Appendix ~~13~~ 14

Customizing Data
for M302-xx
System Diskette 4016-101 ~~M30I-XX~~ used in ~~or~~ cluster configuration.

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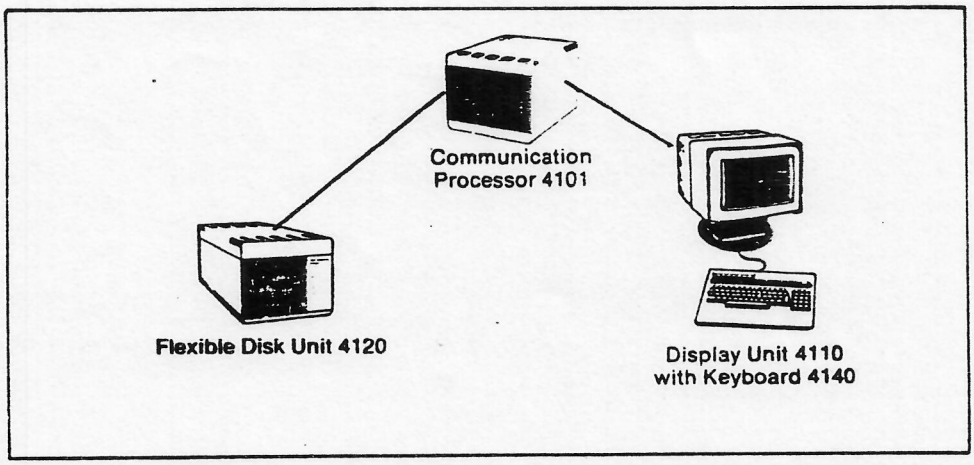
General

This system diskette is designed for the IBM 3274/78 remote BSC emulation used in cluster configurations and Dual Host configurations.

Diskette 4016-101 (M302-xx) provides three display unit presentation formats: 24, 32 or 43 text lines per full screen.

All of the information called for in this Appendix must be submitted before customizing can take place.

The equipment illustrated below is needed for customizing.



Customizing station

1. This appendix (13) only concerns customizing data when the diskett 4016-101, M302-xx (OS V3.2) is used in a single host cluster system.
When used in a Dual Host configuration

Addresses within Alfaskop System 41

Fill the addresses that are to be used into the form below. Permissible addresses appear in table 1 and table 2 on page 4 and 5. Note that one form is needed per cluster.

Communication Processor (CU) polling addresses 41A

Keyboard / KBT4B No
Typewriter Alt 0
Data Entry 1
Typewriter 2
Monocase Alt 3
Monocase 4

Alfaskop port No.	Flexible disk unit	Printer unit	Display unit	Keyboard
00	Log. = 0	Log. = DV =	Log. = 0 DV = 40	2
01	Log. = 1	Log. = 02 DV = —	Log. = 1 DV = C1	2
02	Log. =	Log. = 08 DV = C7	Log. = 02 DV = C2	2
03	Log. =	Log. = 09 DV = C8	Log. = 03 DV = C3	0
04	Log. =	Log. = 10 DV = C9	Log. = 4 DV = C4	0
05	Log. =	Log. = DV =	Log. = 5 DV = C5	0
06	Log. =	Log. = DV =	Log. = 6 DV = C6	1
07	Log. =	Log. = DV =	Log. = DV =	
08	Log. =	Log. = DV =	Log = DV =	
09	Log =	Log. = DV =	Log. = DV =	
10	Log. =	Log. = DV =	Log. = DV =	
11	Log. =	Log. = DV =	Log = DV =	
12	Log. =	Log. = DV =	Log = DV =	
13	Log. =	Log. = DV =	Log = DV =	
14	Log. =	Log. = DV =	Log = DV =	
15	Log =	Log. = DV =	Log = DV =	
16	Log. =	Log. = DV =	Log = DV =	
17	Log =	Log. = DV =	Log = DV =	
18	Log =	Log. = DV =	Log = DV =	
19	Log. =	Log. = DV =	Log = DV =	
20	Log =	Log. = DV =	Log = DV =	
21	Log. =	Log. = DV =	Log = DV =	
22	Log. =	Log. = DV =	Log = DV =	
23	Log. =	Log. = DV =	Log = DV =	
24	Log =	Log. = DV =	Log = DV =	
25	Log. =	Log. = DV =	Log. = DV =	
26	Log =	Log = DV =	Log = DV =	
27	Log =	Log = DV =	Log = DV =	
28	Log =	Log = DV =	Log = DV =	
29	Log =	Log = DV =	Log = DV =	
30	Log =	Log = DV =	Log = DV =	
31	Log =	Log = DV =	Log = DV =	

The following menus should be used when entering the above data: 3270 Emulation Addresses, Logical Addresses and Assign Keyboard.

When delivered from Ericsson the system diskette has the following default addresses.

Communication Processor (CU) polling address 40.

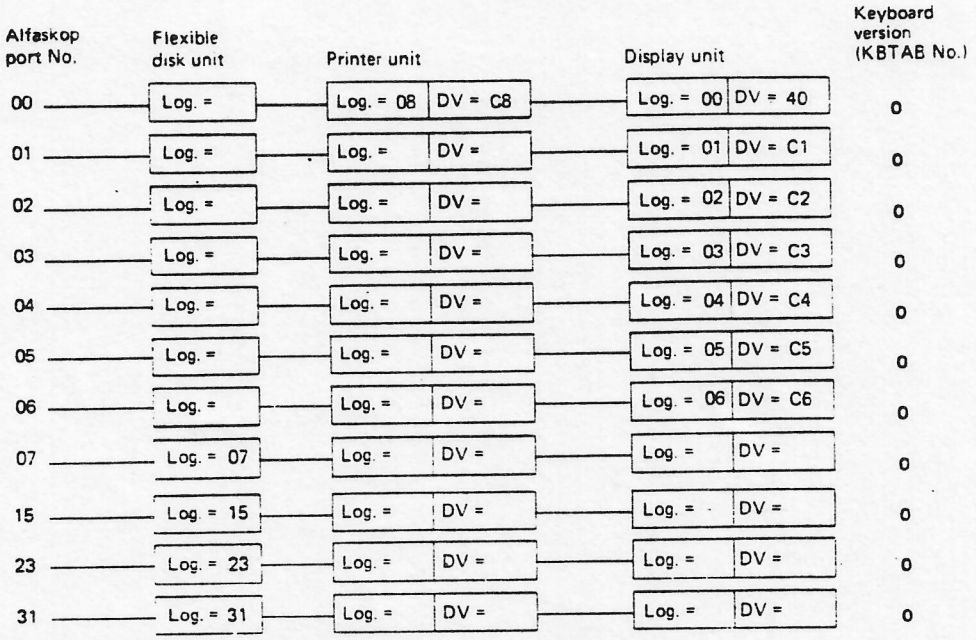


Table 1. Communication processor remote (CU) polling address

Communication processor No.	CU address $EBCDIC_{16}$	Communication processor No.	CU address $EBCDIC_{16}$	Communication processor No.	CU address $EBCDIC_{16}$
0	40	11	4B	22	D6
1	C1	12	4C	23	D7
2	C2	13	4D	24	D8
3	C3	14	4E	25	D9
4	C4	15	4F	26	5A
5	C5	16	50	27	5B
6	C6	17	D1	28	5C
7	C7	18	D2	29	5D
8	C8	19	D3	30	5E
9	C9	20	D4	31	5F
10	4A	21	D5		

Table 2. IBM CU port No. associated with DV addresses

IBM CU port No.	DV address $EBCDIC_{16}$	IBM CU port No.	DV address $EBCDIC_{16}$	IBM CU port No.	DV address $EBCDIC_{16}$
0	40	11	4B	22	D6
1	C1	12	4C	23	D7
2	C2	13	4D	24	D8
3	C3	14	4E	25	D9
4	C4	15	4F	26	5A
5	C5	16	50	27	5B
6	C6	17	D1	28	5C
7	C7	18	D2	29	5D
8	C8	19	D3	30	5E
9	C9	20	D4	31	5F
10	4A	21	D5		

Printer Unit

Library	Member	Type
SYSLIB	BHD00400	F

- Byte No. 0. (Table pos's 0000, 0008 etc) Printer type.

Byte value	Meaning	Selected value:
01_{16}	Printer type PU 4153/54 (default)	
03_{16}	Printer type PU 4155	
04_{16}	Printer type PU 4151/52	
06_{16}	" " PU 4156 without sheetfeed	
08_{16}	" " PU 4156 with sheetfeed	

- Byte No. 1. Transmission speed.

Byte value	Meaning	Selected value:
00 (default)	Recommended speed for selected printer type (=4800 bps if printer type = 01 or 03; 1200 bps if = 04)	
03	300 bps	
06	600 bps	
12	1200 bps	
24	2400 bps	
48	4800 bps	
96	9600 bps	

- Byte No. 2. Extra CR after every print job. See Note

Byte value	Meaning	Selected value:
01	Extra CR	
02 (default)	No extra CR	

- Byte No. 3. What is the maximum number of characters per printout line for host printouts, transparent format?

Byte value	Meaning	Selected value:
$(50)_{16}$	Max 80 char/line	(hex)
$(84)_{16}$	Max 132 char/line	
$(96)_{16}$	Max 150 char/line	
$(9A)_{16}$	Max 154 char/line	

Printer Unit 4153 imposes a limit of 154 characters/line. Printer Unit 4154/55/51 imposes a limit of 132 characters/line.Printer Unit 4152 imposes a limit of 80 characters/line. Printer Unit 4153-002: max 150 chars/line. Any number up to and including these limits can be selected. Printer unit 4156 imposes a limit of 136 characters/line at 10 CPI and 163 characters/line at 12 CPI (changed typewheel)

The default value is 132 characters/line.

- Byte No. 4. ~~Spare function for future use.~~ Reserved

Byte value	Meaning	Selected value: 46
46 (default)		

- Byte No. 5. Number of extra form feeds (FF) after each print job. See Note

Byte value	Meaning	Selected value:
00 (default)	No extra FFs	

- Byte No. 6. Number of extra FFs after last print job in queue. See Note.

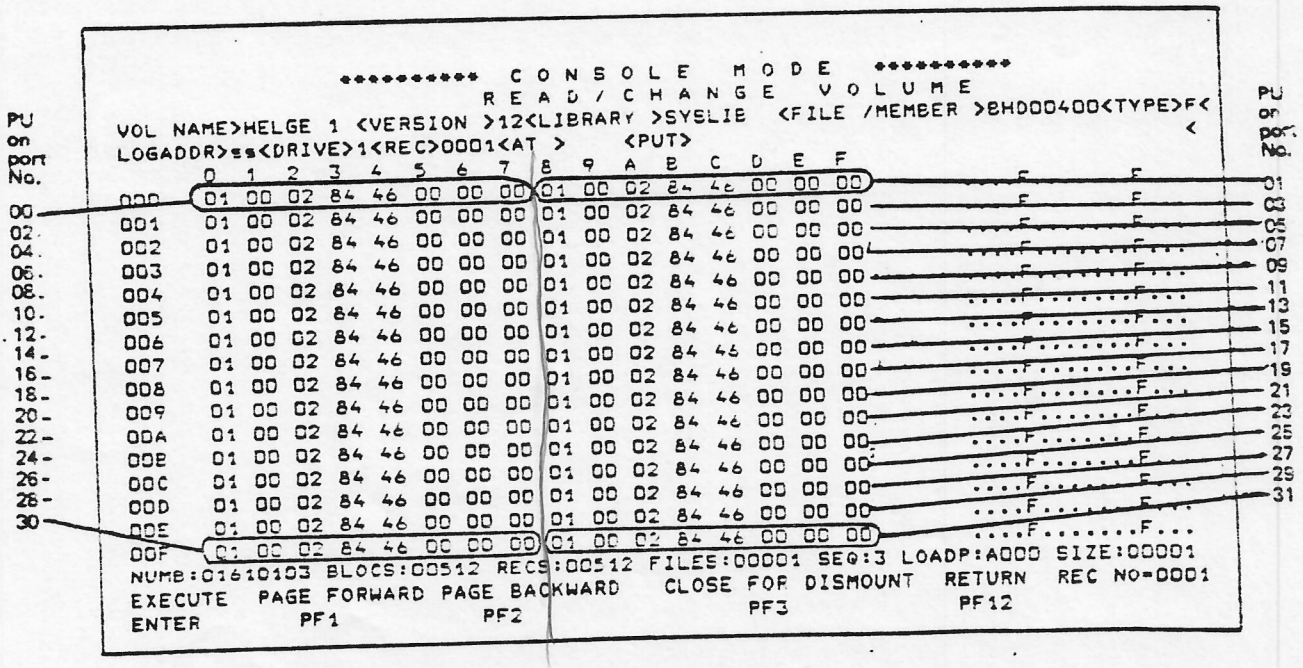
Byte value	Meaning	Selected value:
00 (default)	No extra FFs	

- Byte No. 7. PU inoperable warning. (Function not used).

Byte value	Meaning	Selected value:
00 (default)		

Note: Be aware that the use of non-default values for bytes 2, 5 and 6 may cause an unwanted splitting of computer-initiated printouts if a printout is sent as more than one print job (write-type commands).

Byte no	Printer connected to port No.	01	02	03	04			
0	Printer type	4152 04	4155 03	4152 04	4155 03			
1	Transmission speed	12	48	12	48			
2	Extra CR	02	02	02	02			
3	Max. char/line	50	50	50	50			
4	(Reserved)	46	46	46	46	46	46	46
5	No. of FF each print	00	00	00	00			
6	No. of FF last print	00	00	00	00			
7	(Reserved)	00	00	00	00	00	00	00



Display Unit 4110

Logon name >EM3274< Load map No. >0XX<, XX can vary from 01 to 10 inclusive.

Byte
0. MID:IMS/AID
1. MID:Type

Byte values, bytes 0 and 1

	S37 comp non-IMS				S37 comp IMS	
AIDs Card in:	E6	AID of send init key	E6	E7	7D	7D
Type of ID / Card out:	E6	Not sent	Not sent	Not sent	6D	Not sent
No MID connected	00 00					
S37 compatible MID function	00 01	—	02 01	—	01 01	03 01
IBM 3278 compatible MID, No Auto Send	—	XX 02	—	—	—	•(XX 02)
IBM 3278 compatible MID, Auto Send	—	—	*E6 03	*E7 03	—	7D 03*
IBM 3277 compatible MID, Auto Send	—	—	E6 04	E7 04	—	—

- • Only if ENTER key pressed after card inserted.
- * Card in AID for Nonsecure data cards is always 7D irrespective of byte 0 in EADEMPAx.

2. Numeric lock feature

01	Used
00	Not used

3. Byte to be sent to the printer before a local printout (before print).

00	No operation
0D	Carriage return, Line feed
0C	Form feed

4. Byte to be sent to printer after a local printout (after print).

0C	Form feed (FF)
0A	Line feed (LF)
00	No byte sent

5. Screen size

	Default screen size	Alternate screen size
02	24x80	24x80
03	24x80	32x80
04	24x80	43x80

6. Printer device buffer size, host prints. (Print buff. size).

	Default size	alternate size
02	1920	1920
03	1920	2560
04	1920	3440

7. NL, DUP and NL, FM replacement (NL repl)

01 The two sequences NL, DUP and NL, FM shall be replaced by VT and FF orders respectively

00 No replacement

8. Reserved, must be 00.

9 Keyboard type connected to the display unit (Data Entry).

00 Non-Data Entry ~~Typewriter, Typewriter Alternate, APL, APL Alt, TW Monocase.~~

01 Data Entry.

A. Keyboard repetition frequency (KB rep).

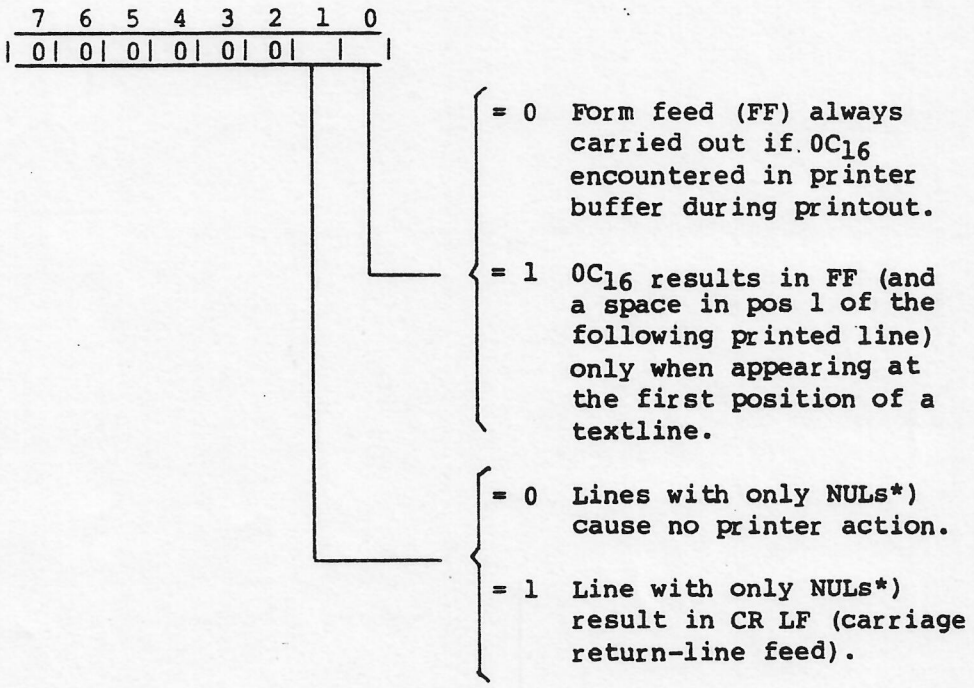
00 25 Hz
01 12.5 Hz

B. Display functions (Disp. func).

00 Covering cursor, underlined space.
10 Transparent cursor, underlined space.
20 Covering cursor, underlined word.
30 Transparent cursor, underlined word.

C. ~~Reserved, must be 80.~~
80 single host

D. Execution of printer orders (Print orders).



*) NULs refer to attribute characters, NUL characters (00_{16}) and text in non-displayed, non-printable fields.

00 = System 37 compatible printouts
03 = IBM compatible printouts.

E. Reserved, must be ~~20~~ 00

F. APL function.

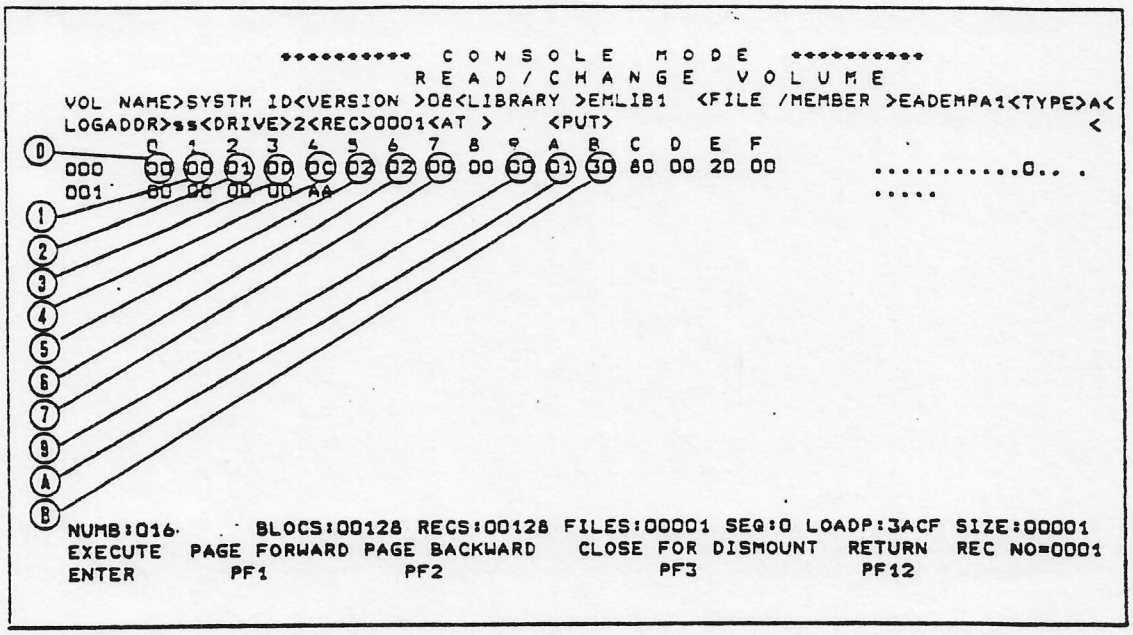
00 No APL function in DU or connected PU.
01 APL function in DU and connected PU for SE/FI, GB or US.
02 APL function in DU and connected PU for DK, NO, DE/AT, BE, FR or ES.

Fill in the functions that are to be used into the form below. Compare with the default values before entering new values into the form on the screen.

Load map number	1	2	3	4	5	6	7	8	9	10
EADEMPA	1	2	3	4	5	6	7	8	9	A
Byte Parameter										
0 MID: IMS/AID										
1 MID: type										
2 Numeric lock										
3 Before print										
4 After										
5 Screen size										
6 Print buff size										
7 NL repl										
8	00	00	00	00	00	00	00	00	00	00
9 Data Entry										
A KB rep										
B Disp func										
C	80	80	80	80	80	80	80	80	80	80
D Print orders										
E	20	20	20	20	20	20	20	20	20	20
F APL										

The following table presents the default values used on delivered diskettes.

Load map number	1	2	3	4	5	6	7	8	9	10
EADEMPA	1	2	3	4	5	6	7	8	9	A
Byte Parameter										
0 MID: IMS/AID	00	00	00	00	00	00	01	00	00	00
1 MID: type	00	01	00	00	00	00	01	00	00	00
2 Numeric lock	01	01	01	01	01	01	01	01	01	01
3 Before print	0D	0D	0D	0D	0D	0D	0D	0D	0C	0D
4 After	0C	0C	0C	0C	0C	0C	0C	0C	00	0C
5 Screen size	02	02	02	02	03	04	02	02	02	02
6 Print buff size	02	02	02	02	03	04	02	02	02	02
7 NL repl	00	00	00	00	00	00	00	01	00	00
8	00	00	00	00	00	00	00	00	00	00
9 Data Entry	00	00	01	00	00	00	00	00	00	00
A KB rep	01	01	01	01	01	01	01	01	01	01
B Disp func	30	30	30	30	10	10	30	30	30	30
C	80	80	80	80	80	80	80	80	80	80
D Print orders	00	00	00	03	00	00	00	00	00	00
E	20	20	20	20	20	20	20	20	20	20
F APL	00	00	00	00	00	00	00	00	00	00



Communication Processor 4101

1. 00C3 **Timing signals in modem interface (V24)**

18_{16} default — The modem provides both timing signals, i.e. receiver signal element timing (RSET) and transmitter signal element timing (TSET).

17_{16} — Communication processor provides TSET (1200 bits/sec).

16_{16} — Communication processor provides TSET (2400 bits/sec).

15_{16} — Communication processor provides TSET (4800 bits/sec).

14_{16} — Communication processor provides TSET (9600 bits/sec).

2. 00C4 01_{16} — Always = 01.

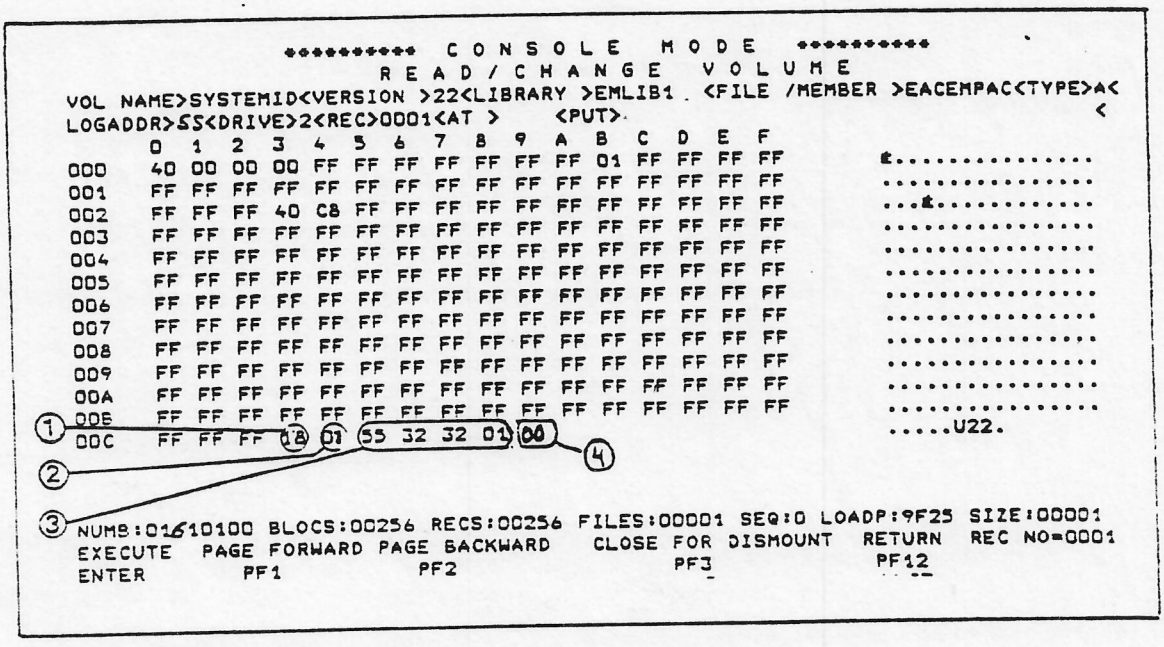
3. Table positions 00C5-00C8. Leading header for messages transmitted to the host computer.

Table pos	Default value	Meaning	Selected value:
00C5	55_{16}	First character	
00C6	32_{16}	Second character	
00C7	32_{16}	Third character	
00C8	01_{16}	Number of SYNs after header character.	

4. Request to send function

Table pos

00C9 00_{16} = Normal Request to send (default).
01_{16} = Continuous Request to send.



Automatic Loading of Emulation Software when Power is Turned On

DU logical address	Logon name	Load map No.
00	EM 3274	
01	EM 3274	
02	EM 3274	
03	EM 3274	
04	EM 3274	
05	EM 3274	
06	EM 3274	
07	EM 3274	
08	EM 3274	
09	EM 3274	
10	EM 3274	
11	EM 3274	
12	EM 3274	
13	EM 3274	
14	EM 3274	
15	EM 3274	
16	EM 3274	
17	EM 3274	
18	EM 3274	
19	EM 3274	
20	EM 3274	
21	EM 3274	
22	EM 3274	
23	EM 3274	
24	EM 3274	
25	EM 3274	
26	EM 3274	
27	EM 3274	
28	EM 3274	
29	EM 3274	
30	EM 3274	
31	EM 3274	

As default, all display units are loaded autmoatically with EM 3274, load map 001.

If autologon is defined, both logon name and load map No. must be defined. If no autologon is wanted, neither logon name nor load map No. must be defined.

Printer Authorization Matrix

Use the form below to define the printer authorization matrix.

Printer log. addr.	Printer mode	Printer classes: 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85	Source device (DU) log. addr.: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

When delivered from **ERICSSON**, the system diskette has the following default Printer Authorization Matrix.

Printer log. addr.	Printer mode	Printer classes: 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85	Source device (DU) log. addr.: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
08	J		Y Y Y Y Y Y Y

Enter the logical address of the printer and enter the printer mode (S, L or J).
Define class(es by entering a "Y" under the class number.
Indicate which display unit(s) (log addr) can use the printer for local printout by entering Y(s) under DU log addr.

1679B/SS