1	438	*****	*****
00185A	0000	439	*****	*****
00185B	0000	440	CTRL1 DC X'038F1'	KEEP READI STORAGE ADDRESS ON WD.BD.
00185C	0000	441	DC X'0000'	CONFIGURATION TABLE NAME
00185D	D6F3F8C6F2	442	DC X'0000'	STORAGE ADDRESS FOR CTRL1
00185E	0000	443	CTRL2 DC C'038F2'	KEEP READI STORAGE ADDRESS ON WD.BD.
00185F	0000	444	DC X'0000'	CONFIGURATION INITIAL CONFIG OVERLAY
001860	0000	445	DC X'00'	STORAGE ADDRESS FOR CTRL2
001861	0000	446	CTRL3 DC C'038F4'	KEEP READI STORAGE ADDRESS ON WD.BD.
001862	0000	447	DC X'0000'	CONFIGURATION TABLE CK OVERLAY
001863	0000	448	DC X'00'	STORAGE ADDRESS FOR CTRL3
001864	D6F3F8C6F5	449	CTRL4 DC C'038F5'	KEEP READI STORAGE ADDRESS ON WD.BD.
001865	0000	450	DC X'0000'	CONFIGURATION FUNCTIONS OVERLAY
001866	0000	451	DC X'0000'	STORAGE ADDRESS FOR CTRL4
001867	187E	452	CTRL5 DC A(CTRL6)	ADDRESS OF CONFIG TABLE NAME
001868	3000	453	DC X'3000'	WRITE - ADDRESS OF CONFIGURATION TAB
001869	0800	454	CTRL6 DC C'3800'	WRITE - # WORDS TO WRITE = 2048
001870	F3F8C6F1	455	DC X'3800'	CONFIG TABLE NAME
001871	0000	456	CTRL7 DC C'038F6'	KEEP READI STORAGE ADDRESS ON WD.BD.
001872	0000	457	DC X'0000'	PRINT OVERLAY
001873	0000	458	DC X'0000'	STORAGE ADDRESS FOR CTRL4
001874	0000	459	CTRL8 DC C'038F3'	KEEP READI STORAGE ADDRESS ON WD.BD.
001875	0000	460	DC X'0000'	2ND INITIAL CONFIG OVERLAY
001876	D6F3F8C6F7	461	DC X'0000'	STORAGE ADDRESS FOR CTRL4
001877	0000	462	CTRL9 DC C'038F7'	KEEP READI STORAGE ADDRESS ON WD.BD.
001878	0000	463	DC X'0000'	ACCA OVERLAY
001879	0000	464	DC X'0000'	STORAGE ADDRESS FOR CTRL9
001880	D6F3F8C5F0	465	CTRLB DC C'038E0'	KEEP READI STORAGE ADDRESS ON WD.BD.
001881	0000	466	DC X'0000'	BSA OVERLAY
001882	0000	467	DC X'0000'	STORAGE ADDRESS FOR CTRL9
001883	D6F3F8C5F1	468	CTRLA DC C'038E1'	KEEP READI STORAGE ADDRESS ON WD.BD.
001884	0000	469	DC X'0000'	SDLC OVERLAY
001885	0000	470	DC X'0000'	STORAGE ADDRESS FOR CTRLA
001886	D6F3F8C5F2	471	CTRLC DC C'038E2'	KEEP READI STORAGE ADDRESS ON WD.BD.
001887	0000	472	DC X'0000'	MERGE OVERLAY
001888	0000	473	DC X'0000'	STORAGE ADDRESS FOR CTRLC
001889	0000	474	CTRLD DC C'038E3'	KEEP READI STORAGE ADDRESS ON WD.BD.
001890	D6F3F8C5F3	475	DC X'0000'	COMM SYS OVERLAY

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LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
0018B8 0000 475 DC X'0000' STORAGE ADDRESS FOR CTRLD
0018BA 00 476 DC X'00' KEEP READI STORAGE ADDRESS ON WD.BD.
0018BB D6F3F8C5F4 477 CTRLC DC C'038E4' CYCLE STEAL OVERLAY
0018C0 0000 478 DC X'0000' STORAGE ADDRESS FOR CTRLC
0018C2 00 479 DC X'00' KEEP READI STORAGE ADDRESS ON WD.BD.
0018C3 D6F3F8C5F5 480 CTRLF DC C'038E5' TCS OVERLAY
0018C8 0000 481 DC X'0000' STORAGE ADDRESS FOR CTRLF
482 *****
483 * CONFIGURATION TABLE 1120 BYTES
484 * ENTRY ZERO = SYSTEM INFORMATION
485 * ENTRY 1 - FF = DEVICE DATA
486 *TLEL DC X'0010' TABLE ENTRY LENGTH = 16 BYTES
487 *TLNG DC F'4096' CONFIGURATION TABLE LENGTH
488 *TABA DC X'3000' ADDRESS OF CONFIGURATION TABLE
489 *TABU DC X'3002' ADDRESS NUMBER OF ENTRIES USED
0018CA 3003 490 CTABC DC X'3003' ADDRESS OF CONFIGURED FLAG
491 *TABP DC X'3005' ADDRESS OF SYSTEM TYPE
492 *TABS DC X'3006' ADDRESS LAST USABLE STORAGE
0018CC 3008 493 CTABN DC X'3008' ADDRESS ALT CONSOLE ADD-TYPE
494 *TABF DC X'3000' ADDRESS LAST ENTRY
495 *TMNE DC X'00' 255 = MAX # ENTRIES IN CONFIG TABLE
496 *TMNF DC X'FF' 255 BYTE 2
497 *****
498 * CONFIGURATION TABLE FIELD EXPANSION
499 *
500 * ALIGN WORD
501 *TDA DC X'00' DEVICE ADDRESS
502 *TDT DC X'00' DEVICE TYPE
503 *TCF DC B'00000000' CONTROL FLAGS
504 * BIT 0 - USED BY DCP
505 * BIT 1 - CHAIN ENTRIES
506 * BIT 2 - LAST USED ENTRY IN TABLE
507 * BIT 3 - LAST ENTRY IN EACH SECTOR
508 * BIT 4 - RESERVED
509 * BIT 5 - RESERVED
510 * BIT 6 - RESERVED
511 * BIT 7 - END OF TABLE
512 *TDD1 DC B'00000000' DEVICE DEPENDENT
513 *TDD2 DC B'00000000' DEVICE DEPENDENT
514 *TDD3 DC B'00000000' DEVICE DEPENDENT
515 *TDD4 DC B'00000000' DEVICE DEPENDENT
516 *TDD5 DC B'00000000' DEVICE DEPENDENT
517 *TDD6 DC B'00000000' DEVICE DEPENDENT
518 *TDD7 DC B'00000000' DEVICE DEPENDENT
519 *TDD8 DC B'00000000' DEVICE DEPENDENT
520 *TDD9 DC B'00000000' DEVICE DEPENDENT
521 *TDDA DC B'00000000' DEVICE DEPENDENT
522 *TDDB DC B'00000000' DEVICE DEPENDENT
523 *TDDC DC X'00' DEVICE READ ID RESULTS
524 *TDI2 DC X'00' DEVICE READ ID RESULTS - BYTE 2
525 * ALIGN WORD
526 *****
527 * CONFIG TABLE MESSAGES = 3820 -384F
528 *
529 * CONTROL BLOCK OUTPUT
530 * ALIGN WORD
0018CE 00C0 531 DC X'00C0'
0018D0 18D6 532 CA A01 DC A(CAA02)
0018D2 FFFF 533 DC A(-1)
534 * OUTPUT
0018D4 384D 535 DC X'384D'
0018D6 C3D6D5C6C9C7E4D9C 536 CAA02 DC C'CONFIGURATION TABLE NOT ON DISKETTE'
0018F9 00 537 DC X'00'
538 *
539 * CONTROL BLOCK OUTIN
540 * ALIGN WORD
0018FA 0080 541 DC X'0080'
0018FC 1906 542 CTMV3 DC A(CTMV4)
0018FE 193A 543 DC A(CTMV5)
001900 0001 544 DC A(1)
001902 0001 545 DC A(1)
546 * OUTPUT
001904 3826 547 DC X'3826'
001906 C3C8C1D5C7C5E240D 548 CTMV4 DC C'CHANGES NOT SAVED. OD=WRITE DISKETTE, 05=TERMINATE'
001938 00 549 DC X'00'
001939 00 550 * ALIGN WORD
551 * INPUT
00193A 00 552 CTMV5 DC X'00' INPUT
00193B 00 553 DC X'00'
554 *
555 * CONTROL BLOCK OUTPUT
556 * ALIGN WORD
00193C 00C0 557 DC X'00C0'
00193E 1944 558 CTMV6 DC A(CTMV7)
001940 FFFF 559 DC A(-1)
560 * OUTPUT
001942 3823 561 DC X'3823'
001944 C9D5E5C1D3C9C440C 562 CTMV7 DC C'INVALID ENTRY'
001951 00 563 DC X'00'
564 *
565 * CONTROL BLOCK OUTPUT
566 * ALIGN WORD
001952 0080 567 DC X'0080'
001954 195A 568 CTMV8 DC A(CTMV9)
001956 FFFF 569 DC A(-1)
570 * OUTPUT
001958 384C 571 DC X'384C'
00195A E6D9C9E3C540C3D6D 572 CTMV9 DC C'WRITE CONFIGURATION TABLE ON OTHER DISKETTE'
001985 00 573 DC X'00'
574 *
575 * CONTROL BLOCK OUTIN
576 * ALIGN WORD
001986 0080 577 DC X'0080'
001988 1992 578 CTMW1 DC A(CTMW2)
00198A 19E2 579 DC A(CTMW3)
00198C 0001 580 DC A(1)
00198E 0001 581 DC A(1)
582 * OUTPUT
001990 382C 583 DC X'382C'
001992 F0C47EE6D9C9E3C54 584 CTMW2 DC C'OD=WRITE DISKETTE, 05=TERMINATE'
001994 00 585 DC X'00'
001996 00 586 * ALIGN WORD
587
588

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LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
0019B2 00 589 * INPUT
0019B3 00 590 CTMW3 DC X'00' INPUT
591 DC X'00'
592 *
593 *****
594 * END OF CDATA
595 *****
596 * ALIGN WORD
597 *****
598 * BEGIN MAIN PROGRAM
599 *****
600 *****
601 *****
602 * READ CONFIGURATION TABLE FROM DISKETTE
603 *****
0019B4 604 CYR00 EQU *
605 *****
606 * TEST LOAD AT IPL TIME BIT
607 * LOCATION 0234,BIT 5
608 * 1 = ENTERED AT IPL
609 * MVWZ IPLPS,R7 INITIALIZE IPL PASS SWITCH'
610 * CTMHT,R1 ADDRESS X'0234'
611 * TBTR (R1,5) TEST AND RESET IPL LOAD BIT
612 * JOFF CYR02 NOT LOADED AT IPL
613 * MVWI CPE,IPLPS SET IPL PASS SWITCH
614 *****
615 * READ CONFIGURATION TABLE FROM DISKETTE
616 *****
0019C6 4724 1859 617 *
0019CA 601F 618 *
619 *
0019CC CD24 1842 620 *
0019D0 6800 19DE 621 *
622 *
0019D4 4724 18D0 623 *
0019D8 6000 624 *
0019DB 6802 1B78 625 *
626 *
627 *
628 *
629 *
0019DE 6908 18CA 630 *
0019E2 8063 183E 631 *
0019E6 6801 1A7E 632 *
633 *
634 *
635 *
636 *
637 *
638 *
639 *
0019EA 4020 184A 0001 640 *
0019F0 4724 1861 641 *
0019F4 601F 642 *
0019F6 6F13 1854 643 *
644 *
645 *
646 *
647 *
648 *
649 *
0019FA 650 *
0019FE 1005 651 *
001A00 4724 18C3 652 *
001A04 601F 653 *
001A06 6F13 1854 654 *
655 *
656 *
001A0A 4724 1871 657 *
001A0E 601F 658 *
001A10 4224 00D0 659 *
001A14 6F13 1854 660 *
661 *
001A18 4724 1878 662 *
001A1C 6020 663 *
664 *
665 *
001A1E 4724 188B 666 *
001A22 601F 667 *
001A24 6F13 1854 668 *
669 *
001A28 4724 18BB 670 *
001A2C 601F 671 *
001A2E 6F13 1854 672 *
673 *
001A32 4724 1893 674 *
001A36 601F 675 *
001A38 6F13 1854 676 *
677 *
001A3C 4724 189B 678 *
001A40 601F 679 *
001A42 6F13 1854 680 *
681 *
001A46 4724 18A3 682 *
001A4A 601F 683 *
001A4C 6F13 1854 684 *
685 *
001A50 4724 18B3 686 *
001A54 601F 687 *
001A56 6F13 1854 688 *
689 *
001A5A CF25 1812 690 *
001A5E D725 1814 691 *
001A62 4724 1871 692 *
001A66 601F 693 *
001A68 6802 1B44 694 *
695 *
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697 *
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702 *
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704 *
705 *

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LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
706 * TERMINATE
707 CIA11 MVWI X'0001',CINCF SET INITIAL CONFIGURATING FLAG
708 MVA CTRL2,R7 LOAD THE
709 SVC READI INITIAL CONFIGURATION OVERLAY
710 BAL OLADD*,R7
711 J CIA05 J DO 2ND AUTO CONFIG
712 *****
713 *****
714 *****
715 * CHECK CURRENT CONFIGURATION TABLE
716 *****
717 CNE00 EQU *
718 MVA CTRL3,R7 LOAD THE
719 SVC READI CONFIGURATION CHECK OVERLAY
720 BAL OLADD*,R7
721 *****
722 *****
723 *****
724 *****
725 *****
726 * PRINT OPTION TABLE & REQUEST SELECTION
727 *****
728 CXINF EQU *
729 MVA CTRL7,R7 LOAD THE 38F6
730 SVC READI PRINT OVERLAY
731 *
732 CXIN4 MVW MENUP,R2 BYPASS TABLE FLAG FOR OVERLAY
733 BAL OLADR*,R7 PRINT OPTIONS AND GET ENTRY
734 * R2 = OPTION # RETURNED FROM OVERLAY
735 *
736 MVA CTRL4,R7 LOAD THE 38F5
737 SVC READI CONFIGURATION FUNCTIONS OVERLAY
738 *
739 SLL 8,R2
740 SRL 8,R2
741 CBI X'20',R2
742 JNE CXI02
743 MVBI X'FF',R4 R4=FF FOR PRINT ANOTHER DISKETTE
744 J CXI03
745 CXI02 CBI X'01',R2
746 JNE CXI04
747 *
748 MVWI TWO08,R2 01 = PRINT CONFIG TABLE - SORT FIRST
749 BAL OLADD*,R7 FUN (00D0)
750 CXI03 SRL 16,R2 GO SORT TABLE
751 J CXPRT R2 = 0 FOR PRINT CONFIG TABLE
752 CXI04 CBI X'0B',R2
753 JNE CXI07
754 *
755 MVW MENUP,R2 0B = BYPASS OPTION TABLE
756 JZ CXI06
757 MVWZ MENUP,R2 RESET MENU NO PRINT SWITCH
758 J CXIND
759 CXI06 MVWI ONE,MENUP SET MENU NO PRINT SWITCH
760 J CXIND
761 CXI07 CBI X'05',R2
762 JNE CXI08
763 *
764 MVW CMADE,R7 05 = TERMINATE
765 JZ CTERM TERMINATE IF NO CHANGES WERE MADE
766 MVA CTMV3,R7
767 SVC OUTIN PRINT 'CHANGES NOT SAVED OD=WRITE05=T
768 CB CTC05,CTMV5
769 JE CTERM 05 SO GO TERMINATE
770 CB CTCOD,CTMV5
771 JE CSORT OD SO GO WRITE TO DISKETTE
772 MVA CTMV6,R7
773 SVC OUT PRINT 'INVALID ENTRY'
774 J CXI07
775 CXI08 CBI X'09',R2
776 JNE CXI10
777 *
778 MVWI ONE,R2 09 = PRINT SYSTEM EQUIPMENT
779 J CXPRT R2 = 1 FOR PRINT SYS EQUIP
780 CXI10 EQU *
781 MVWI CMADE SET CHANGES MADE FLAG FOR 0C,10&ALL F
782 CBI X'10',R2
783 JNE CXI12
784 *
785 B CIA11 0C = INITIAL CONFIGUR SYSTEM
786 EQU *
787 CBI X'0D',R2
788 JNE CXI13
789 * SORT & WRITE DISK 0D = SORT & WRITE DISK & TERMINATE
790 J CSORT
791 CXI13 EQU *
792 CBI X'10',R2
793 JNE CXI14
794 J MERGE
795 * GO TO OVERLAY TO LOOK FOR OTHER FUNCTIONS
796 CXI14 EQU *
797 BAL OLADD*,R7 B INTO FUNCTIONS OVERLAY
798 *****
799 CXIND EQU *
800 B CXINF REQUEST NEXT FUNCTION
801 *****
802 *****
803 *****
804 CXPRT EQU * PRINT CONFIG & EQUIPMENT
805 MVA CTRL7,R7 LOAD THE
806 SVC READI CONFIGURATION PRINT OVERLAY
807 BAL OLADD*,R7
808 J RNF
809 *****
810 *
811 *
812 *****
813 MERGE EQU * MERGE CONFIGURATION TABLES
814 MVA CTRLC,R7 LOAD THE
815 SVC READI MERGE TABLES OVERLAY
816 BAL OLADD*,R7
817 *****
818 *
819 *
820 *****
821 RNF EQU * REQUEST NEXT FUNCTION
822 MVA CTRL4,R7 LOAD THE

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823 SVC READI CONFIGURATION FUNCTIONS OVERLAY
824 B CXINF REQUEST NEXT FUNCTION
825 *****
826 *
827 *
828 *****
829 * IF NO CHANGES DESIRED THEN SORT NEW CONFIGURATION TABLE.
830 * FUNCTIONS OVERLAY WITH SORT SUBROUTINE IS ALREADY LOADED.
831 *****
832 CSORT MVWI TWO08,R2 CALL SORT CONFIGURATION TABLE (D0)
833 BAL OLADD*,R7
834 *****
835 * WRITE NEW SORTED CONFIGURATION TABLE TO DISKETTE
836 *****
837 CYW00 MVA CTRL5,R7
838 SVC WRIT WRITE DISK
839 CYW10 MVA CTMV8,R7
840 SVC OUT PRINT 'WRITE CONFIG ON OTHER DISKS'
841 MVA CTMW1,R7
842 SVC OUTIN PRINT 'OD=WRITE DISKETTE, 05=TERMINAT
843 CB CTC05,CTMW3
844 JE CTERM
845 CB CTCOD,CTMW3
846 MVA CTMV6,R7 LOOP TO WRITE CONFIG ON NEXT DISKETTE
847 SVC OUT
848 MVA CTMV6,R7 PRINT 'INVALID ENTRY'
849 J REENTER
850 *****
851 *****
852 *****
853 CYW39 NOP
854 * END WRITE NEW CONFIGURATION TABLE TO DISK
855 *****
856 CTERM SVC TERM TERMINATE PROGRAM
857 *****
858 * TERMINATE U38F0
859 * END OF PROGRAM
860 *****
861 *****
862 * PROCEDURE BSAW
863 * SORT AND WRITE CONFIGURATION TABLE TO DISK
864 * RETURN TO 2ND AUTO CONFIG
865 *
866 *****
867 BSAW1 MVA CTRL4,R7 LOAD THE
868 SVC READI CONFIGURATION FUNCTIONS OVERLAY
869 MVWI TWO08,R2 CALL SORT CONFIGURATION TABLE (D0)
870 BAL OLADD*,R7
871 *****
872 * WRITE NEW SORTED CONFIGURATION TABLE TO DISKETTE
873 *****
874 MVA CTRL5,R7
875 SVC WRIT WRITE DISK
876 *****
877 MVA CTRL8,R7 LOAD THE
878 SVC READI 2ND INITIAL CONFIG OVERLAY
879 *****
880 B BSARA* RETURN INTO 2ND AUTO CONFIG
881 *****
882 *****
883 *****
884 * PROCEDURE CDCPT
885 * CHECK FOR DCP TERMINATE BIT ON - BIT 0 OPTION WORD 1
886 *****
887 CDCPR DC X'0000' RETURN ADDRESS
888 *****
889 CDCPT MVW R7,CDCPR SAVE RETURN ADDRESS
890 MVA OPTN1,R7
891 TBT (R7,0) BIT 0 = DCP TERMINATE PROGRAM
892 BNZ CTERM GO TERMINATE
893 *
894 *
895 *
896 B CDCPR* RETURN
897 *****
898 * END CHECK FOR DCP TERMINATE
899 *****
900 *****
901 *****
902 *****
903 * END OF CONFIGURATION PROGRAM
904 *****

DECLARED	NAME	ATTRIBUTES AND REFERENCES
98	BEGIN	ADDRESS. HEX LOCATION(0000181E) IN CSECT(U38F0) LENGTH(1)
102	BEGIQ	ADDRESS. HEX LOCATION(00001826) IN CSECT(U38F0) LENGTH(4)
107	BSARA	ADDRESS. HEX LOCATION(0000182E) IN CSECT(U38F0) LENGTH(2)
867	BSAW1	ADDRESS. HEX LOCATION(00001B7A) IN CSECT(U38F0) LENGTH(4)
532	CAA01	ADDRESS. HEX LOCATION(000018D0) IN CSECT(U38F0) LENGTH(2)
536	CAA02	ADDRESS. HEX LOCATION(000018D6) IN CSECT(U38F0) LENGTH(35)
887	CDCPR	ADDRESS. HEX LOCATION(00001B98) IN CSECT(U38F0) LENGTH(2)
628	CIA02	ADDRESS. HEX LOCATION(000019DE) IN CSECT(U38F0) LENGTH(4)
656	CIA04	ADDRESS. HEX LOCATION(00001A0A) IN CSECT(U38F0) LENGTH(1)
649	CIA05	ADDRESS. HEX LOCATION(000019FA) IN CSECT(U38F0) LENGTH(1)
707	CIA11	ADDRESS. HEX LOCATION(00001A6C) IN CSECT(U38F0) LENGTH(2)
424	CINCF	ADDRESS. HEX LOCATION(0000184A) IN CSECT(U38F0) LENGTH(2)
412	CMADE	ADDRESS. HEX LOCATION(0000183C) IN CSECT(U38F0) LENGTH(2)
717	CNE00	ADDRESS. HEX LOCATION(00001A7E) IN CSECT(U38F0) LENGTH(1)
832	CSORT	ADDRESS. HEX LOCATION(00001B44) IN CSECT(U38F0) LENGTH(4)
490	CTABC	ADDRESS. HEX LOCATION(000018CA) IN CSECT(U38F0) LENGTH(2)
416	CTCOD	ADDRESS. HEX LOCATION(00001841) IN CSECT(U38F0) LENGTH(1)
413	CTC00	ADDRESS. HEX LOCATION(0000183E) IN CSECT(U38F0) LENGTH(1)
415	CTC05	ADDRESS. HEX LOCATION(00001840) IN CSECT(U38F0) LENGTH(1)
856	CTERM	ADDRESS. HEX LOCATION(00001B78) IN CSECT(U38F0) LENGTH(2)
419	CTMMT	ADDRESS. HEX LOCATION(00001844) IN CSECT(U38F0) LENGTH(2)
543	CTMV3	ADDRESS. HEX LOCATION(000018FC) IN CSECT(U38F0) LENGTH(2)
549	CTMV4	ADDRESS. HEX LOCATION(00001906) IN CSECT(U38F0) LENGTH(50)
553	CTMV5	ADDRESS. HEX LOCATION(0000193A) IN CSECT(U38F0) LENGTH(1)
559	CTMV6	ADDRESS. HEX LOCATION(0000193E) IN CSECT(U38F0) LENGTH(2)
563	CTMV7	ADDRESS. HEX LOCATION(00001944) IN CSECT(U38F0) LENGTH(13)
569	CTMV8	ADDRESS. HEX LOCATION(00001954) IN CSECT(U38F0) LENGTH(2)
573	CTMV9	ADDRESS. HEX LOCATION(0000195A) IN CSECT(U38F0) LENGTH(43)
580	CTMW1	ADDRESS. HEX LOCATION(00001988) IN CSECT(U38F0) LENGTH(2)
586	CTMW2	ADDRESS. HEX LOCATION(00001992) IN CSECT(U38F0) LENGTH(31)
590	CTMW3	ADDRESS. HEX LOCATION(000019B2) IN CSECT(U38F0) LENGTH(1)
468	CTRLA	ADDRESS. HEX LOCATION(000018A3) IN CSECT(U38F0) LENGTH(5)
465	CTRLB	ADDRESS. HEX LOCATION(0000189B) IN CSECT(U38F0) LENGTH(5)
471	CTRLC	ADDRESS. HEX LOCATION(000018AB) IN CSECT(U38F0) LENGTH(5)
474	CTRLD	ADDRESS. HEX LOCATION(000018B3) IN CSECT(U38F0) LENGTH(5)
477	CTRLD	ADDRESS. HEX LOCATION(000018BB) IN CSECT(U38F0) LENGTH(5)
480	CTRLF	ADDRESS. HEX LOCATION(000018C3) IN CSECT(U38F0) LENGTH(5)
440	CTRL1	ADDRESS. HEX LOCATION(00001859) IN CSECT(U38F0) LENGTH(5)
443	CTRL2	ADDRESS. HEX LOCATION(00001861) IN CSECT(U38F0) LENGTH(5)
446	CTRL3	ADDRESS. HEX LOCATION(00001869) IN CSECT(U38F0) LENGTH(5)
449	CTRL4	ADDRESS. HEX LOCATION(00001871) IN CSECT(U38F0) LENGTH(5)
451	CTRL5	ADDRESS. HEX LOCATION(00001878) IN CSECT(U38F0) LENGTH(2)
454	CTRL6	ADDRESS. HEX LOCATION(0000187E) IN CSECT(U38F0) LENGTH(4)
456	CTRL7	ADDRESS. HEX LOCATION(00001883) IN CSECT(U38F0) LENGTH(5)
459	CTRL8	ADDRESS. HEX LOCATION(0000188B) IN CSECT(U38F0) LENGTH(5)
462	CTRL9	ADDRESS. HEX LOCATION(00001893) IN CSECT(U38F0) LENGTH(5)
418	CTW00	ADDRESS. HEX LOCATION(00001842) IN CSECT(U38F0) LENGTH(2)
799	CXIND	ADDRESS. HEX LOCATION(00001B20) IN CSECT(U38F0) LENGTH(1)
728	CXINF	ADDRESS. HEX LOCATION(00001A88) IN CSECT(U38F0) LENGTH(1)
745	CXI02	ADDRESS. HEX LOCATION(00001AA8) IN CSECT(U38F0) LENGTH(2)
750	CXI03	ADDRESS. HEX LOCATION(00001AB4) IN CSECT(U38F0) LENGTH(2)
752	CXI04	ADDRESS. HEX LOCATION(00001AB8) IN CSECT(U38F0) LENGTH(2)
759	CXI06	ADDRESS. HEX LOCATION(00001AC8) IN CSECT(U38F0) LENGTH(6)
761	CXI07	ADDRESS. HEX LOCATION(00001AD0) IN CSECT(U38F0) LENGTH(2)
775	CXI08	ADDRESS. HEX LOCATION(00001AF8) IN CSECT(U38F0) LENGTH(2)
780	CXI10	ADDRESS. HEX LOCATION(00001B02) IN CSECT(U38F0) LENGTH(1)

DECLARED	NAME	ATTRIBUTES AND REFERENCES
786	CXI12	ADDRESS. HEX LOCATION(00001B10) IN CSECT(U38F0) LENGTH(1)
791	CXI13	ADDRESS. HEX LOCATION(00001B16) IN CSECT(U38F0) LENGTH(1)
796	CXI14	ADDRESS. HEX LOCATION(00001B1C) IN CSECT(U38F0) LENGTH(1)
804	CXPRT	ADDRESS. HEX LOCATION(00001B24) IN CSECT(U38F0) LENGTH(1)
604	CYR00	ADDRESS. HEX LOCATION(000019B4) IN CSECT(U38F0) LENGTH(1)
615	CYR02	ADDRESS. HEX LOCATION(000019C6) IN CSECT(U38F0) LENGTH(4)
837	CYW00	ADDRESS. HEX LOCATION(00001B4C) IN CSECT(U38F0) LENGTH(4)
839	CYW10	ADDRESS. HEX LOCATION(00001B52) IN CSECT(U38F0) LENGTH(4)
90	DATAB	ADDRESS. HEX LOCATION(00001812) IN CSECT(U38F0) LENGTH(2)
91	DEVAD	ADDRESS. HEX LOCATION(00001814) IN CSECT(U38F0) LENGTH(1)
109	IPLPS	ADDRESS. HEX LOCATION(00001830) IN CSECT(U38F0) LENGTH(2)
431	MENUP	ADDRESS. HEX LOCATION(00001852) IN CSECT(U38F0) LENGTH(2)
813	MERGE	ADDRESS. HEX LOCATION(00001B30) IN CSECT(U38F0) LENGTH(1)
432	OLADD	ADDRESS. HEX LOCATION(00001854) IN CSECT(U38F0) LENGTH(1)
435	OLADR	ADDRESS. HEX LOCATION(00001856) IN CSECT(U38F0) LENGTH(2)
433	OLAD1	ADDRESS. HEX LOCATION(00001854) IN CSECT(U38F0) LENGTH(2)
434	OLAD3	ADDRESS. HEX LOCATION(00001856) IN CSECT(U38F0) LENGTH(1)
207	ONE	ABSOLUTE. HEX VALUE(00000001)
87	OPTN1	ADDRESS. HEX LOCATION(0000180E) IN CSECT(U38F0) LENGTH(2)
134	OUT	ABSOLUTE. HEX VALUE(00000000)
135	OUTIN	ABSOLUTE. HEX VALUE(00000001)
165	READI	ABSOLUTE. HEX VALUE(0000001F) 616 641 653 658 666 670 674 678 682 686 692 709 719 730 737 806 815 823 868 878
821	RNF	ADDRESS. HEX LOCATION(00001B3A) IN CSECT(U38F0) LENGTH(1)
0	R1	REGISTER. HEX VALUE(00000001) 608 609 628 629
0	R2	REGISTER. HEX VALUE(00000002) 659 732 739 740 741 745 748 750 752 755 757 761 775 778 782 787 792 832 869
0	R4	REGISTER. HEX VALUE(00000004)
0	R5	REGISTER. HEX VALUE(00000005)
0	R7	REGISTER. HEX VALUE(00000007) 607 615 621 640 642 650 652 654 657 660 662 665 667 669 671 673 675 677 679 681 683 685 687 689 690 691 708 710 718 720 729 733 736 749 764 766 772 797 805 807 814 816 822 833 837 839 841 847 867 870 874 877 889 890 891
111	TCSFL	ADDRESS. HEX LOCATION(00001832) IN CSECT(U38F0) LENGTH(1)
141	TERM	ABSOLUTE. HEX VALUE(00000007)
237	TWO08	ABSOLUTE. HEX VALUE(000000D0) 659 748 832 869
3	U38F0	CSECT. START(00001800) LENGTH(940) ESDID(1)
166	WRITI	ABSOLUTE. HEX VALUE(00000020) 663 838 875

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