

```

000      N      N      L      I      N      N      EEEEE      TTTTTT      EEEEE      SSSS      TTTTTT
O      O      N      N      L      I      N      N      E      T      E      S      T
O      O      N      N      L      I      N      N      EEEE      T      EEEE      SSS      T
O      O      N      N      L      I      N      N      E      T      E      S      T
000      N      N      LLLLL      I      N      N      EEEEE      T      EEEEE      SSSS      T

```

```

CCC      000      N      N      FFFFF      I      GGGG      U      U      RRRR      A      TTTTTTT      I      000      N      N
C      O      O      N      N      F      I      G      U      U      R      R      A      A      T      I      O      O      N      N
C      O      O      N      N      FFFF      I      G      GG      U      U      RRRR      A      A      T      I      O      O      N      N
C      O      O      N      N      F      I      G      G      U      U      R      R      A      AAA      A      T      I      O      O      N      N
CCC      000      N      N      F      I      GGGG      UUU      R      R      A      A      T      I      000      N      N

```

```

DDDD      A      TTTTTT      A      SSSS      EEEEE      TTTTTT
D      D      A      A      T      A      A      S      E      T
D      D      A      A      T      A      A      SSS      EEEE      T
D      D      A      AAA      A      T      A      AAA      A      S      E      T
DDDD      A      A      T      A      A      SSSS      EEEEE      T

```

```

CCCC      DDDD      SSSSS
C      D      D      S
C      D      D      SSSS
C      D      D      S
CCCC      DDDD      SSSSS

```

```

GGGG      U      U      I      DDDD      EEEEE
G      U      U      I      D      D      E
G      GG      U      U      I      D      D      EEEE
G      G      U      U      I      D      D      E
GGGG      UUU      I      DDDD      EEEEE

```

IBM MAINTENANCE DIAGNOSTIC PROGRAM

CONFIGURATION DATA SET (CDS) GUIDE

>> PREFACE

* D99-CDSGA-20 is the level of the CDS guide as prepared for Maintenance Release 13.0, dated June 1, 1983.

* This level contains new and/or updated CDS information available after Maintenance Release 12.0.

* The CDS Core Byte Addresses for each device have been converted from DECIMAL to HEX to ease information entry.

This manual provides assistance in generating Configuration Data Set (CDS) cards that describe the configuration of devices attached to a system. Each device (whether local or remote) attached to a system must have a CDS entry to enable that device to be tested by an On-Line Test (OLT). The one exception are natively attached devices that are provided with microdiagnostics for which no CDS data is required.

* NOTE: All references to CDS cards also apply when using Console Entry/Display of CDS data.

CDS cards must be keypunched to:

- Identify RPQs.
- Describe all I/O devices attached, both local and remote.
- Describe for teleprocessing the 270X, 370X, and 7770 Control Units; also, the terminal, line, and Network Control Program (NCP) control program for 3700 Online Terminal Test.
- Identify logout analysis programs as being available on System 370.
- Identify the Central Processing Unit.
- Identify the OLTSEP system unit for printer and console.

Sections 1 through 6 contain detailed information. In some cases, these can be used as a tutorial reference if difficulty is encountered in keypunching the CDS cards.

Section 7 has instructions for keypunching the CDS-card layouts described in Section 9.

Section 8 contains the procedure for entering the CDS cards into the OLT system.

Section 9 provides, in sequential order, all CDS-card layouts supplied by the OLT. Exceptions (such as when the CDS is identified by other than the device name) are listed for cross-reference. A listing of the attachable System/370 devices is provided, which cross-references the applicable CDS-card layouts and OLT families.

NOTE:

* = Information in this line has changed from the previous Maintenance Release Level of this document.

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* >> ABBREVIATIONS

- BSA - Binary synchronous adapter, equivalent to BSC and SDA-II
- BSC - Binary synchronous communications, equivalent to BSA and SDA-II
- BSM - Basic storage module
- CA - Channel adapter
- CDS - Configuration data set
- * CPU - Central processing unit (An obsolete term, now known as a PROCESSOR)
- CRC - Cyclical redundancy check
- CS - Communications scanner
- * CTCA - Channel To Channel Adapter
- DOS - Disk operating system
- EXECUTIVE - OLTSEP, OLTEP, TOLTEP, or TOTE
- ICA - Integrated communications adapter
- IFA - Integrated file adapter
- IPCA - Interprocessor communications adapter
- ISC - Integrated storage control
- LIB - Line interface base
- * MCCU - Multisystem Channel Communications Unit
- NCP - Network control program
- NSC - Native subchannel
- OLT - Online test
- OLTT - Online terminal test
- OLTEP - OS or DOS online test executive program
- OLTSEP - Online test stand-alone executive program
- OLT(S)EP - OLTSEP, OS or DOS OLTEP
- OS - Operating system
- SDA-II - Synchronous data adapter type II, equivalent to BSA and BSC
- SOSP - Stand-alone online test support program
- TCAM - Telecommunications access method
- TOLTEP - Teleprocessing online test executive program
- TOTE - Telecommunications online test executive
- TP - Teleprocessing
- VTAM - Virtual teleprocessing access method

* >> CROSS REFERENCE CHART (CDS CARD COLUMN 22-25/MACHINE TYPE)

Card COLUMN 22-25	TYPE	DESCR	Card COLUMN 22-25	TYPE	DESCR	CARD COLUMN 22-25	TYPE	DESCR
0201	5010	CHNAT	0844	3540	DSKRD	4002	2702	RPQ'S
0204	5098	SNSRB	0846	2560	MFCM	4003	2703	TECON
0205	2955	SRFIL	* 0847	3504	CDRDR	4003	2703	RPQ'S
0801	2540	CRDPH	0848	5425	CDPCH	4004	7770	ARESU
0802	2540	CRDPH	0849	3203	OLSEP	4005	2715	TRMCU
0803	1442	CRDPH	0849	5203	OLSEP	4006	3705	COMCN
0804	2501	CDRDR	084C	3838	ARPSS	4007	3135	ICADP
0805	2520	CRDPH	0850	3203-5	OLSEP	4009	3704	COMCN
0806	3505	CDRDR	0882	3848	CRYPT	400A	3968	TERCO
0807	3525	CDPCH	* 08A0	3800	PRTSY	400D	2976	CUMOT
0808	1403	PRTR	1002	2250	DISP'	400F	5098	SNSRB
0808	1404	PRTR	1002	3060	DICON	* 40A0	3725	COMCN
0809	3800	PRTSY	1003	2848	LOCDI	40F1	3791	CLCON
080A	1443	PRTR	1004	2848	LOCPR	40F2	3274	CON
080B	1445	PRTR	1007	3066	SYSCO	4100	3150	CTCA
080C	3211	PRTR	1008	3036	CONS	4201	1030	DCS
080D	2245	PRTR	1008	3270	IDISY	4202	1050	DCS
080E	3211	PRTR	1008	4950	CHNAT	4203	1060	DCS
0810	2671	PTRDR	1009	CONS	OLSEP	4204	2740	COMTE
0812	1012	PTPCH	100B	3278	CONS	4204	2955	REMCU
0814	2947	CHCCN	100B	3279	CONS	4205	2740	COMTE
0818	3881	OMRDR	100D	5985	CDISU	4206	2741	COMTE
0819	1231	RDR	1010	3274	CON	4207	2848	REMDI
081A	1285	ORDR	1012	3250	CON	4208	2845	REMPR
081B	1287	ORDR	2001	2311	DISTG	4208	2848	REMPR
081C	1288	OPRDR	2002	2301	DRSTG	4209	2760	OPIMU
081D	1419	MCRDR	2003	2303	DRSTG	420C	3135	ICADP
081E	1419	MCRDR	2005	2321	DCDRV	420E	2700	BSTER
081F	1275	OCRDR	2006	2305	FHSTG	420F	1130	BSTER
0820	1052	PRTKB	2007	2305	FHSTG	4210	2020	BSTER
0821	2150	CONS	2008	2314	DISTG	4211	2780	BSTER
0822	1255	MCRDR	2009	3330	DISTG	4212	2770	BSTER
0829	1419	MCRDR	200A	3340	DISTG	4213	2845	REMDI
082A	1275	OCRDR	200B	3350	DISTG	4215	2972	STACU
082B	1275	OCRDR	200C	3375	DISTG	4216	3270	ISISY
082C	1275	OCRDR	200D	3330	DISTG	4217	2970	BNKTE
082D	1419	MCRDR	200E	3380	DISTG	4218	3735	PBTER
082E	1419	MCRDR	2102	3370	DISTG	4219	3945	STCON
082F	2495	TCRDR	3131	3031	LOAPG	421C	5985	CDISU
0830	1270	OCRDR	3132	3032	LOAPG	421D	3270	IDISY
0831	1017	PTRDR	3133	3033	LOAPG	421E	3274	CON
0832	1018	PTPCH	313X	5682	CHLOA	4416	3270	IDISY
0833	3210	CONPK	3155	3155	LOAPG	4420	3274	CON
0834	3215	PRTKB	3158	3158	LOAPG	4420	3700	TERM
0839	2596	CRDPH	3165	3165	LOAPG	8001	2400	MAGTP
083D	7443	CNSRF	3168	3168	LOAPG	8004	3420	MAGTP
0840	3890	DOCPR	4001	2701	TERM	8005	3410	MAGTP
0841	3886	OCRDR	4001	2701	RPQ'S	8006	8809	MAGTP
0842	3850	MASST	4001	2955	RETCU	* 8007	3430	MAGTP
0843	3895	DOCRD	4002	2702	TRMCU			

To use this Chart:

Find the four digit number in card columns 22-55 of your CDS deck. Find the same number on the chart and read machine TYPE and DESCRIPTION. For more detailed information refer to the table of contents for the location and page number.

When the label 'OLSEP' appears in the description column for a CDS entry, refer to the section titled 'OLTSEP CONTROL DEVICES'.

>> SECTION 1: CONFIGURATON DATA SET (CDS) CONCEPTS

The Configuration data set (CDS) contains all of the data and information required by an Online Test (OLT) to effectively test or verify a system device or central processing unit (CPU). Configuration data is required for all system devices (local and remote) and for all CPU's. In cases where the OLT does not require CDS information, a dummy CDS is generated for maintenance purposes.

Data in the CDS entry relates to the Unit Definition Table (UDT) data supplied to the diagnostic monitor and consists of:

- Unit address.
- Model, unit features, class, and type.
- System flags and external system mask.
- Specific device-dependent data.

The I/O CDS, as it would appear in main storage, is described in Section 3. The card format for establishing and maintaining an I/O CDS file is also described in Section 3. The configuration data required for OLT testing of each responsible device area is included in the OLT writeup as part of the instruction to the Operator on running the OLT.

The CPU CDS contains all of the data and information required for identifying the System/360 or System/370 central processing unit. The CPU CDS is a required CDS card, and is mandatory for all OLTSEP operations. The CPU CDS layout is standard for defining all CPU's. The byte layout, as it would appear in main storage, is described in Section 4. The card format for establishing a CPU CDS entry is also described in Section 4.

The Standalone Online Test Support Program (SOSP) defines the card format for entering and maintaining CDS files. A SOSP CONFIG function translates the card format to byte format and establishes CDS files. The OLT accesses the CDS files through facilities in OLT(S)EP, thereby making the configuration data available in the form needed by the OLT at the proper time.

>> SECTION 2: USE OF SYMBOLIC NAMES FOR CDS ENTRIES

Symbolic naming is a technique for accessing configuration data sets (CDSs) by other than conventional device or line addresses.

The use of symbolic names for CDS entries is mandatory for all remote terminal (downline) CDS entries and CPU CDS entries. It is optional for other I/O devices when supported by the OLT. Refer to the various OLT program writeups for details.

CDS card columns 36 to 43 are reserved for the symbolic name. The symbolic name is punched starting in column 36; all unused columns in this field must remain blank. The symbolic names must follow the Assembler-language rules for ordinary symbols. These rules are:

1. Symbols are from one to eight characters in length, and must not exceed eight characters.
2. The first character must be a letter (A - Z) or national character (\$, #, @).
3. The remaining characters may be any combination of letters or digits or the above three national characters.
4. No special character may be included in the symbol.
5. No blanks are allowed within the symbol.

No restrictions are imposed by OLT(S)EP or SOSP in the use of symbolic names for CDS entries. The only restrictions are those imposed by an operating system.

All remote-terminal CDS entries on the system have been defined by symbolic names. Refer to the CDS cards for correlation of CDS entries to terminal devices. It is possible to change the naming scheme by punching new CDS cards with the new symbolic names in columns 36 - 43. A configuration run will then be required to update the diagnostic package to obtain a NEW MASTER.

The symbolic-name file is used by SOSP to identify the CDS entry, which is referred to as "Module Name."

When the system is running with OLT(S)EP or TOTE, the symbolic name of the CDS entry is used in the DEVICE field of the DEVICE/TEST/OPTION message instead of the device or line address.

>> SECTION 3: I/O CDS ENTRY LAYOUT IN BYTE AND CARD FORMAT

>> BYTE FORMAT

Each CDS contains up to 255 bytes of basic and optional data. The basic data can be 10, 11, 12, or 20 bytes in length depending on the needs of the OLT. The length of the basic data is established by the OLT writer and is entered as part of the data within the basic portion. Optional data, if any, begins immediately following the basic data.

BYTE

0	UNIT	ADDRESS	OR	LINE	ADDRESS
4	MODEL	FEATURE		CLASS	TYPE
8	BYTE COUNT	FLAGS		FLAGS	EXTERNAL SIGNAL MASK CODE
12	...(two lines)...SYMBOLIC NAME... up to 8 characters ... →				
16	...SYMBOLIC NAME (Continued) →				
20	OPTIONAL DATA				

Optional data field starts in:

- Byte 11 - Without EXT SGL mask or symbolic name field.
- Byte 12 - With EXT SGL mask.
- Byte 20 - With symbolic name field.

Figure 1. I/O CDS Byte Layout.

A description of the I/O CDS follows:

Byte(s) Description

0-3 Unit address, or line address for teleprocessing. These four bytes provide for 32-bit addressing. The address is right-defined with zeroes to the left. (Example: 00000123)

4-7 Device Descriptors. The device descriptors are the model, feature, class, and type bytes. The device descriptors, which are device dependent, are provided by the OLT writer and are described in the OLT writeup.

The model and feature fields contain information pertinent to the diagnostically testable features of each I/O unit. The data contained in these fields does not always coincide with the field name.

The class and type are used to define the device to be tested. All I/O devices are grouped into classes according to their distinctive usage (i.e., display, unit record, DASD, tape, etc.). In order to distinguish a particular device within each class, the I/O class is then subdivided into type. Thus, a 1403 printer is type 08 in class 08, and a 2311 disk is type 01 in class 20.

8 CDS Byte Count. Because the length of a CDS entry is variable (from 10 to 255 bytes), this field is the count of the actual number of meaningful bytes of data/information contained in the CDS entry. It is calculated when SOSP performs the configuration function.

9 Flags Byte. The flag-bit definitions are constant for all CDS entries. Those bits that are pertinent to a given device are indicated in the OLT writeup. Some bits are mandatory for a given device.

Bit Meaning (with bit set to 1)

0 Device is in file-protect mode. This bit is set in the CDS by OLT(S)EP at execution time.

1 This device is shared with another system. This bit must be set in the CDS entry device in both systems.

2 This device has a CE pack mounted. This bit is set in the CDS by OLT(S)EP at execution time.

3 This CDS entry is associated with the external-interrupt feature byte 11 of the CDS entry describes the external signal mask. When bit 3 is set to 1, the basic CDS entry is 12 bytes.

4 This CDS entry is defined by a symbolic name, which is contained in bytes 12 - 19 of this entry. When bit 4 is set to one, the basic CDS entry is 20 bytes.
NOTE: When bits 3 and 4 are set to 0, the basic CDS entry is 11 bytes.

5 This device, or its control unit, has the two-channel switch feature installed. (NOTE: A 2911, 2914, etc., does not constitute the two-channel switch feature.)

6 The symbolic name in bytes 12-19 is an FE-assigned or customer-assigned name of a remote terminal and not an OLT(S)EP-defined symbolic name or other symbolic entry in the local CDS library. Presently defined OLT(S)EP units are:

OLSEPCON
OLSEPPRT
CPUCDS00

7 This device is a downline (remote) terminal attached to a 2701, 2702, or 2703, and requires the line-connection routine in OLT(S)EP to be activated (line enabling).

10 Flags Byte.

Bits 0 through 6 - Not used.

Bit 7 - When this bit is set to 1, the device indicated in CDS will not be assigned as a primary device.

11 External Signal Mask field. This field is used by some devices to indicate the external-interrupt mask for handling external interruptions. This field is present when bit 3 of flags byte 9 is set to 1, and is comparable with bits 24 - 31 of the External PSW. The OLT writeup should supply instructions for defining the external mask.

12-19 Symbolic name field. This field is used to designate the FE-assigned or customer-assigned symbolic name or the OLT(S)EP-defined symbolic name, depending on the CDS entry usage. This field is present when bit 4 or bit 6 of flags byte 9 is set to 1.

This symbolic name is used by SOSF to identify the CDS entry. When the system is running with OLT(S)EP, this name will be used in the device field of the DEVICE/TEST/OPTION message of OLT(S)EP.

11-255 Optional data field (with bits 3 and 4 in flags byte set to 0)

12-254 Optional data field (with bit 3 in flags byte set to 1)

20-254 Optional data field (with bit 4 in flags byte set to 1)

The optional data field is variable in format and is device dependent. Most devices do not require additional data. The OLT writeup should supply instructions for defining the optional data field.

>> I/O CDS CARD FORMAT

I/O CDS cards contain configuration data/information required by a device test. This data must be keypunched into the CDS card by an operator. The data to be punched is included in the OLT writeup as part of the instruction to the operator on how to run the OLT.

Normally, only a single CDS card is required to enter the CDS data and optional information. However, SOSF allows up to nine continuation cards to be used to provide a 255-byte (maximum) CDS. To signal continuation, a nonblank character must be keypunched in column 72.

* A slash (/) must be keypunched following the last field entry. The slash may be entered in any even-numbered column, beginning with column 32 up to column 70. Once the slash is entered, SOSF will allow blanks in CDS fields. Blanks will be translated as zeroes (except within the symbolic name field).

>> I/O CDS CARD LAYOUT

CARD COL	EQUIVALENT CDS BYTE	DESCRIPTION
1	-	Always blank.
2-4	-	Characters, CDS
5-9	-	Always blank.
10-17	0-3	Device or line address.
18-19	4	Model code.
20-21	5	Feature code.
22-23	6	Class code
24-25	7	Type code.
26-29	-	Unused, leave blank.
30-31	9	Flags.
32-33	10	Flags.
34-71	11-29	Optional data, as required.
36-71	12-29	Optional data, as required.
44-71	20-29	Optional data, as required.
34-35	11	When specified, field external signal mask.
36-43	12-19	When specified, symbolic name field.
72	-	Continuation character, when continuation is required.

>> I/O CONTINUATION CARD LAYOUT

CARD COL	EQUIVALENT CDS BYTE	DESCRIPTION
1-15		Must be blank.
16-71		Additional data, as required.
72		Continuation column (not to be used on last card).

>> SECTION 4: CPU CDS ENTRY LAYOUT IN BYTE AND CARD FORMAT

* >> CPU CDS BYTE FORMAT

Each CDS contains up to 255 bytes of data. The contents of the CPU CDS format are standard for all central processing units. The total length of the CPU CDS is variable, and depends on the number of channels attached to the central processor.

WORD	BYTE(S)	BIT(S)	DESCRIPTION																												
0	0-1	0-15	<p>Central processing unit features.</p> <p>These two bytes indicate features, whether standard or special, that are installed on the CPU. Features on the CPU not specified are not required information.</p> <table border="1"> <thead> <tr> <th>Bit</th> <th>Feature Installed</th> </tr> </thead> <tbody> <tr><td>0</td><td>Interval timer</td></tr> <tr><td>1</td><td>High-resolution timer</td></tr> <tr><td>2</td><td>Decimal arithmetic</td></tr> <tr><td>3</td><td>Storage Protect</td></tr> <tr><td>4</td><td>Fetch protection</td></tr> <tr><td>5</td><td>Direct control</td></tr> <tr><td>6</td><td>Floating point rounding</td></tr> <tr><td>7</td><td>Time-of-day clock</td></tr> <tr><td>8</td><td>Extended precision floating point</td></tr> <tr><td>9</td><td>Floating point</td></tr> <tr><td>10</td><td>Accelerator (for the S/360 Model 44, this applies to the high-speed general-purpose register.)</td></tr> <tr><td>11</td><td>NOT USED</td></tr> <tr><td>12-15</td><td>Reserved</td></tr> </tbody> </table>	Bit	Feature Installed	0	Interval timer	1	High-resolution timer	2	Decimal arithmetic	3	Storage Protect	4	Fetch protection	5	Direct control	6	Floating point rounding	7	Time-of-day clock	8	Extended precision floating point	9	Floating point	10	Accelerator (for the S/360 Model 44, this applies to the high-speed general-purpose register.)	11	NOT USED	12-15	Reserved
Bit	Feature Installed																														
0	Interval timer																														
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7	Time-of-day clock																														
8	Extended precision floating point																														
9	Floating point																														
10	Accelerator (for the S/360 Model 44, this applies to the high-speed general-purpose register.)																														
11	NOT USED																														
12-15	Reserved																														
0	2-3		<p>Central processing unit model number.</p> <p>These two bytes contain the number of the central processing unit.</p> <p>Example: 2030 for System/360 Model 30; 3155 for System/370 Model 155.</p>																												
1	0-3		<p>This word contains the hexadecimal value for a branch-on-count (BCT) loop to itself with BCT instruction on a word boundary. The count value is for a one-second delay.</p>																												
2	0		<p>CDS Byte Count (entered by SOSP).</p> <p>Because the length of a CPU CDS entry is variable, this field is the count of the actual number of meaningful bytes of data/information contained in the CPU CDS entry.</p>																												

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<u>WORD</u>	<u>BYTE(S)</u>	<u>BIT(S)</u>	<u>DESCRIPTION</u>
2	1		Flag Byte. The flag bits are constant for all CDS entries. Only bit 4 is pertinent to a CPU CDS entry, and it is mandatory that it be set to 1.
		4	This CDS entry is defined by a symbolic name which is contained in words 3 and 4 of the CPU CDS entry.
2	2-3		Reserved.
3-4			Symbolic name field. This field contains the symbolic name of the system-defined CDS entry. The assigned symbolic name for a CPU CDS entry is CPUCDS00. Bit 4 of the Flags Byte must be set to 1.
5	0-1		Channel 0 map.
	2-3		Channel 1 map.
6	0-1		Channel 2 map.
	2-3		Channel 3 map.
7	0-1		Channel 4 map.
	2-3		Channel 5 map.
63	0-1		Channel 96 map.
	2-3		Channel 97 map.

>> CPU CDS CARD FORMAT

The following paragraphs describe the preparation of the CPU CDS cards for use by the Standalone Online Support Program (SOSP).

Normally, only a single CPU CDS card is required to enter the CPU CDS data. For systems with channel 6 or higher, continuation cards are required. SOSP provides up to nine continuous cards to provide for a 255-byte maximum CPU CDS. To signal continuation, a nonblank character must be keypunched in column 72.

A slash (/) must be entered immediately following the last field entry. The earliest card column in which a slash may appear is column 48, when channel 0 is the only attached channel. For a CPU with seven channels attached, a continuation card is required with a slash keypunched in column 16 of the second card.

Comments may be punched following the slash, which indicates "end of CDS data" to SOSP.

>> CPU CDS CARD LAYOUT

CARD COLUMN	EQUIVALENT CDS WORD / BYTE(S)	DESCRIPTION
1		Always blank.
2-4		Characters: CDS
5-9		Always blank.
10-13	0/0-1	CPU features
14-17	0/2-3	CPU model number.
18-25	1/0-3	BCT 1 section count.
26-29		Unused, leave blank.
30-31	2/1	Flags
32-35	2/2-3	Reserved, leave blank
36-43	3,4/	Symbolic name field
44-47	5/0-1	Channel 0 map entry.
48-51	5/2-3	Channel 1 map entry.
52-55	6/0-1	Channel 2 map entry.
56-59	6/2-3	Channel 3 map entry.
60-63	7/0-1	Channel 4 map entry.
64-67	7/2-3	Channel 5 map entry.
68-71	8/0-1	Channel 6 map entry.
72		Continuation character, when continuation is required.

>> CPU CONTINUATION CARD LAYOUT

CARD COLUMN	EQUIVALENT CDS WORD/BYTE	DESCRIPTION
1-15		Must be blank.
16-71		Additional channel map entries.
72		Continuation column (not to be used in last card).

The bit meanings for channel entries are as follows:

BIT	DEFINITION (WITH BIT SET TO 1)
0	Channel is attached to CPU.
1	Attached channel is a selector channel. (If this bit is 0, the attached channel is a multiplexer channel.)
2	With selector subchannel feature installed, all attached subchannels are described in bits 12-15. (If this bit is 0, all subchannels are byte-multiplexer channels.)
3	Attached multiplexer channel is a high-speed multiplexer channel.
4	Attached channel has the input/output extended logout pointer.
5-11	Reserved.
12	Selector subchannel is in slot C, first selector subchannel.
13	Selector subchannel is in slot D, second selector subchannel.
14	Selector subchannel is in slot E, third selector subchannel.
15	Selector subchannel is in slot F, fourth selector subchannel.

>> SECTION 5: EXTENDED FIXED AREA

>> TELEPROCESSING UNIT DEFINITION FOR ATTACHMENT TO 2701, 2702, 2703, 3704, and 3705

Remote teleprocessing units (i.e., 2740, 2741, 3270, etc.) attached to 270X or 370X control units require additional definition in the CDS because of phone line operation and the amount of equipment required to complete the link. The remote CDS must describe the complete path as follows:

- Device flags
- Communication link in use (i.e., point-to-point, switched, etc.)
- Local control unit driver (270X, 370X)
- Line connection command sequence
- Telephone number, if applicable
- SET MODE data, if applicable
- Modems used, if IBM.

All of the information required by the Executive to establish a line connection for the terminal being tested is included in the CDS, beginning in column 44 and extending as many columns as required to enter the information. This information is referred to as the extended fixed area of a remote terminal CDS. The format of the extended fixed area is provided in the following text.

COLUMN(S)

44-45 Extended fixed area length byte (in hexadecimal). These columns contain the byte length of the extended fixed area. The OLT uses this value to locate the starting point of any optional data required to test the remote terminal following the extended fixed area.

The extended area contains the extended area flag bytes, line connection command sequence code, SET MODE data bytes, and telephone digits of a dialable remote terminal.

The minimum count is 4.

The valid counts to be entered in columns 44-45 are:

- 04 For nonswitched lines attached to non-SDA-I (STR) or SDA-II (BSC or BSA) adapters. This would also apply to nonswitched lines attached to SDA-I or SDA-II adapters not requiring SETMODE command.
- 06 For nonswitched lines attached to SDA-I or SDA-II adapters requiring the SETMODE command to be issued.
- 05+N (N = number of phone dial digits.) For switched lines attached to adapters other than SDA-I or SDA-II, or attached to SDA-I or SDA-II adapters not requiring SETMODE command.
- 07+N (N = number of phone dial digits.) For switched lines attached to SDA-I or SDA-II adapters requiring the SETMODE command to be issued.

Example: For SDA-II switched lines with seven phone dial digits, the count entered in columns 44-45 would be 0E (7 + 7 = E).

46-47 Extended area flag bits.

Column 46 (in hexadecimal):

- 8 Two-byte SET MODE data present in columns 52-55. (Required for SDA I and SDA II Adapters when SET MODE command is required.)
- 4 The autocall feature is available in the local control unit and is to be used in initiating a call to a remote terminal via the DIAL command.
- 2 The communication link is a switched network.
- 1 The communication link is a nonswitched multidrop network. If neither bit 2 nor bit 3 is on, the network is assumed to be point-to-point.

Column 47 (in hexadecimal):

- 8 World Trade answer tone required for SDA-II (BSA or BSC). This bit is required on SDA-II World Trade data sets that do not respond to the caller to indicate that the line is ready to be set in data mode.

48-49 Undefined, leave blank.

50-51 Line connection command sequence code. These two columns define the command sequence required to develop the line connection channel program.

The channel program is always headed by a DISABLE CCW. The last CCW in the chain will be either an ENABLE (see NOTE) or DIAL CCW, depending on the setting of bit 1 (column 46, hex 4) of the extended area flag bits. With bit 1 off, an ENABLE CCW is issued. With bit 1 on, a DIAL CCW is issued. With bit 1 off and the ACF available on the adapter, a manual call with ENABLE CCW is implied.

NOTE: For World Trade answer tone (hex 8 of extended area flags, column 47), a write CCW is chained to the ENABLE CCW.

These two columns provide information for including the SETMODE or SADX CCW in the channel program. Enter the following hex value into these columns as applicable:

- 01 Neither SETMODE or SADX (set address) command required.
- 02 SETMODE for SDA-I adapter required. Columns 52-55 contain SDA-I SET MODE data.
- 03 SETMODE for SDA-II (BSA or BSC) adapter required. Columns 52-53 contain SDA-II SET MODE data, columns 54-55 left blank.
- 04 For 2702 TCU, a SADZERO command is required to assign line to a terminal control and speed.
- 05 For 2702 TCU, a SADONE command is required to assign line terminal control and speed.
- 06 For 2702 TCU, a SADTWO command is required to assign line terminal control and speed.
- 07 For 2702 TCU, a SADTHREE command is required to assign line terminal control and speed.

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52-55 SET MODE data with bit 0, column 45 set on. These four columns contain the data required for issuing the SETMODE CCW for SDA-I or SDA-II (BSA or BSC). For SDA-I, all four columns are required. For SDA-II, only columns 52-53 are required and columns 54-55 must be left blank.

52,56 Number of phone dial digits with bits 1 or 2 (or both), column 46 set on (hex values 4 and 2 of column 46).

Column 52 without SETMODE data field present.

Column 56 with SETMODE data field present.

These two columns contain the number of phone dial digits of the remote terminal in hex. The maximum value is 20 (hex 14).

A count of 00 is valid only with bit 1 off and bit 2 on. This indicates that a manual call is required but phone number is not provided in the CDS.

54,58 Phone dial digits with hex 2 or 4 (or both), column 46 punched and number of phone dial digits nonzero.

Column 54 without SETMODE data field present. The phone number of the switchable remote terminal. Two columns are required for each dial digit (i.e., for a 9, enter F9 in two columns). An F (a zero or blank is also acceptable) would precede each decimal digit. The number must be entered in decimal 0 through 9.

For example: For phone number 34057, enter F3F4F0F5F7.

If the phone digit is 7 or greater with set mode data, or 9 or greater without set mode data, a second CDS card is required. Enter a nonblank character in column 72 and begin in column 16 of the second card (leave first 15 columns blank) and enter any remaining phone numbers.

>> END OF EXTENDED FIXED AREA

If an OLT specifies OPTIONAL DATA, it begins in the column immediately following the last column used in entering the extended fixed area data. Optional data requirements are provided with the device CDS layout.

>> SECTION 6: 2701, 2702, AND 2703 RPQ CDS CARD LAYOUT PROCEDURE

Because of their peculiarities, the 2701, 2702, and 2703 RPQ card layouts are discussed separately in this section.

These RPQ card layouts are divided into three categories: (1) those RPQs that are attachments to a standard or RPQ adapter, (2) those RPQs that are considered as RPQ adapters themselves, and (3) adapters with multiple RPQs installed.

1. RPQs, for attachment to a standard or RPQ adapter:

These RPQ OLTs are being provided to be run in conjunction with applicable standard OLTs or RPQ adapter OLTs.

2. RPQ adapters:

These RPQ OLTs comprise a complete set of OLTs to test the RPQ adapter and are not run in conjunction with any standard OLTs. As such, generation of two cards is required to define the data required to run the OLTs.

3. Handling of Multiple RPQs:

It is possible that more than one RPQ will apply to a standard or RPQ adapter. For these situations, the RPQ number field is extended to accommodate the additional RPQ numbers installed. These additional RPQ numbers are keypunched in columns 32-43, 44-55, 56-67, etc. By adding additional continuation cards, it is theoretically possible to include up to thirty RPQ numbers for a given CDS.

>> SECTION 7: KEYPUNCHING INSTRUCTIONS (INCLUDING CONSOLE CDS ENTRY)

A card layout representation is provided for all released OLT support. The layout begins in column 10 and extends as many columns as required to enter the defined information as provided by the OLT developers.

The layout for columns 1 through 9 is the same for all CDS, as follows:

Column(s)

1 Blank
2-4 Punch characters CDS
5-9 Blank

Except for entering a symbolic name (when required) in columns 36 through 43, two card columns are required for entering one byte of data/information. Each card column represents four bits in hex; 0-9, A-F. The even-numbered card columns contain bits 0-3 and adjacent odd-numbered card columns contain bits 4-7. A word of caution is noted when entering EBCDIC data in the optional data field. Example: To enter an EBCDIC 1, enter F1 in respective card columns.

>> SECTION 8: PREPARATION OF CDS DECK FOR A SOSP CONFIGURATION RUN

In order to prepare a CDS deck for SOSP configuration run, it is necessary to separate the cards into two files, local and remote, depending on the setting of bits 4 and 6 in the flag field (byte 9), (Card Column 31):

Bits 4 and 6	File Residence
00	Local
01	(Invalid; layout rejected)
10	Local
11	Remote

SOSP maintains the two files separately.

Within the local and remote files, the CDS cards may be in any order.

The following sequence of cards within the CDS must be maintained:

1. The OLTSEP System Unit Definition **
 - a. OLSEPCON - Console assignment
 - b. OLSEPPRT - Printer assignment
 - c. CPUCDS00 - CPU definition

2. The local file

The 3155 and 3165 layout analysis (LOA) cards are also resident in this file.

3. The remote file

4. CDSEND

The CDSEND is punched in card columns 2 through 7. See Figure 2. All the CDS card layouts are identified as belonging to either the local or remote file.

** See OLTSEP User's Guide (D99-SEPEC-XX) for Multiple Control Device CDS.

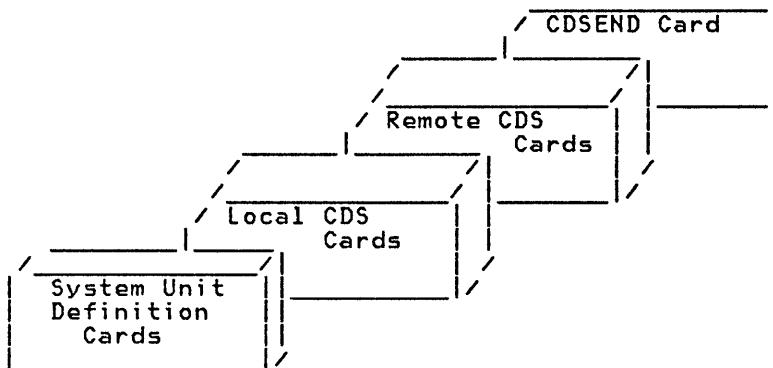


Figure 2. CDS Deck Order.

>> SECTION 9: CDS CARD LAYOUTS

The CDS card layouts are arranged in the following order:

- * • OLTSEP System Units - For Console and Printer.
- System/360 Processor(s) - CPUCDS00.
- System/370 Processor(s) - CPUCDS00.
- System/303X Processor(s) - CPUCDS00.
- * • System/308X Processor(s) - CPUCDS00.
- * • System/908X Processor(s) - CPUCDS00.
- System/43XX Processor(s) - CPUCDS00.
- Device types in sequential order.
- BSC RFT - For OLT T2700 which supports 2701 and 2703 binary synchronous terminals: System/360 or System/370 CPU, 1130, 2020, 2770, 2780, 2715, 3735, etc.
- 270X RPQs arranged in sequential order by RPQ number.

Device type layout exceptions:

Device Type	CDS Layout Reference
1053 Local	2848 Local
1035 Remote	2845 or 2848 Remote
2260 Local	2848 Local
2260 Remote	2848 Remote
2265 Remote	2845 Remote
2312, 2313, 2318, 2319	2314
2401, 2402, 2403, 2404, 2415, 2420	2400

The following control units do not require CDS's because they are defined by the device(s) attached to them: 2803, 2804, 2820, 2821, 2822, 2826, 2835, 2840, 2841, 2844, 3803, and 3811.

A listing of the System/370 attachable devices follows, which cross-references the applicable CDS card layout(s) and OLT families.

* TABLE 1. SYSTEM/370 ATTACHABLE UNIT/OLT SUPPORT REFERENCE (PART 1 OF 6)

ATTACHABLE UNIT AND DESCRIPTION	DEVICE OLT TO ORDER	SUPPORT OLT TO ORDER	COMMENT	CDS LAYOUT PAGE
Control Programs, System/360 CDS with order.	SET1A			28
Control Programs, System/370 CDS with order.	SET3A			30
Control Programs, 303X Processor CDS with order	SET3A			33
* Control Programs, 308X Processor CDS with order	SET7A			35
* Control Programs, 43XX Processor CDS with order	SET5A			37
* Control Programs, 908X Processor CDS with order	SET7A			35
OLTSEP Control Devices: Printer, Console, 2955				26
Control Programs, S/360 Starter CDS	SET1B			
Control Programs, S/370 Starter CDS	SET3B			
Control Programs, 303X Processor -Starter CDS	SET3B			
* Control Programs, 308X Processor -Starter CDS	SET7B			
* Control Programs, 43XX Processor -Starter CDS	SET5B			
* Control Programs, 908X Processor -Starter CDS	SET7B			
Friend, System/370 I/O Tool	0200A		Note A	
Systems Test, System/370 I/O for ST370 and ST4300	0370A			
CPU Terminal, Sys/360/370, Online CDS Update Prog	3700A			
1012 Paper Tape Punch	1012A			39
1017 Paper Tape Reader	N/O	2826A		40
1017 Paper Tape Reader	N/O	3945A	Term 2	40
1018 Paper Tape Punch	N/O	2826A		41
1030 Data Collection System	1030A		Term 1	42
1050 Data Communication System	1050A		Term 1	43
1052 Printer Keyboard, Model 7	N/O	2150A		46
1053 Printer Model 4 (Remote)	N/O	2845A	Term 2	118
1053 Printer Model 4 (Local)	N/O	2848A		120
1053 Printer Model 4 (Remote)	N/O	2848A	Term 2	121
1060 Data Communication System	1060A		Term 1	46
1062 Terminal, Model 4	N/O	3945A	Term 2	233
1130 CPU Downline OLTs	3700A			
1231 Mark Reader, Model N1	1231A			48
1255 Magnetic Character Reader	1255A			48
1259 Magnetic Character Reader	N/O			
1270 Optical Character Reader	1270A			50
1275 Optical Reader Sorter (OS)	1275B			52
1275 Optical Reader Sorter (DOS)	1275A			51
1285 Optical Reader	1285A			53
1287 Optical Reader Models 1, 2, 3, and 4	1287A			54
1287 Optical Reader Model 5	1287B			54
1287 Optical Reader (WTC)	1287C		Note D	54
1288 Optical Page Reader	1288A			56
1288 Optical Page Reader (WTC)	1288B		Note D	56
1402 Reader			Note G	
1403 Printer	1403A	2821A		57
1404 Printer	1404A	2821A		58
1419 Magnetic Character Reader (SA/DOS)	1419C			59
1419 Magnetic Character Reader (DA/DOS)	1419B			61
1419 Magnetic Character Reader (DA/OS)	1419A			63
1442 Card Read Punch Models N1 and N2	1442A			65
1443 Printer Model N1	1443A			66
1445 Printer	1445A			66
1800 CPU Remote Downline OLTs	3700A			
2150 Console	2150A			67
220C Display Console			Note G	
2245 Kanji Printer (WTC Japan)	2245A		Note D	67
2250 Display Unit Models 1, 2, and 3	2250A			68
2260 Display Station (Local)	N/O	2848A		120
2260 Display Station (Remote)	N/O	2848A	Term 2	121
2260 Display Station (Remote, Configurator)	2260A	N/O	Appdx A	
2265 Display Station Model 1 (Remote)	N/O	2845A	Term 2	118
2265 Display Station (Remote, Configurator)	2265A	N/O	Appdx A	
2285 Display Copier	N/O	N/O		

Table 1. System/370 Attachable Unit/OLT Support Reference (Part 2 of 6)

ATTACHABLE UNIT AND DESCRIPTION	DEVICE OLT TO ORDER	SUPPORT OLT TO ORDER	COMMENT	CDS LAYOUT PAGE
2301 Drum Storage	2301A	2820A		69
2303 Drum Storage	2303A	2841A		70
2305 Fixed Head Storage	2305A	2835A		71
2311 Disk Storage	2311A	2841A		72
2312 Disk Storage	N/O	2313A		73
2312 Disk Storage	N/O	2314A		73
2313 Disk Storage	2313A	2314A		73
2314 Direct Access Storage Facility	2314A	2313A		73
2318 Disk Storage	N/O	2313A		73
2318 Disk Storage	N/O	2314A		73
2319 Disk Storage	N/O	2313A		73
2319 Disk Storage	N/O	2314A		73
2321 Data Cell Drive	2321A	2841A		74
2400 Magnetic Tape			Note G	
2401 Magnetic Tape Unit	N/O	2400A		75
2402 Magnetic Tape Unit	N/O	2400A		75
2403 Magnetic Tape Unit Control	N/O	2400A		75
2404 Magnetic Tape Unit Control	N/O	2400A		75
2415 Magnetic Tape Unit Control	N/O	2400A		75
2420 Magnetic Tape Unit	N/O	2400A		75
2495 Tape Cartridge Reader	2495A			76
2501 Card Reader Models B1 and B2	2501A			77
2520 Card Read Punch Models B1, B2, and B3	2520A			78
2540 Card Read Punch	2540A	2821A		79
2560 Card Read Punch MFCM	2520A			79
2596 Card Read Punch	2596A			81
2671 Paper Tape Reader	2671A			81
2700 Binary Synchronous Terminal	2700A	2700B		82
2701 Line Adapter, IBM I	2701A			85
2701 Line Adapter, IBM II	2701B			86
2701 Line Adapter, IBM III	2701C			87
2701 Line Adapter, TTY I	2701K			88
2701 Line Adapter, TTY II	2701L			89
2701 Line Adapter, WTC/TTY	2701M		Note D	90
2701 Line Adapter, PDA	2701Q			91
2701 Line Adapter, SDA Type I	2701N			92
2701 Line Adapter, SDA Type II	2701F	3700A	Term 2	93
2702 Terminal Control, IBM I	2702A	2702H		95
2702 Terminal Control, IBM I with Break Feature	2702C	2702H		96
2702 Terminal Control, IBM II	2702B	2702H		97
2702 Terminal Control, TTY I	2702D	2702H		98
2702 Terminal Control, TTY II	2702E	2702H		100
2702 Terminal Control, WTC/TTY	2702G	2702H	Note D	101
2702 Terminal Control, Common/Autocall	2702H			
2703 Terminal Control, IBM I	2703A	2703H		102
2703 Terminal Control, IBM I with Break Feature	2703C	2703H		103
2703 Terminal Control, IBM II	2703B	2703H		104
2703 Terminal Control, TTY I	2703D	2703H		106
2703 Terminal Control, TTY II	2703E	2703H		107
2703 Terminal Control, WTC/TTY	2703G	2703H	Note D	108
2703 Terminal Control, BSC	2703F	2703H		109
2703 Terminal Control with 2702 Wrap				110
2703 Terminal Control, Common/Autocall	2703H			

Table 1. System/370 Attachable Unit/OLT Support Reference (Part 3 of 6)

ATTACHABLE UNIT AND DESCRIPTION	DEVICE OLT TO ORDER	SUPPORT OLT TO ORDER	COMMENT	CDS LAYOUT PAGE
2715 Terminal Control, Model 1	2715A		Term 1	111
2740 Communication Terminal Models 1 and 2	3700A			183
2741 Communication Terminal	3700A			183
2750 Optical Image Unit	2760A		Term 1	117
2760 Optical Image Unit, Display System	2760A			
2770 Communication Terminal		3700A		183
2780 Communication Terminal		3700A		183
2803 Tape Control Unit		2400A		75
2804 Tape Control Unit		2400A		75
2816 Tape Switching Unit	N/O	N/O		
2820 Drum Storage Control	2820A	2301A		69
2821 Card Read Punch Print Control Model 1	2821A	2540A		79
2821 Card Read Punch Print Control Mdls 1, 2, 3	2821A	1403A		57
2821 Card Read Punch Print Control Model 4	2821A	2540A		79
2821 Card Read Punch Print Control Model 4	2821A	1404A		58
2821 Card Read Punch Print Control Model 5	2821A	2540A		79
2821 Card Read Punch Print Control Model 5	2821A	1403A		57
2821 Card Read Punch Print Control Model 6	2821A	2540A		79
2822 Paper Tape Reader Control	N/O	2671A		81
2826 Paper Tape Control	2826A			40
2826 Paper Tape Control	2826A			41
2835 Fixed Head Storage Control	2835A	2305A		71
2840 Display Control Model 2		2250A		68
2841 Storage Control	2841A	2311A		72
2841 Storage Control	2841A	2321A		74
2844 Auxiliary Storage Control	N/O	2314A		73
2845 Display Control (Remote)	2845A		Term 1	118
2848 Display Control (Local)	2848A			120
2848 Display Control (Remote)	2848A		Term 1	121
2947 Check Collection Controller	2947A			123
2955 RETAIN/370 Control Unit (Local)	2955A	2701A		124
2955 RETAIN/370 Control Unit (Remote)	2955A	2740A		125
2956 Magnetic Character Reader (SA/DOS)		1419C		59
2956 Magnetic Character Reader (DA/DOS)		1419B		61
2956 Magnetic Character Reader (DA/OS)		1419A		63
2970 Terminal Model 9	2970A		Term 1	126
2972 Station Control Unit, Models 8 and 11	2972A		Term 1	128
2976 Control Unit	2976A			131
2980 Terminal Model 2	N/O	3945A	Term 2	233
2980 Terminal Model 2, with Katakana Feature	N/O	3945A	Term 2	233
2980 Terminal Model 5	N/O	3945A	Term 2	233
* 303X Processor (New Systems Test-2)	3030A			
3031 Processing Unit (for Model 3031)	3031A	5682A		132
3032 Processing Unit (for Model 3032)	3132A	5682A		133
3033 Processing Unit (for Model 3033)	3033A	5682A		134
3036 System Console (for Model 303X)	N/O	N/O		135
3060 System Console (for Model 195)	N/O	2250A		135
3066 System Console (for Model 165)	N/O	N/O		136
* 308X Processor (New Systems Test-2)	3080A			
3115 Processing Unit	N/O	N/O		
3125 Processing Unit	N/O		Note G	
3125/3115 Integrated Comm Adapter	N/O	3700A		

Table 1. System/370 Attachable Unit/OLT Support Reference (Part 4 of 6)

ATTACHABLE UNIT AND DESCRIPTION	DEVICE OLT TO ORDER	SUPPORT OLT TO ORDER	COMMENT	CDS LAYOUT PAGE
3135/8 Processing Unit (For Model 135)	N/O	N/O		
3135/8 Integrated Comm Adapter, 4640 IBM I (TA1)	4640A			136
3135/8 Integrated Comm Adapter, 4640 IBM III (TA3)	4640C			137
3135/8 Integrated Comm Adapter, 4640 Autocall	4640D			
3135/8 Integrated Comm Adapter, 4640 SDA II (BSC)	4640F	3700A		139
3135/8 Integrated Comm Adapter, 4640 TTY II	4640L			141
3135/8 Integrated Comm Terminal, 4640 TTY II	4640T			142
3135 Integrated File Adapter		3330B	Note C	227
3145/8 Processing Unit (for Model 145)	N/O	N/O		
314X Storage Control	3830D	3330B	Note C	227
3150 Channel to Channel Adapter	3150A			144
3155 Processing Unit (for Models 155 and 155 II)	3155A			145
3158 Processing Unit (For Model 158)	3158A			145
3158 Storage Control	3830D	3330B	Note C	227
3165 Processing Unit (For Model 165)	3165A			146
3165 Processing Unit (for Model 165 II)	3168A			146
3168 Processing Unit (for Model 168)	3168A			146
3195 Processing Unit (for Model 195)	N/O	N/O		
3203/5203 Printer			Note G	
* 3203-5 Printer	3203A			148
3210 Console Printer-Keyboard	3210A			148
3211 Printer	3811B			149
3215 Console Printer-Keyboard	3215A			150
3250 Display Unit	3250A			151
3270 Information Display System, Local	3270A			151
3270 Information Display System, Remote	3270B		Term 1	153
3270/3705 Information Display System NCP and	3270C	3700A	Term 1	160
3270/3705 Information Display System NCP	3271A	3700A		160
3270 Information Display System SNA	3270D		Term 1	
3274 Models 1B and 1D (3270 Local)	3274A			164
3274 Model 1C (270X BSC)	3274B		Term 1	165
3274/3705 Model 1C (370X NCP BSC)	3274C	3700A	Term 1	167
3274 Model 1A (Local SNA)	3274D			164
3274/3276 SDLC	N/O	3700C		
3276 Order as 3274 Model 1C	3274B-C			
3277-2 Display Console			Note G	
* 3278 Model 2A 43XX, 308X, 908X Operator Console	N/O	N/O		170
* 3279 Model 2C 43XX, 308X, 908X Operator Console	N/O	N/O		170
3310	N/O	N/O		
3330 Disk Storage	3330B	3830A	Note C	171
3330/3333 Disk Storage	3330B	3830D	Note C	171
3330 MSS Disk Storage - Attached as staging or convertable device	3331A	3831A		171
3340 Disk Storage	3340A	3830D	Note C	173
3344 Disk Storage			Note H	
3345 Storage and Control Frame	3830D	3330B 3340A	Note C	
3350 Disk Storage	3350A	3830D		174
3360 Processor Storage (for Models 155 and 165)	N/O	N/O		
3370 Disk Storage	N/O	N/O		176
3375 Disk Storage	N/O	N/O		177
3380 Disk Storage	N/O	N/O		178
3410 Magnetic Tape Unit	3410A			179
3411 Magnetic Tape Unit and Control		3410A		179
3420 Magnetic Tape Unit	3420A			179
3420 Magnetic Tape Unit attach to 3115/3125 CPU	3421A			179
* 3430 Magnetic Tape Unit	3430A			180
3504 Reader			Note G	181
3505 Card Reader	3505A			181
3525 Card Punch	3525A			182
3540 Diskette Reader	3540A			182

Table 1. System/370 Attachable Unit/OLT Support Reference (Part 5 of 6)

	ATTACHABLE UNIT AND DESCRIPTION	DEVICE OLT TO ORDER	SUPPORT OLT TO ORDER	COMMENT	CDS LAYOUT PAGE
	3600 Finance Communication System	N/O	3700C		191
	3614 Consumer Transaction Facility	N/O	3700C		191
	3650 Retail Store System (BSC)	N/O	3700A		183
	3650 Retail Store System (SDLC)	N/O	3700C		191
	3660 Supermarket System (BSC)	N/O	3700A		183
	3660 Supermarket System (SDLC)	N/O	3700C		191
	3700 Terminal	3700A			183
	3700 Line	3700A			191
	3700 NCP	3700A			194
	3704 Communications Controller	3704A			197
	3704 NCP, Online Terminal Tests	N/O	3700A		183
	3704 NCP3/VTAM API Echo	N/O	3700D		190
*	3705 Communications Controller Model 2	3705A			202
*	3705 Communications Controller Model 80	3705F			216
	3705 NCP, Online Terminal Tests	N/O	3700A		183
	3705 NCP3/VTAM API Echo	N/O	3700D		190
*	3725 Communications Controller	3725A			222
	3735 Program Buffered Terminal	3735A	3700A	Term 1	223
	3741 Key Station	N/O	3700A	Term 1	82
	3747 Data Converter	N/O	3700A	Term 1	82
	3767 Communication Terminal	NOTE F	N/O	Term 1	225
	3767 Communication Terminal (SDLC)	N/O	3700C		191
	3770 Data Communication System	N/O	3700A	Term 1	225
	3770 Data Communication System (SDLC)	N/O	3700C		191
	3790 Communication System Local	3791A			225
	3790 Communication System Remote	N/O	3700C		226
*	3800 Printer Models 1 and 2	3800A			226
*	3800 Printer Models 3 and 8	3801A			226
	3803 Magnetic Tape Control	N/O	3420A		179
	3811 Printer Control, Stage 2, Line Indexing	3811B			149
	3814	N/O	N/O		
	3830 Disk Storage Control, Model 1	3830A	3330B	Note C	227
	3830 Disk Storage Control, Model 2	3830D	3330B	Note C	227
	3830-3 Staging Adapter	3831A	3331A		227
	3838 Array Processor Subsystem	3838A			228
	3848 Cryptographic Unit	3848A			229
	3850 Mass Storage Subsystem	3850A	3851A		229
	3851 Mass Storage Control Unit	3851A	3850A		229
	3880 Disk Storage Control	3880A			230
	3881 Optical Mark Reader	3881A			231
	3886 Optical Character Reader	3886A			231
	3890 Document Processor	3890A			232
	3895 Document Reader/Inscriber	3895A			232
	3945 Terminal, Model 13	3945A		Term 1	233
	3968 Terminal Controller	N/O	N/O		235
	43XX Processor (NST - New Systems Test)	4300A	N/O		
	4950 SERIES/1 - System/370 Channel Attachment	4950A	N/O		235
	5010 System/7 CPU, S/M System/370 Chan Attachment	5010A		Note E	236
	5098 Sensor Based Control Unit	5098A			237
	5425 Reader			Note G	
	5682 303X Director Chan LOA	5682A	N/O		238
	5985 Color Display Unit (Local)	5985A			239
	5985 Color Display Unit (Remote)	5985B			240
	7412 Console Printer	2150A			67
*	7443 303X Console Service Record File (SRF)	N/O			242
	7770 Audio Response Unit	7770A			242
	8809 Magnetic Tape	N/O	N/O		244
*	908X Processor (New Systems Test-2)	3080A			

Table 1. System/370 Attachable Unit/OLT Support Reference (Part 6 of 6 - RPQ Data)

ATTACHABLE UNIT AND DESCRIPTION	DEVICE OLT TO ORDER	SUPPORT OLT TO ORDER	COMMENT	CDS LAYOUT PAGE
AA1921 RPQ for 2701 IBM Type II	AA1921			245
AA4027 RPQ for 2703 TTY I	AA4027			246
AA4142 RPQ for 2703 TTY II	AA4142	2703H		248
A04252 RPQ for 2703 TTY I	A04252	2703H		251
E43067 RPQ for 2703 8A1	E43067			252
E51781 RPQ for 2703 TTY I	E51781	2703H		254
E53474 RPQ for 2702 TTY II	E53474	2702H		256
E54838 RPQ for 2702 TTY I	E54838			258
E54838 RPQ for 2702 TTY II	E54838			258
E57294/EB6324 RPQs for 2703 TTY I	E57294			262
E61988 RPQ for 2703 TTY II	E61988	2703H		264
E62376 RPQ for 2703 TTY II	E62376	2703H		266
E62920 RPQ for 2702 TTY II	E62920			268
E64636 RPQ for 2703 TTY II	E64636	2703H		271
E66707 RPQ for 2703 TTY II	E66707	2703H		272
FA1354 RPQ for 2703 TTY I	FA1354	2703D		274
FA3333 RPQ for 2701 PDA	FA3333			277
F16124 RPQ for 2701 RPQ ASCII Autodin Adapter	F16124			278
F30655 RPQ for 2701 RPQ Adapter	F30655			279
M24802 RPQ for 2701 RPQ IPCA	M24802			281
M27370 RPQ for 2702 TTY II (8A1)	M27370			283
M44331 RPQ for 2701 RPQ Adapter	M44331			285
M63836 RPQ for 2701 SDLC Data Adapter	M63836	2701A		
U13500 RPQ for 1270 Optical Character Reader	U13500			286
U21132 RPQ for 1255 Magnetic Character Reader	U21132			287
U27310 RPQ for 2703 IBM I	U27310			288
U28612 RPQ for 2703 IBM I	U28612	2703H		290
U49493 RPQ for 2702 WTC TTY Adapter	U49493	2702A		293
W25206 RPQ for 2701 Parallel Data Adapter (PDA)	W25206			294
Y12168/Y91070 RPQs for 2501 Card Reader (WTC)	Y12168			77
Y49015 RPQ for 3968 Terminal Controller (WTC)	Y49015			235
7U0010 RPQ for 3270 Local (WTC only)	7U0010	3270A		
7U0010 RPQ for 3270 Remote (WTC only)	7U0010	3270B		
8K0438 RPQ (Domestic only) for 3270 Signature Display Feature. (See Card Col. 64 on listed page.)	8K0438			153
8K0498 RPQ for 3270 9600 BAUD	8K0498	3270A/C		
8T0093 RPQ for 3270 Local	8T0093	3270A		
8T0093 RPQ for 3270 Remote	8T0093	3270B		
841213/841217 RPQs for 2501 Card Reader	841217			77
851083 RPQ for 2703 BSA	851083	2703H		296
852078 RPQ for 2703 TTY II	852078	2703H		297
857183/M25697 RPQs for 2701 IPCA	857183			300
858009 RPQ for 2701 Adapters	858009			302
858297/858298 RPQs for 2701 RPQ Adapter	858297			303
858492 RPQ for 2701 IBM Type I	858492			304
870043 RPQ for 3420 Magnetic Tape	870043			179
870053 RPQ for 3420 Magnetic Tape	870053			179
870060 RPQ for 3420 Magnetic Tape, WE1152	870060			179
880701 RPQ for 2701/1627 Plotter	880701			306

NOTES:

- TERM 1 Defines documentation under device OLT to order for remote terminals. See TERM 3 below.
- TERM 2 Defines documentation under support OLT to order for remote terminals.
- TERM 3 Remote terminals to be tested online via a 3704/3705 with NCP require the appropriate 3704/3705 NCP, ONLINE TERMINAL TESTS.
- N/O Indicates no OLT available. Blank means OLT planned but not yet identified.
- NOTE A Friend supports all commands for files, drums and 2400 tape drives, except, on 3420 and 3410, commands not used on 2400 tape units. Limited channel programs can be constructed for Teleprocessing systems, printers, card readers, and punches.
- * NOTE C OLT ordering ID for 3830 Model 1 Storage Control is 3830A; for Model 2, 3830D. OLT ordering ID for ISC Control Store extension is 3830D. For integrated file adapter, order 3330B, No 3830 OLTs required.
- NOTE D For World Trade use only.
- NOTE E 5010A also supports System/7, System 370/360 channel attachment. System/7 control program is contained with module T5010B and is transmitted to System/7 via an EIPL write.

Part numbers for program 1722 resident in System/7 as backup in case of EIPL write failure:

DESCRIPTION - - - - - 2702325
LISTING - - - - - 2702326
CASSETTE - - - - - 2702331
- NOTE F The 3767 Communication Terminal is a direct replacement for the 2740 or 2741 terminals as outlined in the CDS layout. Order the OLT for the applicable configuration (ref: TERM 3).
- NOTE G There is no OLT for these control devices. For CDS class and type, refer to Section 6 for BC mode or Section 5 for EC mode, Table 1 in the OLTSEP User's Guide.
- NOTE H The 3344 is attached to the 3340AZ. Use 3340 OLTs to test the 3344.

TABLE 2. SYSTEMS FUNCTIONING IN A SYSTEM/370 COMMUNICATIONS NETWORK AS PROCESSOR TERMINAL

SYSTEM	PROCESSOR-CONTROLLER	SYSTEM/370 OLT	PROCESSOR-TERMINAL PROGRAM	COMMENTS
1130 System	1130	3700A	0316	Note 2
1130 System	1130	3700A	0317	Note 3
1800 System	1826	3700A	80D	Note 4
Model 20	2020	3700A	2153	Note 5
Model 25	2025	3700A	ED90	Note 10
Model 25	2025	3700A	ED91	Note 11
Model 115,125,135 ICA's	31X5	3700A	3700A	
System/7	5010-ACCA	2740A (Note 6)	0762/0764	Note 7
System/7	5010-ACCA	2740A (Note 6)	172E	Note 12
System/7	5010-BSCA	3700A	0791	Note 13
System/7	5010-SBCA	5098A	171C	Note 14
System/7	5010-Chan Att	5010A	1722	Note 1
System/7	5013-TPMF	3700A	1705 (Sync)	Note 15
System/7	5013-TPMF	2740A (Note 6)	1703 (Assync)	Note 16
System/7	5098-N01	3700A	1705 (Sync)	Note 15
System/7	5098-N01	2740A (Note 6)	1703 (Assync)	Note 16
System/7	5098-N03	3700A	170A	Note 17
System/3	5410	3700A	809	Note 8
System/3	5410	3700A	80A	Note 9
System/360-System/370	System/360	3700A	ED90	Note 10
System/360-System/370	System/360	3700A	ED91	Note 11
System/370-System/370	System/370	3700A	3700A	
System/32	System/32	3700A	BSCA	
3741 Term	3741	3700A		

NOTES:

Note 1 5010A also supports System/7, System 370/360 channel attachment. System/7 control program is contained within module T5010B and is transmitted to System/7 via an EIPL write.

Part numbers for program 1722 resident in System/7 as backup in case of EIPL write failure:

DESCRIPTION - - - - - 2702325 DECK - - - - - 2702327
 LISTING - - - - - 2702326
 CASSETTE - - - - - 2702331

Note 2 Part numbers for program 0316 resident in 1130 system with 8K-byte storage:

LISTING - - - - - 2243977
 DECK OR PAPER TAPE- - 2243978
 DESCRIPTION - - - - - 2243979

Note 3 Part numbers for program 0317 resident in 1130 system with 4K-byte storage:

LISTING - - - - - 2243971
 DECK OR PAPER TAPE- - 2243972
 DESCRIPTION - - - - - 2243973

Note 4 Part numbers for program 80D resident in 1800 system:

LISTING - - - - - 2279480
 DECK- - - - - 2279481
 DESCRIPTION - - - - - 2279482

Note 5 Part numbers for program 2153 resident in Model 20, Submodels 2, 4, and 5:

LISTING - - - - - 4035978
DECK- - - - - 4035979
DESCRIPTION - - - - - 4035977

Note 6 From OLT 2740A, use test section T2740BA, routine number 7 (echo test).

Note 7 Use program 0762 to OLT(S)EP.

Use program 0764 to TOLTEP.

Part numbers for program 0762 resident in System/7:

DESCRIPTION - - - - - 5888052
LISTING - - - - - 5888053
CASSETTE- - - - - 1631904

Part numbers for program 0764 resident in System/7:

DESCRIPTION - - - - - 5888056
LISTING - - - - - 5888057
CASSETTE- - - - - 1631904

Note 8 Part numbers for program 809 resident in System/3 Model 10:

LISTING - - - - - 2589716
DECK- - - - - 2589715
DESCRIPTION - - - - - 2589700

Note 9 Part numbers for program 80A resident in System/3 Model 10:

LISTING - - - - - 2589718
DECK- - - - - 2589717
DESCRIPTION - - - - - 2589700

Note 10 Part numbers for program ED90 resident in processor terminal:

LISTING - - - - - 5172792
DECK- - - - - 5172793
DESCRIPTION - - - - - 5172791

Note 11 Part numbers for program ED91 resident in processor terminal:

LISTING - - - - - 5172794
DECK- - - - - 5172795
DESCRIPTION - - - - - 5172791

Note 12 Part numbers for program 172E resident in System/7:

DESCRIPTION - - - - - 2702286
LISTING - - - - - 2702287
CASSETTE- - - - - 2700759

Note 13 Part numbers for program 0791 resident in System/7:

DESCRIPTION - - - - - 5131259
LISTING - - - - - 5131260
CASSETTE- - - - - 1631904

Note 14 Part numbers for program 171C resident in System/7:

DESCRIPTION - - - - - 2702206
LISTING - - - - - 2702207
CASSETTE- - - - - 2699851

Note 15 Part numbers for program 1705 resident in System/7:

DESCRIPTION - - - - - 2702504
LISTING - - - - - 2702505
CASSETTE- - - - - 2699592 (5098-N01) or 2702553 (5013-TPMF)

Note 16 Part numbers for program 1703 resident in System/7:

DESCRIPTION - - - - - 2702226
LISTING - - - - - 2702227
CASSETTE- - - - - 2699592 (5098-N01) or 2702553 (5013-TPMF)

Note 17 Part numbers for program 170A resident in System/7:

DESCRIPTION - - - - - 2702238
LISTING - - - - - 2702239
CASSETTE- - - - - 2699593

Note 18 OLTSEPCO (OLTSEP-Card Only): for small systems with card readers only. Order the OLTSEPCO package from PID. The package contains card decks consisting of the OLTSEPCO executive program, the 1287 OLTs, READD for the Model 5 Card Reader, the 3811 OLTs, and instructions and a User's Guide. The OLTSEPCO order is placed using the Diagnostic Order Calculator (DOC).

Note 19 WINSEPCO: for small systems with 3340 Disk Drives only. WINSEPCO can be ordered from PID on either 80- or 96-column cards. The package consists of the 3340 executive program, 3340 OLTs, and OLTSEP FRIEND (T0200A), along with the WINSEPCO User's Guide. The WINSEPCO order is placed using the Diagnostic Order Calculator (DOC).

>> CDS CARD LAYOUTS

* >> OLTSEP CONTROL DEVICES: PRINTER OR CONSOLE.

* Refer to OLTSEP User's Guide (D99-SEPEC-xx) for detailed information. CDS cards must be provided for the printer and console CDS entries.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																																				
0-3	10-17	Device address right justified. Leading zeros can be omitted.																																				
4-5	18-21	Model and feature codes. Enter model and feature codes as defined in the respective device CDS layout. Leave Blank if no model and feature code apply or if no individual device CDS exists for this machine type																																				
6-7	22-25	Class and type codes. Select one of the following: NOTE: For Console Devices supported, see next page. Printer devices supported, for printer CDS card:																																				
		<table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr><td>0808</td><td>1403 Printer</td></tr> <tr><td>0808</td><td>1404 Printer</td></tr> <tr><td>0809</td><td>3800 Printing Subsystem Models 1,2,3 and 8</td></tr> <tr><td>080A</td><td>1443 Printer</td></tr> <tr><td>080C</td><td>3811/3211 Printer Stage 1</td></tr> <tr><td>080E</td><td>3811/3211 Printer Stage 2</td></tr> <tr><td>0849</td><td>3203 Printer - System/370 Models 115 and 125</td></tr> <tr><td>0849</td><td>5203 Printer - System/370 Model 115</td></tr> <tr><td>0850</td><td>3203-4 Printer-System/370 Models 138 and 148</td></tr> <tr><td>0850</td><td>3203-5 Printer</td></tr> <tr><td>0850</td><td>3262</td></tr> <tr><td>0850</td><td>3289 Attached to 4300 Processor Display/Printer Adapter</td></tr> <tr><td>8001</td><td>2400 Magnetic Tape</td></tr> <tr><td>8004</td><td>3420 Magnetic Tape</td></tr> <tr><td>8005</td><td>3410 Magnetic Tape</td></tr> <tr><td>8006</td><td>8809 Magnetic Tape</td></tr> <tr><td>8007</td><td>3430 Magnetic Tape</td></tr> </tbody> </table>	HEX ENTRY		0808	1403 Printer	0808	1404 Printer	0809	3800 Printing Subsystem Models 1,2,3 and 8	080A	1443 Printer	080C	3811/3211 Printer Stage 1	080E	3811/3211 Printer Stage 2	0849	3203 Printer - System/370 Models 115 and 125	0849	5203 Printer - System/370 Model 115	0850	3203-4 Printer-System/370 Models 138 and 148	0850	3203-5 Printer	0850	3262	0850	3289 Attached to 4300 Processor Display/Printer Adapter	8001	2400 Magnetic Tape	8004	3420 Magnetic Tape	8005	3410 Magnetic Tape	8006	8809 Magnetic Tape	8007	3430 Magnetic Tape
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-----CDS CONTINUED ON NEXT PAGE-----

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
6-7	22-25	Class and type codes (Continued) Console devices supported, for console CDS card. NOTE: All printer devices supported are also applicable.	
		HEX ENTRY	
		0820	1052, 3115/3125 with 5213 in 1052 compatibility mode.
		0833	3210 Console Printer
		0834	3215 Console Printer
		0834	3138, 3148, 3158, 43XX Console/Printer (running in Printer-Keyboard mode)
		1002	2250 Display (see NOTE)
		1002	3060 Display Console for System/360 Model 195 (see NOTE)
		1003	2260 Display (see NOTE)
		1007	3066 Display Console for System/370 Model 165 and 168 or for System/360 Model 85 with feature 5450 (see NOTE)
		1008	3277/3278 Model 2 Display for System/370 Models 138, 148, or 158 (running in display mode).
		1008	3036 Display Console for 303X and all channel attached 327X.
		1009	Standard Video Display/Keyboard Console for System/370 Models 115, 125, 138, and 148 (see note) 138, 148 must be in 125 Disp mode.
		100B	3278-2A 43XX, 308X or 908X Operator Console.
		100B	3279-2C 43XX, 308X or 908X Operator Console.
		NOTE: Before using 2250, 2260, 3060, or 3066 as a console device, read "CDS Information" in OLTSEP User's Guide (D99-SEPEC).	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Hex values with an asterisk (*) are mandatory:	
		CARD COLUMN	HEX ENTRY
		30	None applicable; leave column blank. This CDS entry is defined by a symbolic name in columns 36-43.
		31	
A-B	32-35	Nothing defined; leave columns blank.	
C-F	36-43	Symbolic name field. Select one of the following: Enter OLSEPCON for the console CDS entry; enter OLSEPPRT for the printer CDS entry; The last character of the symbolic name should be a unique identifier for the Multiple Control Device CDS feature. See OLTSEP User's Guide D99-SEPEC-XX.	
	44	Enter a slash (/) to indicate end of CDS entry.	

* >> SYSTEM/360 CPUS

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	8 CPUCDS00												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																																																				
0-1	10-13	<p>Feature code. If none apply leave card column(s) blank. An asterisk indicates a standard feature.</p> <table border="1"> <thead> <tr> <th>COLUMN</th> <th>HEX ENTRY</th> <th></th> <th>System/360 Models:</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>8</td> <td>Interval Timer Feature Installed - - -</td> <td>1</td> </tr> <tr> <td></td> <td>4</td> <td>High Res. Timer Feature Installed- - -</td> <td>2 2 3 4 4 5 6 6 7 8 9 9</td> </tr> <tr> <td></td> <td>2</td> <td>Dec. Arithmetic Feature Installed - - *</td> <td>2 5 0 0 4 0 5 7 5 5 1 5</td> </tr> <tr> <td></td> <td>1</td> <td>Store Protection Feature Installed - -</td> <td></td> </tr> <tr> <td>11</td> <td>8</td> <td>Fetch Protection Feature Installed - -</td> <td></td> </tr> <tr> <td></td> <td>4</td> <td>Direct Control Feature Installed - - -</td> <td></td> </tr> <tr> <td></td> <td>2</td> <td>Fl. Point Rounding Feature Installed -</td> <td></td> </tr> <tr> <td></td> <td>1</td> <td>Time-of-Day Clock Feature Installed- -</td> <td></td> </tr> <tr> <td>12</td> <td>8</td> <td>Ext Prec Fl. Point Feature Installed -</td> <td></td> </tr> <tr> <td></td> <td>4</td> <td>Floating Point Feature Installed - - -</td> <td></td> </tr> <tr> <td></td> <td>2</td> <td>Accelerator Feature Installed- - - -</td> <td></td> </tr> <tr> <td>13</td> <td></td> <td>Nothing defined; leave blank.</td> <td></td> </tr> </tbody> </table>	COLUMN	HEX ENTRY		System/360 Models:	10	8	Interval Timer Feature Installed - - -	1		4	High Res. Timer Feature Installed- - -	2 2 3 4 4 5 6 6 7 8 9 9		2	Dec. Arithmetic Feature Installed - - *	2 5 0 0 4 0 5 7 5 5 1 5		1	Store Protection Feature Installed - -		11	8	Fetch Protection Feature Installed - -			4	Direct Control Feature Installed - - -			2	Fl. Point Rounding Feature Installed -			1	Time-of-Day Clock Feature Installed- -		12	8	Ext Prec Fl. Point Feature Installed -			4	Floating Point Feature Installed - - -			2	Accelerator Feature Installed- - - -		13		Nothing defined; leave blank.	
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13		Nothing defined; leave blank.																																																				
2-3	14-17	<p>CPU Model Number. Enter one of the following:</p> <p>2022 for System/360 Model 22 2025 for System/360 Model 25 2030 for System/360 Model 30 2040 for System/360 Model 40 2044 for System/360 Model 44 2050 for System/360 Model 50 2065 for System/360 Model 65 2067 for System/360 Model 67 2075 for System/360 Model 75 2085 for System/360 Model 85 2091 for System/360 Model 91 3195 for System/360 Model 195</p>																																																				
4-7	18-25	<p>BCT count in hexadecimal for 1-second delay. Enter the respective count for specified CPU model.</p> <p>0000D900 for System/360 Model 22 0000736E for System/360 Model 25 0000D903 for System/360 Model 30 with 1.5-microsecond main storage 0000A2E6 for System/360 Model 30 with 2.0-microsecond main storage 00016F80 for System/360 Model 40 00100000 for System/360 Model 44 00045D0B for System/360 Model 50 000F464D for System/360 Models 65 and 67 000FAC00 for System/360 Model 75 003BA000 for System/360 Model 85 0040A39D for System/360 Model 91 00451A11 for System/360 Model 195</p>																																																				

---CDS CONTINUED ON NEXT PAGE---

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
8	26-29	Columns not used; leave card columns blank.	
9	30-31	Flags code. Hex values with an asterisk (*) are mandatory:	
		CARD COLUMN	HEX ENTRY
		30	None defined; leave column blank.
		31	*8 CPU CDS entry defined by symbolic name in columns 36-43.
A-B	32-35	Nothing defined; leave columns blank.	
C-F	36-43	Symbolic name field. Enter: CPU CDS00	
10-11	44-47	Channel map (Channel 0). If not installed, leave columns blank.	
		CARD COLUMN	HEX ENTRY
		44	8 Channel is installed. 4 Above channel is Selector type. (NOT a BYTE Multiplexor type)
		45	Nothing defined; leave column blank.
		46	Nothing defined; leave column blank.
		47	Nothing defined; leave column blank.
12-13	48-51	Channel map (Channel 1). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
14-15	52-55	Channel map (Channel 2). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
16-17	56-59	Channel map (Channel 3). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
18-19	60-63	Channel map (Channel 4). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
1A-1B	64-67	Channel map (Channel 5). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
1C-1D	68-71	Channel map (Channel 6). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
		NOTE: Enter a slash (/) in the column immediately following the last channel map entry (i.e., column 48, 52, 56, 60, 64, or 68; with channel 7 map, entry in column 16 of continuation card).	

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																
		00157000 for System/370 Model 155 (Buffer Enabled) 00109000 for System/370 Model 155-II (Buffer Enabled) 0003C851 for System/370 Model 155-II WTC (Japan only) 00160B00 for System/370 Model 158, 158-III (Buff Enbl'd) 00077000 for System/370 Model 158-II WTC (Japan only) 002FAF08 for System/370 Model 165 (Buffer Enabled) 00054D60 for System/370 Model 165 (Buffer Disabled/ Four-Way Interleave) 000833C0 for System/370 Model 165 (Buffer Disabled with Serial Address) 002A0400 for System/370 Model 168 (Buffer Enabled) 000A6660 for System/370 Model 168 (Buffer Disabled/ Four-Way Interleave) 00119900 for System/370 Model 168 (Buffer Disabled with Serial Address)																
8	26-29	Columns not used; leave column blank.																
9	30-31	Flags code. Hex values with an asterisk (*) are mandatory. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td>None applicable; leave column blank.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>CPU CDS entry defined by symbolic name in columns 36-43.</td> </tr> </tbody> </table>		CARD COLUMN	HEX ENTRY		30		None applicable; leave column blank.	31	*8	CPU CDS entry defined by symbolic name in columns 36-43.						
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A-B	32-35	Nothing defined; leave columns blank.																
C-F	36-43	Symbolic name field. Enter: CPUCDS00 The last character of the symbolic name should be a unique identifier for the Multiple Control Device CDS feature. See OLTSEP User's Guide, D99-SEPEC-XX.																
10-11	44-47	Channel map (Channel 0). If not installed, leave columns blank. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>44</td> <td>8 4</td> <td>Channel is installed. Above channel is Selector or Block Multiplexor type. (NOT a BYTE Multipexor type)</td> </tr> <tr> <td>45</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>46</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>47</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>		CARD COLUMN	HEX ENTRY		44	8 4	Channel is installed. Above channel is Selector or Block Multiplexor type. (NOT a BYTE Multipexor type)	45		Nothing defined; leave column blank.	46		Nothing defined; leave column blank.	47		Nothing defined; leave column blank.
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-----CDS CONTINUED ON NEXT PAGE-----

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
12-13	48-51	Channel map (Channel 1). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.
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*		NOTE: Enter a slash (/) in the column immediately following the last channel map entry (i.e., column 48, 52, 56, 60, 64, or 68; with channel 7 map, entry in column 16 of continuation card).

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
8	26-29	Columns not used; leave column blank.	
9	30-31	Flags code. Hex values with an asterisk (*) are mandatory.	
		CARD COLUMN	HEX ENTRY
		30	
		31	*8
		None applicable; leave column blank. CPU CDS entry defined by symbolic name in columns 36-43.	
A-B	32-35	Nothing defined; leave columns blank.	
C-F	36-43	Symbolic name field. Enter: CPUCDS00 The last character of the symbolic name should be a unique identifier for the Multiple Control Device CDS feature. See OLTSEP User's Guide, D99-SEPEC-XX.	
10-11	44-47	Channel map (Channel 0). If not installed, leave columns blank.	
		CARD COLUMN	HEX ENTRY
		44	8
			4
		Channel is installed. Above channel is Selector or Block Multiplexor type. (NOT a BYTE Multiplexor type)	
		45	
		46	
		47	
		Nothing defined; leave column blank.	
12-13	48-51	Channel map (Channel 1). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
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		NOTE: Enter a slash (/) in the column immediately following the last channel map entry (i.e., column 48, 52, 56, 60, 64, or 68; with channel 7 map, entry in column 16 of continuation card).	

* >> 308X PROCESSORS + 908X PROCESSORS

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
ENTRY																	8	CPUCDS00												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-1	10-13	Feature code. If none apply, leave card column(s) blank. An asterisk (*) indicates a standard feature.	
		308X + 908X PROCESSORS	
			3 9
			0 0
			8 8
			X X
		* Standard Feature	X X
		0 Optional Feature	
		N Does Not Apply	
		COLUMN HEX ENTRY	
		10 8	Interval timer feat. installed- - - - - * *
		4 4	High resolution timer feat. installed - - * *
		2 2	Decimal arithmetic feat. installed- - - * *
		1 1	Store protection feat. installed- - - - - * *
		11 8	Fetch protection feat. installed- - - - - * *
		4 4	Direct control feat. installed- - - - - N N
		2 2	Floating Point rounding feat. installed - * *
		1 1	Time-of-day clock feat. installed - - - - * *
		12 8	Extended Prec. Fl. Point feat. installed- * *
		4 4	Floating Point feat. installed- - - - - * *
		2 2	Accelerator feat. installed - - - - - N N
		1 1	Reserved
		13	Nothing defined; leave column blank.
2-3	14-17	CPU model number.	
		3081 for 3081 processor	
		3083 for 3083 processor	
		3084 for 3084 processor	
		9081 for 9081 processor	
		9083 for 9083 processor	
4-7	18-25	BCT count in hexadecimal for 1-second delay.	
		00756013 for 3081 Model D	
		00756013 for 3081 Model G	
		0092B819 for 3081 Model K	
		00756013 for 3083 Model B	
		00413560 for 3083 Model E	
		0092B819 for 3083 Model J	
		0092B819 for 3084 Model Q	
		00989680 for 9081	
		00989680 for 9083	

CDS CONTINUED ON NEXT PAGE

		CDS FILE CONTINUED	
CDS CORE BYTE	CARD COLUMN		
8	26-29	Columns not used; leave column blank.	
9	30-31	Flags code. Hex values with an asterisk (*) are mandatory.	
		CARD COLUMN	HEX ENTRY
		30	
		31	*8
		None applicable; leave column blank. CPU CDS entry defined by symbolic name in columns 36-43.	
A-B	32-35	Nothing defined; leave columns blank.	
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10-11	44-47	Channel map (Channel 0). If not installed, leave columns blank.	
		CARD COLUMN	HEX ENTRY
		44	8 4
		Channel is installed. Above channel is Selector or Block Multiplexor type. (NOT a BYTE Multiplexor type)	
		45	Nothing defined; leave column blank.
		46	Nothing defined; leave column blank.
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16-17	56-59	Channel map (Channel 3). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
18-19	60-63	Channel map (Channel 4). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
1A-1B	64-67	Channel map (Channel 5). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
1C-1D	68-71	Channel map (Channel 6). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
		NOTE: Enter a slash (/) in the column immediately following the last channel map entry (i.e., column 48, 52, 56, 60, 64, or 68; with channel 7 map, entry in column 16 of continuation card). The maximum number of channel entries is 16.	

* >> 4321/4331/4341 PROCESSORS

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																																																										
0-1	10-13	<p>Feature code. If none apply, leave card column(s) blank. An asterisk (*) indicates a standard feature.</p> <table style="margin-left: 200px;"> <tr> <td>System Models:</td> <td>4</td><td>4</td><td>4</td> </tr> <tr> <td></td> <td>3</td><td>3</td><td>3</td> </tr> <tr> <td></td> <td>2</td><td>3</td><td>4</td> </tr> <tr> <td></td> <td>1</td><td>1</td><td>1</td> </tr> </table> <table border="1" style="margin-left: 200px;"> <thead> <tr> <th>COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>10</td> <td>8</td> <td>Interval timer feat. installed- - - - - * * *</td> </tr> <tr> <td></td> <td>4</td> <td>High resolution timer feat. installed- - - - - * * *</td> </tr> <tr> <td></td> <td>2</td> <td>Decimal arithmetic feat. installed- - - - - * * *</td> </tr> <tr> <td></td> <td>1</td> <td>Store protection feat. installed- - - - - * * *</td> </tr> <tr> <td>11</td> <td>8</td> <td>Fetch protection feat. installed- - - - - * * *</td> </tr> <tr> <td></td> <td>4</td> <td>Direct control feat. installed- - - - -</td> </tr> <tr> <td></td> <td>2</td> <td>Floating Point rounding feat. installed- - - - - *</td> </tr> <tr> <td></td> <td>1</td> <td>Time-of-day clock feat. installed- - - - - * * *</td> </tr> <tr> <td>12</td> <td>8</td> <td>Extended Prec. Fl. Point feat. installed- * * *</td> </tr> <tr> <td></td> <td>4</td> <td>Floating Point feat. installed- - - - - * * *</td> </tr> <tr> <td></td> <td>2</td> <td>Accelerator feat. installed- - - - -</td> </tr> <tr> <td></td> <td>1</td> <td>Reserved</td> </tr> <tr> <td>13</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	System Models:	4	4	4		3	3	3		2	3	4		1	1	1	COLUMN	HEX ENTRY		10	8	Interval timer feat. installed- - - - - * * *		4	High resolution timer feat. installed- - - - - * * *		2	Decimal arithmetic feat. installed- - - - - * * *		1	Store protection feat. installed- - - - - * * *	11	8	Fetch protection feat. installed- - - - - * * *		4	Direct control feat. installed- - - - -		2	Floating Point rounding feat. installed- - - - - *		1	Time-of-day clock feat. installed- - - - - * * *	12	8	Extended Prec. Fl. Point feat. installed- * * *		4	Floating Point feat. installed- - - - - * * *		2	Accelerator feat. installed- - - - -		1	Reserved	13		Nothing defined; leave column blank.
System Models:	4	4	4																																																									
	3	3	3																																																									
	2	3	4																																																									
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	1	Reserved																																																										
13		Nothing defined; leave column blank.																																																										
2-3	14-17	<p>CPU model number. Enter one of the following as appropriate:</p> <p style="margin-left: 40px;">4321 for 4321 System 4331 for 4331 System Model Groups 1 and 2 4331 for 4331 System Model 11 4341 for 4341 System Model Groups 1 and 2 4341 for 4341 System Models 9, 10, 11 and 12</p>																																																										
4-7	18-25	<p>BCT count in hexadecimal for 1-second delay. Enter the respective count for specified CPU model:</p> <p style="margin-left: 40px;">00041EB0 for 4321 00041EB0 for 4331 System Model Group 1 000CB735 for 4331 System Model Group 2 000CB735 for 4331 System Model 11 0010F447 for 4341 System Model Group 1 001FCA05 for 4341 System Model Group 2 0010F447 for 4341 System Model 9 0010F447 for 4341 System Model 10 00153159 for 4341 System Model 11 00212BD9 for 4341 System Model 12</p>																																																										
8	26-29	Columns not used; leave column blank.																																																										
9	30-31	<p>Flags code. Hex values with an asterisk (*) are mandatory.</p> <table border="1" style="margin-left: 200px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td>None applicable; leave column blank.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>CPU CDS entry defined by symbolic name in columns 36-43.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		None applicable; leave column blank.	31	*8	CPU CDS entry defined by symbolic name in columns 36-43.																																																	
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CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED

CDS CORE BYTE	CARD COLUMN		
A-B	32-35	Nothing defined; leave columns blank.	
C-F	36-43	Symbolic name field. Enter: CPUCDS00 The last character of the symbolic name should be a unique identifier for the Multiple Control Device CDS feature. See OLTSEP USER'S GUIDE, D99-SEPEC-XX.	
* 10-11	44-47	Channel map (Channel 0). If not installed, leave columns blank.	
		CARD COLUMN	HEX ENTRY
* 44	8	Channel is installed.	
	4	Above channel is Selector or Block Multiplexor type. (NOT a BYTE Multiplexor type)	
45		Nothing defined; leave column blank.	
46		Nothing defined; leave column blank.	
47		Nothing defined; leave column blank.	
* 12-13	48-51	Channel map (Channel 1). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
* 14-15	52-55	Channel map (Channel 2). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
* 16-17	56-59	Channel map (Channel 3). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
* 18-19	60-63	Channel map (Channel 4). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
* 1A-1B	64-67	Channel map (Channel 5). Repeat data as in columns 44-47 if channel is installed, otherwise leave columns blank.	
		NOTE: Enter a slash (/) in the column immediately following the last channel map entry (i.e., column 52, 56, 60, 64 or 68.)	

>> 1012 PAPER TAPE PUNCH WITH READ FEATURE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		
ENTRY			0812		/																									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE				
0-3	10-17	Device address right justified. Leading zeros can be omitted.				
4	18-19	Model code. If none apply, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <tr> <td>HEX</td> <td></td> </tr> <tr> <td>ENTRY</td> <td>01 1012 Paper Tape Punch only.</td> </tr> </table>	HEX		ENTRY	01 1012 Paper Tape Punch only.
HEX						
ENTRY	01 1012 Paper Tape Punch only.					
5	20-21	Feature code. None defined; leave columns blank.				
6-7	22-25	Enter class and type code defined for the 1012: 0812.				
8	26-29	Columns not used; leave blank.				
9	30-31	Flags code. None applicable; leave columns blank.				
	32	Enter a slash (/) to indicate end of CDS entry.				

>> 1017 PAPER TAPE READER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		
ENTRY			0831		/																									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE						
0-3	10-17	Device address right justified. Leading zeros can be omitted.						
4	18-19	Model code. Specify one of the following: 01 - 1017 Model 1 02 - 1017 Model 2						
5	20-21	Feature code. If none apply, leave column(s) blank. <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>20</td> <td></td> </tr> <tr> <td>21</td> <td>1</td> </tr> </table> Nothing defined; leave column 20 blank. Advanced feedhole feature attached.	CARD COLUMN	HEX ENTRY	20		21	1
CARD COLUMN	HEX ENTRY							
20								
21	1							
6-7	22-25	Enter class and type code defined for the 1017: 0831.						
8	26-29	Columns not used; leave blank.						
9	30-31	Flags code. None applicable; leave columns blank.						
A	32	Enter a slash (/) to indicate end of CDS entry.						

>> 1018 PAPER TAPE PUNCH

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	8	3	2	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. None defined; leave columns blank.									
5	20-21	Feature code. If none apply, leave column(s) blank.									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>21</td> <td>1</td> <td>Error correction feature installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20		Nothing defined; leave column blank.	21	1	Error correction feature installed.
CARD COLUMN	HEX ENTRY										
20		Nothing defined; leave column blank.									
21	1	Error correction feature installed.									
6-7	22-25	Enter class and type code defined for the 1018: 0832.									
8	26-29	Columns not used; leave columns blank.									
	32	Enter a slash (/) to indicate end of CDS entry.									

>> 1030 DATA COLLECTION SYSTEM

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			4	2	0	1		B		0	4	/	

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4-5	18-21	Model and feature code. Nothing defined; leave columns blank.																		
6-7	22-25	Class and type code defined for 1030: 4201.																		
8	26-29	Columns not used; leave blank.																		
9	30-31	Flags code. Hex values with an asterisk (*) are mandatory: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>4</td> <td>This control unit has a two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic named CDS entry is a FE/customer-assigned name.</td> </tr> <tr> <td></td> <td>*1</td> <td>Terminal requires line connection in Executive activated.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		4	This control unit has a two-channel switch installed.		*2	This symbolic named CDS entry is a FE/customer-assigned name.		*1	Terminal requires line connection in Executive activated.
CARD COLUMN	HEX ENTRY																			
30	4	Device shared with another system.																		
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.																		
	4	This control unit has a two-channel switch installed.																		
	*2	This symbolic named CDS entry is a FE/customer-assigned name.																		
	*1	Terminal requires line connection in Executive activated.																		
A-B	32-35	Nothing defined; leave columns blank.																		
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.																		
*****	*****	Extended fixed area. Required for this remote terminal. See Extended Fixed Area (Section 5) for details.																		
14	44-45	Enter hex 04 for byte count of extended fixed area.																		
15-16	46-49	Extended area flag bits. If none apply, leave columns blank. <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>1</td> <td>Communication link is a nonswitched multidrop line.</td> </tr> <tr> <td>47-49</td> <td></td> <td>None applicable; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	1	Communication link is a nonswitched multidrop line.	47-49		None applicable; leave columns blank.									
CARD COLUMN	HEX ENTRY																			
46	1	Communication link is a nonswitched multidrop line.																		
47-49		None applicable; leave columns blank.																		

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
17	50-51	Line connection command sequence. Enter one of the following:	
		HEX ENTRY	
		01	Terminal is attached to a 2701 or 2703, or 2702 w/o SADX command.
		04	Terminal is attached to a 2702 and requires SADZERO command.
		05	Terminal is attached to a 2702 and requires SADONE command.
		06	Terminal is attached to a 2702 and requires SADTWO command.
		07	Terminal is attached to a 2702 and requires SADTHREE command.
*****	*****	First card column following data entered in extended fixed area:	
18	52-53	Enter the polling character of the transmission code in hex. Example: For "A" enter hex 62 in the card columns.	
	54	Enter a slash (/) to indicate end of CDS entry.	

>> 1050 DATA COMMUNICATION SYSTEM

If the customer is using the Network Control Program (NCP), refer to 3700 CDS to configure for 3700 OLTs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			4	2	0	2		B					

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter 1050 subcomponents attached:	
		CARD COLUMN	HEX ENTRY
		18	8 Printer 1 is attached.
			4 Printer 1 is a 1053, not a 1052.
			2 Printer 2 is attached.
			1 Printer 2 is a 1053, not a 1052.
		19	8 Reader 1 is attached.
			4 Reader 1 is a 1054 paper tape reader, not a 1056 card reader.
			2 Reader 2 is attached.
			1 Reader 2 is a 1054 paper tape reader, not 1056 card reader.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
5	20-21	Feature code. Enter 1050 subcomponents attached:	
		CARD COLUMN	HEX ENTRY
		20	8 4
			Punch 1 is attached. Punch 1 is a 1055 paper tape punch, not a 1057 or 1058 card punch.
			2 1
			Punch 2 is attached. Punch 2 is a 1055 paper tape punch, not a 1057 or 1058 card punch.
		21	8 4 1
			Punch 1 is a 1058, not a 1057. Punch 2 is a 1059, not a 1057. RPQ indicator.
6-7	22-25	Class and type code defined for 1050: 4202.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Hex values with an asterisk (*) are mandatory:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	*8
			4
			*2
			*1
			Terminal shared with another system. This CDS entry is defined by a symbolic name in columns 36-43 This control unit has a two-channel switch installed. This symbolic-named CDS entry is a FE/customer-assigned name. Terminal requires line connection in executive activated.
A-B	32-35	Nothing defined; leave columns blank.	
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.	
14	44-45	Enter the extended fixed area length count in hexadecimal:	
		HEX ENTRY	
		04	
		05+N	
			N=number of dial digits for switched lines. Example: with N=7, columns 44-45 would contain hex 0C (5+7).
15-16	46-49	Extended area flag bits. If none apply, leave columns blank:	
		CARD COLUMN	HEX ENTRY
		46	4 2 1
			Autocall is installed and is to be used in calling terminal. Communication link is a switched line. Communication link is a nonswitched multidrop line.
		47-49	
			None applicable; leave columns blank.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
17	50-51	Line connection command sequence. Enter one of the following:	
		HEX ENTRY	
		01	Terminal is attached to a 2701, 2703, or 2702 without SADX cmd. Communication link is a switched line (auto and manual dial).
		04	Terminal is attached to a 2702 and requires SADZERO command.
		05	Terminal is attached to a 2702 and requires SADONE command.
		06	Terminal is attached to a 2702 and requires SADTWO command.
		07	Terminal is attached to a 2702 and requires SADTHREE command.
*****	*****	Switched Line Entry	
18	52-53	Enter the number of digits in the dial digit field (in hex) when communication link is a switched line (auto or manual dial).	
19	54-53+2N	Enter the dial digits of terminal. Example: For 38153 enter F3F8F1F5F3 or 0308010503 or " 3 8 1 5 3" in columns 54-63. NOTE: N = Number of dial digits. When N=0, this field does not exist.	
	54+2N 55+2N	Enter the polling character of the transmission code in hex form. Example: For 'A', enter 62.	
1A	56+2N 57+2N	Extended feature code.	
		CARD COLUMN	HEX ENTRY
	56+2N	8	Transmit interrupt.
		4	Receive interrupt.
	57+2N	8	Test interrupt from 1052 Printer number 1.
		4	Test interrupt from 1053 Printer number 1.
		2	Test interrupt from 1052 Printer number 2.
		1	Test interrupt from 1053 Printer number 2.
	58+2N	Enter a slash (/) to indicate end of CDS entry.	
*****	*****	Leased Line Entry	
18	52-53	Enter the polling character of the transmission code in hex form. Example For "A", enter 62.	
19	54-55	Extended feature code.	
		CARD COLUMN	HEX ENTRY
	54	8	Transmit interrupt.
		4	Receive interrupt.
	55	8	Test interrupt from 1052 number 1.
		4	Test interrupt from 1053 number 1.
		2	Test interrupt from 1052 number 2.
		1	Test interrupt from 1053 number 2.
	56	Enter a slash (/) to indicate end of CDS entry.	

>> 1052 PRINTER-KEYBOARD, MODEL 7

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	0820 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. Nothing defined; leave columns blank.
6-7	22-25	Class and type code for 1052-7. Enter: 0820.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 1060 DATA COMMUNICATION SYSTEM

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	4203 B												

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4	18-19	Model code. None defined; leave columns blank.																		
5	20-21	Feature code. None defined; leave columns blank.																		
6-7	22-25	Class and type code for 1060. Enter: 4203.																		
8	26-29	Columns not used; leave blank.																		
9	30-31	Flags code. Hex values with an asterisk (*) are mandatory:																		
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Terminal shared with another system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>4</td> <td>This control unit has a two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name.</td> </tr> <tr> <td></td> <td>*1</td> <td>Terminal requires line connection in Executive activated.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Terminal shared with another system.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		4	This control unit has a two-channel switch installed.		*2	This symbolic-named CDS entry is a FE/customer-assigned name.		*1	Terminal requires line connection in Executive activated.
CARD COLUMN	HEX ENTRY																			
30	4	Terminal shared with another system.																		
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.																		
	4	This control unit has a two-channel switch installed.																		
	*2	This symbolic-named CDS entry is a FE/customer-assigned name.																		
	*1	Terminal requires line connection in Executive activated.																		

---CDS CONTINUED ON NEXT PAGE---

CDS FILE CONTINUED														
CDS CORE BYTE	CARD COLUMN													
A-B	32-35	Nothing defined; leave columns blank.												
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.												
*****	*****	Extended fixed area. Required for this remote terminal. See "Extended Fixed Area" (Section 5) for details.												
14	44-45	Enter hex 04 for byte count of extended fixed area.												
15-16	46-49	Extended area flag bits. If none apply, leave columns blank.												
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46 47-49</td> <td>1</td> <td>Communication link is a nonswitched multidrop line. None applicable; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46 47-49	1	Communication link is a nonswitched multidrop line. None applicable; leave columns blank.						
CARD COLUMN	HEX ENTRY													
46 47-49	1	Communication link is a nonswitched multidrop line. None applicable; leave columns blank.												
17	50-51	Line connection command sequence. Enter one of the following:												
		<table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Terminal is attached to a 2701, 2703, or 2702 w/o SADX command.</td> </tr> <tr> <td>04</td> <td>Terminal is attached to a 2702 and requires SADZERO command.</td> </tr> <tr> <td>05</td> <td>Terminal is attached to a 2702 and requires SADONE command.</td> </tr> <tr> <td>06</td> <td>Terminal is attached to a 2702 and requires SADTWO command.</td> </tr> <tr> <td>07</td> <td>Terminal is attached to a 2702 and requires SADTHREE command.</td> </tr> </tbody> </table>	HEX ENTRY		01	Terminal is attached to a 2701, 2703, or 2702 w/o SADX command.	04	Terminal is attached to a 2702 and requires SADZERO command.	05	Terminal is attached to a 2702 and requires SADONE command.	06	Terminal is attached to a 2702 and requires SADTWO command.	07	Terminal is attached to a 2702 and requires SADTHREE command.
HEX ENTRY														
01	Terminal is attached to a 2701, 2703, or 2702 w/o SADX command.													
04	Terminal is attached to a 2702 and requires SADZERO command.													
05	Terminal is attached to a 2702 and requires SADONE command.													
06	Terminal is attached to a 2702 and requires SADTWO command.													
07	Terminal is attached to a 2702 and requires SADTHREE command.													
18	52-53	Enter the number of digits in the dial digit field (in hex) when communication link is a switched line (auto and manual dial).												
19-18+N	54-(53+2N)	Enter the dial digits of the terminal. For example: 38153 would be entered as F3F8F1F5F3 or 0308010503 or ' 3 8 1 5 3' in columns 54-63.												
		NOTE: N = Number of dial digits. When N=0, this field does not exist.												
*****	*****	E1 = First card column following data entered in extended fixed area.												
		NOTE: Without dial digits, E1 = Column 52.												
	E1-E2	Enter the polling character form of the transmission code in hex. Example: For "A" enter hex 62 in the card columns.												
	E3	Enter a slash (/) to indicate end of CDS entry.												

>> 1231 OPTICAL MARK SCORING READER MODEL N1

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		
ENTRY			0819		/																									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. Nothing defined; leave columns blank.
6-7	22-25	Class and type code for 1231-N1. Enter: 0819.
8	26-29	Columns not used; leave blank.
9	30-31	Flag code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 1255 MAGNETIC CHARACTER READER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		
ENTRY			0822		/																									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4	18-19	Model code. None defined; leave columns blank.																		
5	20-21	Feature code. If none apply, leave column(s) blank:																		
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td rowspan="4">Expanded codeline feature (CMC7) installed. 12 pockets.</td> </tr> <tr> <td></td> <td>4</td> </tr> <tr> <td></td> <td>2</td> </tr> <tr> <td></td> <td>1</td> </tr> <tr> <td>21</td> <td></td> <td>750 documents per minute.</td> </tr> <tr> <td></td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	Expanded codeline feature (CMC7) installed. 12 pockets.		4		2		1	21		750 documents per minute.			Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																			
20	8	Expanded codeline feature (CMC7) installed. 12 pockets.																		
	4																			
	2																			
	1																			
21		750 documents per minute.																		
		Nothing defined; leave column blank.																		
6-7	22-25	Class and type code for 1255. Enter: 0822. NOTE 1419 EM. see RPQ421132 and 1255 OLTs manual.																		
8	26-29	Columns not used; leave blank.																		

-----CDS CONTINUED ON NEXT PAGE-----

CDS FILE CONTINUED			
CDS CORE BYTE	CARD COLUMN		
9	30-31	Flags code. If none apply, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30 31	1 This device is associated with external interrupts. None applicable; leave column blank.
A	32-33	Flags code extension. None applicable; leave columns blank.	
B	34-35	External signal mask field. If none, leave columns blank. Enter one of the following if the external interrupt feature is installed as indicated in flags byte:	
		HEX ENTRY	
		01	Enter if device is 1st from CPU along external cable.
		02	Enter if device is 2nd from CPU along external cable.
		04	Enter if device is 3rd from CPU along external cable.
		08	Enter if device is 4th from CPU along external cable.
10	Enter if device is 5th from CPU along external cable.		
20	Enter if device is 6th from CPU along external cable.		
C	36-37	CMC7 for use with 1255 models 21, 22, or 23 (WTC users); enter:	
		CARD COLUMN	HEX ENTRY
		36 37	4 Modulus 10 feature installed. 2 Modulus 11 feature installed.
		Nothing defined; leave column blank.	
D	38-39	Nothing defined; leave columns blank.	
	40	Enter a slash (/) to indicate end of CDS entry.	

>> 1270 OPTICAL CHARACTER READER

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY			0	8	3	0	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined; leave columns blank.															
5	20-21	Feature code. If none apply, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>1</td> <td>B-font feature installed (Models 3 and 4)</td> </tr> <tr> <td>21</td> <td>4</td> <td>Mark read feature installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Alternate sort feature installed (Models 1 and 3).</td> </tr> <tr> <td></td> <td>1</td> <td>12 pocket feature installed (Models 2 and 4).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	1	B-font feature installed (Models 3 and 4)	21	4	Mark read feature installed.		2	Alternate sort feature installed (Models 1 and 3).		1	12 pocket feature installed (Models 2 and 4).
CARD COLUMN	HEX ENTRY																
20	1	B-font feature installed (Models 3 and 4)															
21	4	Mark read feature installed.															
	2	Alternate sort feature installed (Models 1 and 3).															
	1	12 pocket feature installed (Models 2 and 4).															
6-7	22-25	Class and type code for 1270. Enter: 0830.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. If none apply, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>1</td> <td>This device is associated with external interrupts.</td> </tr> <tr> <td>31</td> <td></td> <td>None applicable; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	1	This device is associated with external interrupts.	31		None applicable; leave column blank.						
CARD COLUMN	HEX ENTRY																
30	1	This device is associated with external interrupts.															
31		None applicable; leave column blank.															
A	32-33	Flags code extension. None applicable; leave columns blank.															
B	34-35	External signal mask field. If none, leave columns blank. Enter one of the following if the external interrupt feature is installed as indicated in flags byte: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Enter if device is 1st from CPU along external cable.</td> </tr> <tr> <td>02</td> <td>Enter if device is 2nd from CPU along external cable.</td> </tr> <tr> <td>04</td> <td>Enter if device is 3rd from CPU along external cable.</td> </tr> <tr> <td>08</td> <td>Enter if device is 4th from CPU along external cable.</td> </tr> <tr> <td>10</td> <td>Enter if device is 5th from CPU along external cable.</td> </tr> <tr> <td>20</td> <td>Enter if device is 6th from CPU along external cable.</td> </tr> </tbody> </table>	HEX ENTRY		01	Enter if device is 1st from CPU along external cable.	02	Enter if device is 2nd from CPU along external cable.	04	Enter if device is 3rd from CPU along external cable.	08	Enter if device is 4th from CPU along external cable.	10	Enter if device is 5th from CPU along external cable.	20	Enter if device is 6th from CPU along external cable.	
HEX ENTRY																	
01	Enter if device is 1st from CPU along external cable.																
02	Enter if device is 2nd from CPU along external cable.																
04	Enter if device is 3rd from CPU along external cable.																
08	Enter if device is 4th from CPU along external cable.																
10	Enter if device is 5th from CPU along external cable.																
20	Enter if device is 6th from CPU along external cable.																
	36	Enter a slash (/) to indicate end of CDS entry.															

>> 1275 OPTICAL CHARACTER READER WITH DOS DUAL ADDRESS ADAPTER

Note: The DOS dual address adapter requires two entries: one for the primary adapter; the other, for the secondary adapter.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		
ENTRY						0	8	/																						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code (applicable only to primary control units). If none apply, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	20	4 Programmable pocket light 1 feature installed.
		2 Programmable pocket light 2 feature installed.
		1 B-font feature, 1275 Model 4, installed.
	21	Nothing defined; leave column blank.
6-7	22-25	Class and type codes. Select one of the following:
	HEX ENTRY	
	082B	1275 DOS dual address primary CDS entry.
	082C	1275 DOS dual address secondary CDS entry.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code (applicable only to primary control units). If none apply, leave column(s) blank.
	CARD COLUMN	HEX ENTRY
	30	1 This device is associated with external interrupts.
	31	None applicable; leave column blank.
A	32-33	If this is a secondary CDS entry, enter a slash (/) in column 32 to indicate end-of-CDS-entry, and leave the remaining columns blank. If this is a primary CDS entry, enter the flags code extension. If none are applicable, then leave these columns blank.

---CDS CONTINUED ON NEXT PAGE---

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED														
B	34-35	External signal mask field (applicable only to primary control units). If none, leave columns blank. Enter one of the following if the external interrupt feature is installed as indicated in flags byte: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Enter if device is 1st from CPU along external cable.</td> </tr> <tr> <td>02</td> <td>Enter if device is 2nd from CPU along external cable.</td> </tr> <tr> <td>04</td> <td>Enter if device is 3rd from CPU along external cable.</td> </tr> <tr> <td>08</td> <td>Enter if device is 4rd from CPU along external cable.</td> </tr> <tr> <td>10</td> <td>Enter if device is 5th from CPU along external cable.</td> </tr> <tr> <td>20</td> <td>Enter if device is 6th from CPU along external cable.</td> </tr> </tbody> </table>	HEX ENTRY		01	Enter if device is 1st from CPU along external cable.	02	Enter if device is 2nd from CPU along external cable.	04	Enter if device is 3rd from CPU along external cable.	08	Enter if device is 4rd from CPU along external cable.	10	Enter if device is 5th from CPU along external cable.	20	Enter if device is 6th from CPU along external cable.
HEX ENTRY																
01	Enter if device is 1st from CPU along external cable.															
02	Enter if device is 2nd from CPU along external cable.															
04	Enter if device is 3rd from CPU along external cable.															
08	Enter if device is 4rd from CPU along external cable.															
10	Enter if device is 5th from CPU along external cable.															
20	Enter if device is 6th from CPU along external cable.															
	36	Enter a slash (/) to indicate the end of the primary CDS entry.														

>> 1275 OPTICAL CHARACTER READER WITH OS DUAL ADDRESS ADAPTER

Note: The OS dual address adapter requires two entries: one for the primary adapter; the other, for the secondary adapter.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY			08		/								

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined; leave columns blank.															
5	20-21	Feature code (applicable only to primary control units). If none apply, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>4</td> <td>Programmable pocket light-1 feature installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Programmable pocket light-2 feature installed.</td> </tr> <tr> <td></td> <td>1</td> <td>B-font feature, 1275 Model 4, installed.</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	4	Programmable pocket light-1 feature installed.		2	Programmable pocket light-2 feature installed.		1	B-font feature, 1275 Model 4, installed.	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																
20	4	Programmable pocket light-1 feature installed.															
	2	Programmable pocket light-2 feature installed.															
	1	B-font feature, 1275 Model 4, installed.															
21		Nothing defined; leave column blank.															
6-7	22-25	Class and type codes. Select one of the following: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>081F</td> <td>1275 OS dual address primary CDS entry.</td> </tr> <tr> <td>082A</td> <td>1275 OS dual address secondary CDS entry.</td> </tr> </tbody> </table>	HEX ENTRY		081F	1275 OS dual address primary CDS entry.	082A	1275 OS dual address secondary CDS entry.									
HEX ENTRY																	
081F	1275 OS dual address primary CDS entry.																
082A	1275 OS dual address secondary CDS entry.																

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 1285 OPTICAL READER

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	0	0	8	1	A		/					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. Always 00.									
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank:									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>2</td> <td>National Optical Font installed.</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	2	National Optical Font installed.	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY										
20	2	National Optical Font installed.									
21		Nothing defined; leave column blank.									
6-7	22-25	Class and type code for 1285. Enter: 081A.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank.									
A	32-33	Nothing defined; leave columns blank.									
B	34-35	External signal mask field. Enter as applicable; if none apply, leave column(s) blank.									
	36	Enter a slash (/) to indicate end of CDS entry.									

>> 1287 OPTICAL READER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	081B											/	

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																						
0-3	10-17	Device address right justified. Leading zeros can be omitted.																						
4	18-19	Model code. Specify one of the following: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>1287 Model 1</td> </tr> <tr> <td>01</td> <td>1287 Model 2</td> </tr> <tr> <td>02</td> <td>1287 Model 3</td> </tr> <tr> <td>03</td> <td>1287 Model 4</td> </tr> <tr> <td>04</td> <td>1287 Model 5</td> </tr> </tbody> </table>	HEX ENTRY		00	1287 Model 1	01	1287 Model 2	02	1287 Model 3	03	1287 Model 4	04	1287 Model 5										
HEX ENTRY																								
00	1287 Model 1																							
01	1287 Model 2																							
02	1287 Model 3																							
03	1287 Model 4																							
04	1287 Model 5																							
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="4">20</td> <td>8</td> <td>ANSCS OCR font installed.</td> </tr> <tr> <td>4</td> <td>1428 font installed.</td> </tr> <tr> <td>2</td> <td>National Optical Font installed.</td> </tr> <tr> <td>1</td> <td>7B font installed.</td> </tr> <tr> <td rowspan="3">21</td> <td>8</td> <td>Rejects coded as 7C.</td> </tr> <tr> <td>4</td> <td>Mark read feature.</td> </tr> <tr> <td>2</td> <td>EHW</td> </tr> <tr> <td></td> <td>1</td> <td>NHW</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	ANSCS OCR font installed.	4	1428 font installed.	2	National Optical Font installed.	1	7B font installed.	21	8	Rejects coded as 7C.	4	Mark read feature.	2	EHW		1	NHW
CARD COLUMN	HEX ENTRY																							
20	8	ANSCS OCR font installed.																						
	4	1428 font installed.																						
	2	National Optical Font installed.																						
	1	7B font installed.																						
21	8	Rejects coded as 7C.																						
	4	Mark read feature.																						
	2	EHW																						
	1	NHW																						
6-7	22-25	Class and type code for 1287. Enter: 081B.																						
8	26-29	Columns not used; leave blank.																						
9	30-31	Flags code. None applicable; leave columns blank.																						
A-13	32-51	Nothing defined; leave blank.																						

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
14-15	52-54	Alphameric special characters (Models 3 and 4 only):	
		CARD COLUMN	HEX ENTRY
		52	8 Expanded symbol set 4 Umlaut U 2 Angstrom A 1 Pound sign (English monetary sign)
		53	8 Yen sign 4 Umlaut A 2 Tilde N 1 AE
		54	8 Umlaut O 4 Slash 0 2 Dollar sign () 1 Video Image Digitizing, RPQ 7U0011
16	55	Alphanumeric special characters (Model 5 only):	
		HEX ENTRY	
		8	Multifont preprocessor feature (World Trade only)
		4	Special NHW keyboard character encoding
		2	NHW features test-byte mode RPQU92269 (Modes 1-4)
17	56-57	8	Command Retry RPQ Number MF3587
	58	Enter a slash (/) to indicate end of CDS entry.	

>> 1288 OPTICAL PAGE READER

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			00	081C							/		

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Always 00.	
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		20	8
		21	4
			2
			1
		Nothing defined; leave column blank.	
		Rejects coded as 7C.	
		Mark read feature.	
		EHW.	
		NHW.	
6-7	22-25	Class and type code for 1288; enter: 081C.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. None applicable; leave columns blank.	
A-13	32-51	Nothing defined; leave columns blank.	
14-15	52-55	Alphameric special characters:	
		CARD COLUMN	HEX ENTRY
		52	8
			4
			2
			1
			8
			4
			2
			1
			8
			4
			2
			1
			8
			1
		Extended symbol set	
		Umlaut U	
		Angstrom A	
		Pound sign (English monetary sign)	
		Yen sign	
		Umlaut A	
		Tilde N	
		AE	
		Umlaut O	
		Slash 0	
		Dollar sign (\$)	
		Video Image Digitizing, RPQ7U0011	
		Multifont preprocessor feature (World Trade only)	
		RPQ Read 7B, RPQ Number ME4599.	
16	56-57	56	8
		57	
		Command Retry RPQ Number MF3587.	
		Nothing defined; leave column blank.	
	58	Enter a slash (/) to indicate end of CDS entry.	

>> 1403 PRINTER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	0808			/									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank.	
		CARD COLUMN	HEX ENTRY
		18	
		19	1
		Nothing defined; leave column blank. 1403 is natively attached to a S/370 Model 135.	
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		20	8
			4
			2
			1
		21	8
			1
		Universal character set feature. 120 print positions. Selective tape listing. Two-channel switch attached to 2821 Control Unit. 1403 being used in multiprocessor system. 1403 is attached to a 2947.	
6-7	22-25	Class and type code for 1403; enter: 0808.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
	32	Enter a slash (/) to indicate end of CDS entry.	

>> 1404 PRINTER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	8	0	8	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. None defined; leave columns blank.									
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank:									
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>20</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>21</td> <td>2</td> <td>1404 read compare feature installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		20		Nothing defined; leave column blank.	21	2	1404 read compare feature installed.
CARD COLUMN	HEX ENTRY										
20		Nothing defined; leave column blank.									
21	2	1404 read compare feature installed.									
6-7	22-25	Class and type code for 1404; enter: 0808.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank:									
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td></td> <td>None applicable; leave column blank.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31		None applicable; leave column blank.
CARD COLUMN	HEX ENTRY										
30	4	Device shared with another system.									
31		None applicable; leave column blank.									
	32	Enter a slash (/) to indicate end of CDS entry.									

>> 1419 MAGNETIC CHARACTER READER WITH DOS SINGLE ADDRESS ADAPTER

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	8	2	9		/					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4	18-19	Model code. None defined; leave columns blank.																		
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>Expanded codeline feature (CMC7) installed; data in columns 36-39 is valid.</td> </tr> <tr> <td></td> <td>4</td> <td>Batch numbering feature installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Programmable pocket light-1 feature installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Programmable pocket light-2 feature installed.</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	Expanded codeline feature (CMC7) installed; data in columns 36-39 is valid.		4	Batch numbering feature installed.		2	Programmable pocket light-1 feature installed.		1	Programmable pocket light-2 feature installed.	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																			
20	8	Expanded codeline feature (CMC7) installed; data in columns 36-39 is valid.																		
	4	Batch numbering feature installed.																		
	2	Programmable pocket light-1 feature installed.																		
	1	Programmable pocket light-2 feature installed.																		
21		Nothing defined; leave column blank.																		
6-7	22-25	Class and type code for 1419 single address; enter: 0829.																		
8	26-29	Columns not used; leave blank.																		
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>1</td> <td>This device is associated with external interrupts.</td> </tr> <tr> <td>31</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	1	This device is associated with external interrupts.	31		Nothing defined; leave column blank.									
CARD COLUMN	HEX ENTRY																			
30	1	This device is associated with external interrupts.																		
31		Nothing defined; leave column blank.																		
A	32-33	Flags code extension. None applicable; leave columns blank.																		
B	34-35	External signal mask field. If none, leave columns blank. Enter one of the following if the external interrupt feature is installed as indicated in the flags byte: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Enter if device is 1st from CPU along external cable.</td> </tr> <tr> <td>02</td> <td>Enter if device is 2nd from CPU along external cable.</td> </tr> <tr> <td>04</td> <td>Enter if device is 3rd from CPU along external cable.</td> </tr> <tr> <td>08</td> <td>Enter if device is 4th from CPU along external cable.</td> </tr> <tr> <td>10</td> <td>Enter if device is 5th from CPU along external cable.</td> </tr> <tr> <td>20</td> <td>Enter if device is 6th from CPU along external cable.</td> </tr> </tbody> </table>	HEX ENTRY		01	Enter if device is 1st from CPU along external cable.	02	Enter if device is 2nd from CPU along external cable.	04	Enter if device is 3rd from CPU along external cable.	08	Enter if device is 4th from CPU along external cable.	10	Enter if device is 5th from CPU along external cable.	20	Enter if device is 6th from CPU along external cable.				
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20	Enter if device is 6th from CPU along external cable.																			

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
C-D	36-39	Optional data with the expanded codeline feature installed. If the codeline feature is not installed, leave columns blank.	
		CARD COLUMN	HEX ENTRY
		36	Nothing defined; leave column blank.
		37	4
		38	2
			Modulus 10 feature installed.
			4
			Modulus 11 feature installed.
			2
			Closing special symbol not required for field 1 (Jumper: A-B *1).
			2
			Closing special symbol not required for field 2 (Jumper: C-D *1).
			1
			Closing special symbol not required for field 3 (Jumper: E-F *1).
		39	8
			Closing special symbol not required for field 4 (Jumper: G-H *1).
			4
			Closing special symbol not required for field 5 (Jumper: L-M *1).
			2
			Closing special symbol not required for field 6 (Jumper: N-P *1).
			2
			Closing special symbol not required for field 6 (Jumper: N-P *1).
			1
			Closing special symbol not required for field 7 (Jumper: Q-R *1).
			*1 = Fields that require closing special symbols may be determined by checking the SMS paddle card in 02A1A09. The jumper has been cut for each field that does not require closing special symbol.
	40	Enter a slash (/) to indicate end of CDS entry.	

>> 1419 MAGNETIC CHARACTER READER WITH DOS DUAL ADDRESS ADAPTER

Two entries are required: one for primary adapters; the other, for secondary adapters.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	082				/								

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4	18-19	Model code. None defined; leave columns blank.																		
5	20-21	Feature code. Column 20 applicable to primary control units. If none apply, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>Expanded codeline feature (CMC7) installed; data in columns 36-39 is valid.</td> </tr> <tr> <td></td> <td>4</td> <td>Batch numbering feature installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Programmable pocket light-1 feature installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Programmable pocket light-2 feature installed.</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	Expanded codeline feature (CMC7) installed; data in columns 36-39 is valid.		4	Batch numbering feature installed.		2	Programmable pocket light-1 feature installed.		1	Programmable pocket light-2 feature installed.	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																			
20	8	Expanded codeline feature (CMC7) installed; data in columns 36-39 is valid.																		
	4	Batch numbering feature installed.																		
	2	Programmable pocket light-1 feature installed.																		
	1	Programmable pocket light-2 feature installed.																		
21		Nothing defined; leave column blank.																		
6-7	22-25	Class and type codes. Select one of the following: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>082D</td> <td>1419 DOS dual address primary CDS entry.</td> </tr> <tr> <td>082E</td> <td>1419 DOS dual address secondary CDS entry.</td> </tr> </tbody> </table>	HEX ENTRY		082D	1419 DOS dual address primary CDS entry.	082E	1419 DOS dual address secondary CDS entry.												
HEX ENTRY																				
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8	26-29	Columns not used; leave blank.																		
9	30-31	Flags code. Column 30 is applicable only to primary control units. If none apply, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>1</td> <td>This device is associated with external interrupts.</td> </tr> <tr> <td>31</td> <td></td> <td>None applicable; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	1	This device is associated with external interrupts.	31		None applicable; leave column blank.									
CARD COLUMN	HEX ENTRY																			
30	1	This device is associated with external interrupts.																		
31		None applicable; leave column blank.																		

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																																					
A	32-33	If secondary CDS, enter a slash (/) in column 32 to indicate end of CDS entry. If primary CDS, leave columns blank.																																					
B	34-35	External signal mask field (applicable to primary control units only). Enter one of the following if the external interrupt feature is installed as indicated in flags byte; if none apply, leave columns blank: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Enter if device is 1st from CPU along external cable.</td> </tr> <tr> <td>02</td> <td>Enter if device is 2nd from CPU along external cable.</td> </tr> <tr> <td>04</td> <td>Enter if device is 3rd from CPU along external cable.</td> </tr> <tr> <td>08</td> <td>Enter if device is 4th from CPU along external cable.</td> </tr> <tr> <td>10</td> <td>Enter if device is 5th from CPU along external cable.</td> </tr> <tr> <td>20</td> <td>Enter if device is 6th from CPU along external cable.</td> </tr> </tbody> </table>		HEX ENTRY		01	Enter if device is 1st from CPU along external cable.	02	Enter if device is 2nd from CPU along external cable.	04	Enter if device is 3rd from CPU along external cable.	08	Enter if device is 4th from CPU along external cable.	10	Enter if device is 5th from CPU along external cable.	20	Enter if device is 6th from CPU along external cable.																						
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20	Enter if device is 6th from CPU along external cable.																																						
C-D	36-39	Optional data with the expanded codeline feature installed. If the codeline feature is not installed, leave columns blank. <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>37</td> <td>4</td> <td>Modulus 10 feature installed.</td> </tr> <tr> <td>38</td> <td>2</td> <td>Modulus 11 feature installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Closing special symbol not required for field 1 (Jumper: A-B *1).</td> </tr> <tr> <td></td> <td>2</td> <td>Closing special symbol not required for field 2 (Jumper: C-D *1).</td> </tr> <tr> <td></td> <td>1</td> <td>Closing special symbol not required for field 3 (Jumper: E-F *1).</td> </tr> <tr> <td>39</td> <td>8</td> <td>Closing special symbol not required for field 4 (Jumper: G-H *1).</td> </tr> <tr> <td></td> <td>4</td> <td>Closing special symbol not required for field 5 (Jumper: L-M *1).</td> </tr> <tr> <td></td> <td>2</td> <td>Closing special symbol not required for field 6 (Jumper: N-P *1).</td> </tr> <tr> <td></td> <td>1</td> <td>Closing special symbol not required for field 7 (Jumper: Q-R *1).</td> </tr> <tr> <td></td> <td></td> <td> *1 = Fields that require closing special symbols may be determined by checking the SMS paddle card in 02A1A09. The jumper has been cut for each field that does not require closing special symbol. </td> </tr> </tbody> </table>		CARD COLUMN	HEX ENTRY		36		Nothing defined; leave column blank.	37	4	Modulus 10 feature installed.	38	2	Modulus 11 feature installed.		4	Closing special symbol not required for field 1 (Jumper: A-B *1).		2	Closing special symbol not required for field 2 (Jumper: C-D *1).		1	Closing special symbol not required for field 3 (Jumper: E-F *1).	39	8	Closing special symbol not required for field 4 (Jumper: G-H *1).		4	Closing special symbol not required for field 5 (Jumper: L-M *1).		2	Closing special symbol not required for field 6 (Jumper: N-P *1).		1	Closing special symbol not required for field 7 (Jumper: Q-R *1).			*1 = Fields that require closing special symbols may be determined by checking the SMS paddle card in 02A1A09. The jumper has been cut for each field that does not require closing special symbol.
CARD COLUMN	HEX ENTRY																																						
36		Nothing defined; leave column blank.																																					
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	40	Enter a slash (/) to indicate end of CDS entry.																																					

>> 1419 MAGNETIC CHARACTER READER WITH OS DUAL ADDRESS ADAPTER

Two entries are required: one for primary adapters; the other, for secondary adapters.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4	18-19	Model code. None defined; leave columns blank.																		
5	20-21	Feature code. Column 20 applicable to primary control units. If none apply, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>Expanded codeline feature (CMC7) installed; data in columns 36-39 is valid.</td> </tr> <tr> <td></td> <td>4</td> <td>Batch numbering feature installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Programmable pocket light-1 feature installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Programmable pocket light-2 feature installed.</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	Expanded codeline feature (CMC7) installed; data in columns 36-39 is valid.		4	Batch numbering feature installed.		2	Programmable pocket light-1 feature installed.		1	Programmable pocket light-2 feature installed.	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																			
20	8	Expanded codeline feature (CMC7) installed; data in columns 36-39 is valid.																		
	4	Batch numbering feature installed.																		
	2	Programmable pocket light-1 feature installed.																		
	1	Programmable pocket light-2 feature installed.																		
21		Nothing defined; leave column blank.																		
6-7	22-25	Class and type codes. Select one of the following: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>081D</td> <td>1419 OS dual address primary CDS entry.</td> </tr> <tr> <td>081E</td> <td>1419 OS dual address secondary CDS entry.</td> </tr> </tbody> </table>	HEX ENTRY		081D	1419 OS dual address primary CDS entry.	081E	1419 OS dual address secondary CDS entry.												
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081D	1419 OS dual address primary CDS entry.																			
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8	26-29	Columns not used; leave blank.																		
9	30-31	Flags code. Column 30 is applicable only to primary control units. If none apply, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td>None applicable; leave column blank.</td> </tr> <tr> <td>31</td> <td></td> <td>None applicable; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		None applicable; leave column blank.	31		None applicable; leave column blank.									
CARD COLUMN	HEX ENTRY																			
30		None applicable; leave column blank.																		
31		None applicable; leave column blank.																		

CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED			
CDS CORE BYTE	CARD COLUMN		
A	32	If secondary CDS, enter a slash (/) in column 32 to indicate end of CDS entry.	
Columns 32-40 apply only to primary control units.			
A- B	32-35	Nothing defined. Leave columns blank.	
C-D	36-39	Optional data with the expanded codeline feature installed. If the codeline feature is not installed, leave columns blank.	
		CARD COLUMN	HEX ENTRY
		36	Nothing defined; leave column blank.
		37	4 Modulus 10 feature installed.
			2 Modulus 11 feature installed.
		38	4 Closing special symbol not required for field 1 (Jumper: A-B *1).
			2 Closing special symbol not required for field 2 (Jumper: C-D *1).
			1 Closing special symbol not required for field 3 (Jumper: E-F *1).
		39	8 Closing special symbol not required for field 4 (Jumper: G-H *1).
			4 Closing special symbol not required for field 5 (Jumper: L-M *1).
			2 Closing special symbol not required for field 6 (Jumper: N-P *1).
			1 Closing special symbol not required for field 7 (Jumper: Q-R *1).
			*1 = Fields that require closing special symbols may be determined by checking the SMS paddle card in 02A1A09. The jumper has been cut for each field that does not require closing special symbol.
	40	Enter a slash (/) to indicate end of CDS entry.	

>> 1443 PRINTER MODEL N1

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	080A		/										

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. None defined; leave columns blank.									
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:									
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>20</td> <td>4</td> <td>144 print positions.</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		20	4	144 print positions.	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY										
20	4	144 print positions.									
21		Nothing defined; leave column blank.									
6-7	22-25	Class and type code defined for 1443; enter: 080A.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. None applicable, leave columns blank.									
	32	Enter a slash (/) to indicate end of CDS entry.									

>> 1445 PRINTER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	080B		/										

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. Nothing defined; leave columns blank.
6-7	22-25	Class and type code; enter: 080B.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 2150 CONSOLE

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	8	2	1		/					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. Nothing defined; leave blank.
6-7	22-25	Class and type code for 2150; enter: 0821.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 2245 PRINTER

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	8	0	D		/					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. Nothing defined; leave blank.
6-7	22-25	Class and type code for 2245; enter: 080D.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 2250 DISPLAY UNIT

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
ENTRY			3	1002			/																							

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																																			
0-3	10-17	Device address right justified. Leading zeros can be omitted.																																			
4	18-19	Model code. Specify one of the following: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>31</td> <td>2250 Model 1</td> </tr> <tr> <td>32</td> <td>2250 Model 2/2840-1</td> </tr> <tr> <td>33</td> <td>2250 Model 3/2840-2</td> </tr> </tbody> </table>	HEX ENTRY		31	2250 Model 1	32	2250 Model 2/2840-1	33	2250 Model 3/2840-2																											
HEX ENTRY																																					
31	2250 Model 1																																				
32	2250 Model 2/2840-1																																				
33	2250 Model 3/2840-2																																				
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="4">20</td> <td>8</td> <td>Absolute vector graphics</td> </tr> <tr> <td>4</td> <td>Aplhameric keyboard</td> </tr> <tr> <td>2</td> <td>Light pen</td> </tr> <tr> <td>1</td> <td>Program function keyboard</td> </tr> <tr> <td rowspan="8">21</td> <td>1</td> <td>4K buffer</td> </tr> <tr> <td>2</td> <td>8K buffer</td> </tr> <tr> <td>3</td> <td>Character generator</td> </tr> <tr> <td>4</td> <td>4K buffer and character generator</td> </tr> <tr> <td>5</td> <td>8K buffer and character generator</td> </tr> <tr> <td>6</td> <td>Graphic design</td> </tr> <tr> <td>7</td> <td>Graphic design and 4K buffer</td> </tr> <tr> <td>8</td> <td>Graphic design and 8K buffer</td> </tr> <tr> <td>9</td> <td>Graphic design and character generator</td> </tr> <tr> <td>A</td> <td>Graphic design, 4K buffer, and character generator</td> </tr> <tr> <td>B</td> <td>Graphic design, 8K buffer, and character generator</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	Absolute vector graphics	4	Aplhameric keyboard	2	Light pen	1	Program function keyboard	21	1	4K buffer	2	8K buffer	3	Character generator	4	4K buffer and character generator	5	8K buffer and character generator	6	Graphic design	7	Graphic design and 4K buffer	8	Graphic design and 8K buffer	9	Graphic design and character generator	A	Graphic design, 4K buffer, and character generator	B	Graphic design, 8K buffer, and character generator
CARD COLUMN	HEX ENTRY																																				
20	8	Absolute vector graphics																																			
	4	Aplhameric keyboard																																			
	2	Light pen																																			
	1	Program function keyboard																																			
21	1	4K buffer																																			
	2	8K buffer																																			
	3	Character generator																																			
	4	4K buffer and character generator																																			
	5	8K buffer and character generator																																			
	6	Graphic design																																			
	7	Graphic design and 4K buffer																																			
	8	Graphic design and 8K buffer																																			
9	Graphic design and character generator																																				
A	Graphic design, 4K buffer, and character generator																																				
B	Graphic design, 8K buffer, and character generator																																				
6-7	22-25	Class and type for 2250; enter: 1002.																																			
8	26-29	Columns not used; leave blank.																																			
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.																										
CARD COLUMN	HEX ENTRY																																				
30	4	Device shared with another system.																																			
31	4	This device or its control unit has two-channel switch installed.																																			
	32	Enter a slash (/) to indicate end of CDS entry.																																			

>> 2301 DRUM STORAGE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			2002		/								

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Nothing defined; leave blank.															
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>Scan feature (control unit feature)</td> </tr> <tr> <td></td> <td>4</td> <td>Track overflow (control unit feature)</td> </tr> <tr> <td></td> <td>2</td> <td>Shareable between CPUs (two-channel switch feature in control unit)</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	Scan feature (control unit feature)		4	Track overflow (control unit feature)		2	Shareable between CPUs (two-channel switch feature in control unit)	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																
20	8	Scan feature (control unit feature)															
	4	Track overflow (control unit feature)															
	2	Shareable between CPUs (two-channel switch feature in control unit)															
21		Nothing defined; leave column blank.															
6-7	22-25	Class and type for 2301; enter: 2002.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
	32	Enter a slash (/) to indicate end of CDS entry.															

>> 2303 DRUM STORAGE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	2003			/									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. Nothing defined; leave blank.
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	20	8 Scan feature (control unit feature)
		4 Track overflow (control unit feature)
		2 Shareable between CPUs (two-channel-switch feature in control unit)
	21	Nothing defined; leave column blank.
6-7	22-25	Class and type code for 2303; enter: 2003.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	30	4 Device shared with another system.
	31	4 This device or its control unit has two-channel switch installed.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 2305 FIXED HEAD STORAGE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																			
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9		
ENTRY			200		/																											

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined; leave columns blank.															
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>4</td> <td>Track overflow (control unit feature)</td> </tr> <tr> <td></td> <td>2</td> <td>Shareable between CPUs (two-channel switch feature in control unit)</td> </tr> <tr> <td></td> <td>1</td> <td>Rotational position sensing</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	4	Track overflow (control unit feature)		2	Shareable between CPUs (two-channel switch feature in control unit)		1	Rotational position sensing	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																
20	4	Track overflow (control unit feature)															
	2	Shareable between CPUs (two-channel switch feature in control unit)															
	1	Rotational position sensing															
21		Nothing defined; leave column blank.															
6-7	22-25	Class and type code. Select one of the following:															
		<table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>2006</td> <td>2305 Model 1</td> </tr> <tr> <td>2007</td> <td>2305 Model 2</td> </tr> </tbody> </table>	HEX ENTRY		2006	2305 Model 1	2007	2305 Model 2									
HEX ENTRY																	
2006	2305 Model 1																
2007	2305 Model 2																
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
	32	Enter a slash (/) to indicate end of CDS entry.															

>> 2311 DISK STORAGE

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			2	0	0	1	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE										
0-3	10-17	Device address right justified. Leading zeros can be omitted.										
4	18-19	Model code. None defined; leave columns blank.										
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> </tr> <tr> <td></td> <td>4</td> </tr> <tr> <td></td> <td>2</td> </tr> <tr> <td>21</td> <td></td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY	20	8		4		2	21	
CARD COLUMN	HEX ENTRY											
20	8											
	4											
	2											
21												
6-7	22-25	Class and type code for 2311; enter: 2001.										
8	26-29	Columns not used; leave blank.										
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> </tr> <tr> <td>31</td> <td>4</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY	30	4	31	4				
CARD COLUMN	HEX ENTRY											
30	4											
31	4											
	32	Enter a slash (/) to indicate end of CDS entry.										

>> 2314 DIRECT ACCESS STORAGE FACILITY

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			2	0	0	8	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined; leave blank.															
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>Scan feature (control unit feature)</td> </tr> <tr> <td></td> <td>4</td> <td>Track overflow (control unit feature)</td> </tr> <tr> <td></td> <td>2</td> <td>Shareable between CPUs (two-channel switch feature in control unit)</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	Scan feature (control unit feature)		4	Track overflow (control unit feature)		2	Shareable between CPUs (two-channel switch feature in control unit)	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																
20	8	Scan feature (control unit feature)															
	4	Track overflow (control unit feature)															
	2	Shareable between CPUs (two-channel switch feature in control unit)															
21		Nothing defined; leave column blank.															
6-7	22-25	Class and type code for 2314; enter: 2008.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
	32	Enter a slash (/) to indicate end of CDS entry.															

>> 2321 DATA CELL DRIVE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			2005		/								

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. None defined; leave columns blank.	
5	20-21	Feature code. Enter as applicable; if none apply, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		20	8
			4
			2
		21	
		Scan feature (control unit feature)	
		Track overflow (control unit feature)	
		Shareable between CPUs (two-channel switch feature in control unit)	
		Nothing defined; leave column blank.	
6-7	22-25	Class and type code for 2321; enter: 2005.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; if none apply, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system.	
		This device or its control unit has two-channel switch installed.	
	32	Enter a slash (/) to indicate end of CDS entry.	

D99-CDSGA-20

>> 2400 MAGNETIC TAPE (FOR 2401, 2402, 2403, 2404, 2415, AND 2420)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Phase encoding, Models 4, 5, 6, and 7.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Phase encoding, Models 4, 5, 6, and 7.						
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Phase encoding, Models 4, 5, 6, and 7.															
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>7 track (Models 1, 2, and 3)</td> </tr> <tr> <td></td> <td>4</td> <td>Data conversion (Models 1, 2, and 3)</td> </tr> <tr> <td></td> <td>2</td> <td>Dual density (Models 4, 5, and 6)</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	7 track (Models 1, 2, and 3)		4	Data conversion (Models 1, 2, and 3)		2	Dual density (Models 4, 5, and 6)	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																
20	8	7 track (Models 1, 2, and 3)															
	4	Data conversion (Models 1, 2, and 3)															
	2	Dual density (Models 4, 5, and 6)															
21		Nothing defined; leave column blank.															
6-7	22-25	Class and type for 2400 series; enter: 8001.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
	32	Enter a slash (/) to indicate end of CDS entry.															

>> 2501 CARD READER

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	8	0	4	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined; leave columns blank.															
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:															
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CARD COLUMN	HEX ENTRY																
20		Nothing defined; leave column blank.															
21	4	Rows 11 and 12 eliminate feature attached.															
	2	Optical mark read feature attached.															
	1	Card image (binary mode feature) attached.															
6-7	22-25	Class and type for 2501; enter: 0804.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
	32	Enter a slash (/) to indicate end of CDS entry.															

>> 2520 CARD READ PUNCH

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE						
0-3	10-17	Device address right justified. Leading zeros can be omitted.						
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:						
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>1</td> </tr> </table>	CARD COLUMN	HEX ENTRY	18		19	1
CARD COLUMN	HEX ENTRY							
18								
19	1							
		Nothing defined; leave column blank. 2520 Model B2 or B3 card punch only.						
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:						
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>20</td> <td></td> </tr> <tr> <td>21</td> <td>1</td> </tr> </table>	CARD COLUMN	HEX ENTRY	20		21	1
CARD COLUMN	HEX ENTRY							
20								
21	1							
		Nothing defined; leave column blank. Card image (binary mode feature) attached.						
6-7	22-25	Class and type for 2520; enter: 0805.						
8	26-29	Columns not used; leave blank.						
9	30-31	Flags code. None applicable; leave columns blank.						
	32	Enter a slash (/) to indicate end of CDS entry.						

>> 2540 CARD READ PUNCH

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																					
0-3	10-17	Device address right justified. Leading zeros can be omitted.																					
4	18-19	Model code. None defined; leave columns blank.																					
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>Column binary is installed.</td> </tr> <tr> <td></td> <td>4</td> <td>51-col. read feed for reader, or punch feed read for punch.</td> </tr> <tr> <td></td> <td>2</td> <td>1400 compatibility is installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Two-channel switch is installed on 2821.</td> </tr> <tr> <td>21</td> <td>8</td> <td>Multiprocessor configuration.</td> </tr> <tr> <td></td> <td>4</td> <td>2540 is attached to a 2821 Model 6 Control Unit.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	Column binary is installed.		4	51-col. read feed for reader, or punch feed read for punch.		2	1400 compatibility is installed.		1	Two-channel switch is installed on 2821.	21	8	Multiprocessor configuration.		4	2540 is attached to a 2821 Model 6 Control Unit.
CARD COLUMN	HEX ENTRY																						
20	8	Column binary is installed.																					
	4	51-col. read feed for reader, or punch feed read for punch.																					
	2	1400 compatibility is installed.																					
	1	Two-channel switch is installed on 2821.																					
21	8	Multiprocessor configuration.																					
	4	2540 is attached to a 2821 Model 6 Control Unit.																					
6-7	22-25	Class and type codes. Select one of the following: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>0801</td> <td>2540 Reader CDS entry.</td> </tr> <tr> <td>0802</td> <td>2540 Punch CDS entry.</td> </tr> </tbody> </table>	HEX ENTRY		0801	2540 Reader CDS entry.	0802	2540 Punch CDS entry.															
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0801	2540 Reader CDS entry.																						
0802	2540 Punch CDS entry.																						
8	26-29	Columns not used; leave blank.																					
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.												
CARD COLUMN	HEX ENTRY																						
30	4	Device shared with another system.																					
31	4	This device or its control unit has two-channel switch installed.																					
	32	Enter a slash (/) to indicate end of CDS entry.																					

>> 2560 MULTIFUNCTION CARD MACHINE (MFCM)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	8	4	6	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type for 2560; enter: 0846.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
A-B	32-35	Nothing defined; leave columns blank.	
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.	
*****	*****	Extended fixed area. Required for this remote terminal. Refer to Extended Fixed Area (Section 5) for details.	
14	44-45	Extended fixed area length byte count in hexadecimal. Enter: 1B.	
15-16	46-49	Extended area flag bits. Enter as applicable; otherwise, leave blank:	
		CARD COLUMN	HEX ENTRY
		46	8
			4
			2
			1
		47	8
		48-49	
		Two-byte SET MODE data present in columns 52-55.	
		Autocall is installed and is to be used in calling terminal.	
		Communication link is a switched line.	
		Communication link is a nonswitched multidrop line.	
		Communication link requires World Trade answer tone.	
		Nothing defined; leave columns blank.	
17	50-51	Line connection command sequence code for SDA-II (BSC). Enter: 03.	
18	52-53	Enter the mode word for the SET MODE command.	
19	54-55	Second byte of mode word. Leave columns blank.	
1A	56-57	Enter the number of dial digits (in hexadecimal) in the dial digits field when the communication link is a switched line (auto or manual). Otherwise, leave columns blank.	
1B-21	58-71	Enter the dial digits of the terminal. Example: For 38152, enter F3F8F1F5F2 or 0308010502 or " 3 8 1 5 2" in columns 54-63. When the number of dial digits (N) = 0, leave columns blank.	
		NOTE: The field can hold up to 20 digits; leave unused card columns blank.	
	72	Enter an asterisk (*) to denote that continuation card follows.	

>> 2700 BINARY SYNCHRONOUS TERMINALS (SECOND OF THREE CDS CARDS)

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE
	1-15	Leave columns blank.
22-2E	16-41	Continuation of dial digits when the number of digits exceeds seven. If not applicable; leave column blank.
2F	42-43	Enter number of poll characters to be entered in columns 44-57. If none, leave columns blank.
30-36	44-57	Enter up to seven poll characters, left-justified and in hexadecimal. Leave all unused columns blank. NOTE: A separate CDS entry must be provided for each input/output pair of terminal components. For example: A 2780 with a reader, printer, and punch requires two CDS entries. One contains the reader polling characters and the punch selection characters, and the other contains the reader polling characters and the printer selection characters.
37	58-59	Enter the number of component selection characters to be entered in columns 60-71 of this (second) card, and in columns 16-23 of the third card. If there are no selection characters, leave columns blank.
38-3D	60-71	Enter the component selection characters in hexadecimal. This field can hold up to ten characters. They must be entered left-justified. Unused columns should be left blank. If there are no selection characters, leave columns 60-71 blank. This field extends into the third card (refer to columns 16-23). This ten-character field would contain: (1) The selection characters for a multidrop terminal; or (2) The component selection characters for a point-to-point terminal.
	72	Enter an asterisk (*) for continuation on next card.

>> 2700 BINARY SYNCHRONOUS TERMINALS (THIRD OF THREE CDS CARDS)

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE
	1-15	Leave columns blank.
3E-41	16-23	Continuation of component selection characters. If not applicable; leave columns blank.
42	24-25	Enter number of bi-sync ID characters in hexadecimal to be entered in columns 26-55. If there are no ID characters, leave columns blank.
43-51	26-55	Enter the bi-sync ID characters in hexadecimal left-justified. This field allows up to 15 characters. They are the ID characters of the CPU in which the OLT is running. The ID is not the CPU type number (for example: 3145, etc.). The ID must be obtained from the customer. If there are no bi-sync ID characters, leave columns blank.
	56	Enter a slash (/) to indicate end of CDS entry.

>> 2701 TERMINAL ADAPTER IBM TYPE I

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	014001 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	18	Nothing defined; leave column blank.
	19	4 Write only line (For RPQ features, see RPQ OLT writeups).
		2 Read only line (For RPQ features, see RPQ OLT writeups).
		1 RPQ indicator (CDS contains RPQ information).
5	20-21	Feature code. Enter 01 to specify that the adapter is IBM Type I.
6-7	22-25	Class and type for 2701 TCU; enter: 4001.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	30	4 Device shared with another system.
	31	4 This device or its control unit has two-channel switch installed.
A-B	32-35	Nothing defined; leave columns blank.
C-D	36-39	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	36	8 Two-processor/channel switch is installed.
		4 Autocall is installed.
		2 Communication line is a switched line.
	37	1 Data set is an IBM modem (two-wire half-duplex)
		8 Data set is a WTC modem (3976/3977).
		4 Communication line is a multipoint line.
		2 Communication line is a 1050 teletype line adapter.
	38	1 IBM Terminal Adapter Type I Model 2 is installed.
		8 Abortive disconnect active.
	39	Nothing defined; leave column blank.
E-10	40-45	Nothing defined; leave columns blank.
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.
	52	Enter a slash (/) to indicate end of CDS entry.

>> 2701 TERMINAL ADAPTER IBM TYPE II

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	024001			/									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information).
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information).															
5	20-21	Feature code. Enter 02 to specify that the adapter is IBM Type II.															
6-7	22-25	Class and type for 2701 TCU; enter: 4001.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
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A-B	32-35	Nothing defined; leave columns blank.															
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Data set is an IBM modem (two-wire half duplex).</td> </tr> <tr> <td>37</td> <td>8</td> <td>Data set is a WTC modem (3976/3977).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.		1	Data set is an IBM modem (two-wire half duplex).	37	8	Data set is a WTC modem (3976/3977).			
CARD COLUMN	HEX ENTRY																
36	8	Two-processor/channel switch is installed.															
	1	Data set is an IBM modem (two-wire half duplex).															
37	8	Data set is a WTC modem (3976/3977).															
D-10	38-45	Nothing defined; leave columns blank.															
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.															
	52	Enter a slash (/) to indicate end of CDS entry.															

>> 2701 TERMINAL ADAPTER IBM TYPE III

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	034001										/		

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information)
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information)															
5	20-21	Feature code. Enter 03 to specify that the adapter is IBM Type III.															
6-7	22-25	Class and type for 2701 TCU; enter: 4001.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
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CARD COLUMN	HEX ENTRY																
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37	4	Communication line is a multipoint line.															
D-10	38-45	Nothing defined; leave columns blank.															
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.															
	52	Enter a slash (/) to indicate end of CDS entry.															

>> 2701 TELEGRAPH ADAPTER TYPE TTY I

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	044001 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
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	1	RPQ indicator (CDS contains RPQ information)															
5	20-21	Feature code. Enter 04 to specify that the adapter is type TTY I.															
6-7	22-25	Class and type for 2701 TCU; enter: 4001.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:															
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D-10	38-45	Nothing defined; leave columns blank.															
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.															
	52	Enter a slash (/) to indicate end of CDS entry.															

>> 2701 TELEGRAPH ADAPTER TYPE TTY II

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	054001 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:															
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19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information).															
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.															
6-7	22-25	Class and type for 2701 TCU; enter: 4001.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:															
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A-B	32-35	Nothing defined; leave columns blank.															
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall is installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Communication line is a switched line.</td> </tr> <tr> <td>37</td> <td>8</td> <td>Abortive disconnect active.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.		4	Autocall is installed.		2	Communication line is a switched line.	37	8	Abortive disconnect active.
CARD COLUMN	HEX ENTRY																
36	8	Two-processor/channel switch is installed.															
	4	Autocall is installed.															
	2	Communication line is a switched line.															
37	8	Abortive disconnect active.															
D-10	38-45	Nothing defined; leave columns blank.															
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.															
	52	Enter a slash (/) to indicate end of CDS entry.															

>> 2701 TELEGRAPH ADAPTER, WORLD TRADE CORPORATION (WTC)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	064001 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	18	Nothing defined; leave column blank.
	19	4 Write only line (Refer to RPQ OLT writeup for RPQ features).
		2 Read only line (Refer to RPQ OLT writeup for RPQ features).
		1 RPQ indicator (CDS contains RPQ information)
5	20-21	Feature code. Enter 06 to specify that the adapter is type WTC.
6-7	22-25	Class and type for 2701 TCU; enter: 4001.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	30	4 Device shared with another system.
	31	4 This device or its control unit has two-channel switch installed.
A-B	32-35	Nothing defined; leave columns blank.
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	36	8 Two-processor/channel switch is installed.
	37	Nothing defined; leave column blank.
D	38-39	Enter, in hex form of the transmission code, the EOT character assigned by the customer.
E	40-41	Enter, in hex form of the transmission code, the EOB character assigned by the customer.
F-10	42-45	Nothing defined; leave columns blank.
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.
	52	Enter a slash (/) to indicate end of CDS entry.

>> 2701 PARALLEL DATA ADAPTER

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2	3
			0	A	4	0	0	1		/				

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	
		19	4
			2
			1
		Nothing defined; leave column blank. Write only line (Refer to RPQ OLT writeup for RPQ features). Read only line (Refer to RPQ OLT writeup for RPQ features). RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 0A to specify that the adapter is a PDA.	
6-7	22-25	Class and type for 2701 TCU; enter: 4001.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
		37	2
			3
			4
			5
			6
			8
		Two-processor/channel switch is installed. No-extension feature, word length is 2. One-extension feature, word length is 3. Two-extension feature, word length is 4. Three-extension feature, word length is 5. Four-extension feature, word length is 6. Timeout feature is installed.	
D-10	38-45	Nothing defined; leave columns blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

>> 2701 SYNCHRONOUS DATA ADAPTER TYPE I (SDA-I)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	7	4	0	0	1		/			

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	
		19	4
			2
			1
		Nothing defined; leave column blank.	
		Write only line (Refer to RPQ OLT writeup for RPQ features).	
		Read only line (Refer to RPQ OLT writeup for RPQ features).	
		RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 07 to specify that the adapter is type SDA-I (STR).	
6-7	22-25	Class and type for 2701 TCU; enter: 4001.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system.	
		This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			2
			1
		37	1
			2
			3
			5
			6
			7
			9
			A
			B
			D
			E
			F
		Two-processor/channel switch installed.	
		Autocall installed.	
		Early channel end installed.	
		Dual interface installed.	
		External clocking and full duplex installed.	
		External clocking and two-wire half duplex installed.	
		External clocking and four-wire half duplex installed.	
		Internal clocking Y and full duplex installed.	
		Internal clocking Y and two-wire half duplex installed.	
		Internal clocking Y and four-wire half duplex installed.	
		Internal clocking X and full duplex.	
		Internal clocking X and two-wire half duplex installed.	
		Internal clocking X and four-wire half duplex installed.	
		Internal clocking Z and full duplex installed.	
		Internal clocking Z and two-wire half duplex installed.	
		Internal clocking Z and four-wire half duplex installed.	

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
D-10	38-45	Nothing defined; leave columns blank.
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.
	52	Enter a slash (/) to indicate end of CDS entry.

>> 2701 SYNCHRONOUS DATA ADAPTER TYPE II (SDA-II)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	8	4	0	0	1		/			

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line, (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line, (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information).
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line, (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information).															
5	20-21	Feature code. Enter 08 to specify that the adapter is type SDA-II (BSA or BSC).															
6-7	22-25	Class and type for 2701 TCU; enter: 4001.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
A-B	32-35	Nothing defined; leave columns blank.															

CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED

CDS CORE BYTE	CARD COLUMN		
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
	36	8	Two-processor/channel switch installed.
		4	Autocall is installed.
		1	Early channel end installed.
	37	8	Station selection is installed.
		4	Dual code installed.
		2	PAD format check is active.
		1	Force BCC check after ITB control character.
D-E	38-41	Code A. Enter as applicable; if none apply, leave column(s) blank.	
		CARD COLUMN	HEX ENTRY
	38	2	Code has transparent mode.
		1	Code has station selection.
	39	8	EBCDIC transmission code.
		4	Transcode transmission code.
		2	ASCII CRC transmission code.
		1	ASCII LRC transmission code.
	40-41		Enter Code-A polling character in hex form transmission code.
F-10	42-45	Code B. Applicable only when dual code feature is installed. If feature is not installed, leave columns blank.	
		CARD COLUMN	HEX ENTRY
	42-43		Enter feature installed as defined in columns 38-39.
	44-45		Enter Code-B polling character in hex form transmission code.
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

>> 2702 IBM TERMINAL CONTROL TYPE I

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																																				
0-3	10-17	Device address right justified. Leading zeros can be omitted.																																				
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CARD COLUMN	HEX ENTRY																																					
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	2	Read only line (Refer to RPQ OLT writeup for RPQ features).																																				
	1	RPQ indicator (CDS contains RPQ information).																																				
5	20-21	Feature code. Enter 01 to specify that the adapter is IBM Type I.																																				
6-7	22-25	Class and type for 2702 TCU; enter: 4002.																																				
8	26-29	Columns not used; leave blank.																																				
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:																																				
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C-D	36-39	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:																																				
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CARD COLUMN	HEX ENTRY																																					
36	8	Two-processor/channel switch installed.																																				
	4	Autocall installed.																																				
	2	Auto poll installed.																																				
	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).																																				
37	4	Break feature installed (feature code 8200).																																				
	2	One-character idle time deleted.																																				
38		Nothing defined; leave column blank.																																				
39	3	SADTHREE command.																																				
	2	SADTWO command.																																				
	1	SADONE command.																																				
	0	SADZERO command.																																				
E-10	40-45	Nothing defined; leave columns blank.																																				
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.																																				
	52	Enter a slash (/) to indicate end of CDS entry.																																				

>> 2702 IBM TERMINAL CONTROL TYPE I WITH 2741 BREAK FEATURE

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	094002				/								

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE		
0-3	10-17	Device address right justified. Leading zeros can be omitted.		
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:		
		CARD COLUMN	HEX ENTRY	
		18		
		19	4	
5	20-21	Feature code. Enter 09 to specify that the adapter is IBM Type I 2741 break feature.		
6-7	22-25	Class and type for 2702 TCU; enter: 4002		
8	26-29	Columns not used; leave blank.		
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:		
		CARD COLUMN	HEX ENTRY	
		30	4	
		31	4	
A-B	32-35	Nothing defined; leave columns blank.		
C-D	36-39	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:		
		CARD COLUMN	HEX ENTRY	
		36	8	Two-processor/channel switch installed.
			4	Autocall installed.
			2	Auto poll installed.
			1	Data set is an IBM modem (two-wire half duplex, enables on transmit).
		37	4	Break feature installed (feature code: 8200).
			2	One-character idle time deleted.
		38		Nothing defined; leave column blank.
		39	3	SADTHREE command.
2	SADTWO command.			
1	SADONE command.			
0	SADZERO command.			
E-10	40-45	Nothing defined; leave columns blank.		

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.
	52	Enter a slash (/) to indicate end of CDS entry.

>> 2702 IBM TERMINAL CONTROL TYPE II

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY			0	2	4	0			/				

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:															
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CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information).															
5	20-21	Feature code. Enter 02 to specify that the adapter is IBM Type II.															
6-7	22-25	Class and type for 2702 TCU; enter: 4002.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:															
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CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
A-B	32-35	Nothing defined; leave columns blank.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
C-D	36-39	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
	36	8 4 2 1	Two-processor/channel switch installed. Autocall installed. Auto poll installed. Data set is an IBM modem (two-wire half duplex, enables on transmit).
	37	2	One-character idle time deleted.
	38		Nothing defined; leave column blank.
	39	3	SADTHREE command.
		2	SADTWO command.
		1	SADONE command.
		0	SADZERO command.
E-10	40-45	Nothing defined; leave columns blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

>> 2702 TELEGRAPH TERMINAL CONTROL TYPE TTY I

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2	3
			0	4	4	0	0	2		/				

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
	18		Nothing defined; leave column blank.
	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).
		2	Read only line (Refer to RPQ OLT writeup for RPQ features).
		1	RPQ indicator (CDS contains RPQ information).
5	20-21	Feature code. Enter 04 to specify that the adapter is type TTY I.	
6-7	22-25	Class and type for 2702 TCU; enter: 4002.	
8	26-29	Columns not used; leave blank.	

---CDS CONTINUED ON NEXT PAGE---

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C-D	36-39	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			2
			1
		Two-processor/channel switch installed. Autocall installed. Auto poll installed. Data set is an IBM modem (two-wire half duplex, enables on transmit).	
		37	8
			2
			1
		Downshift on space feature installed. One-character idle time deleted. Alternate EOT installed.	
		38	
		39	3
			2
			1
			0
		Nothing defined; leave column blank. SADTHREE command. SADTWO command. SADONE command. SADZERO command.	
E-10	40-45	Nothing defined; leave columns blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

>> 2702 TELEGRAPH TERMINAL CONTROL TYPE TTY II

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
	054002 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	18	Nothing defined; leave column blank.
	19	4 Write only line (Refer to RPQ OLT writeup for RPQ features).
		2 Read only line (Refer to RPQ OLT writeup for RPQ features).
		1 RPQ indicator (CDS contains RPQ information).
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.
6-7	22-25	Class and type for 2702 TCU; enter: 4002.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	30	4 Device shared with another system.
	31	4 This device or its control unit has two-channel switch installed.
A-B	32-35	Nothing defined; leave columns blank.
C-D	36-39	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	36	8 Two-processor/channel switch installed.
		4 Autocall installed.
		2 Auto poll installed.
		1 Data set is an IBM modem (two-wire half duplex, enables on transmit).
	37	2 One-character idle time deleted.
	38	Nothing defined; leave column blank.
	39	3 SADTHREE command.
		2 SADTWO command.
		1 SADONE command.
		0 SADZERO command.
E-10	40-45	Nothing defined; leave columns blank.
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.
	52	Enter a slash (/) to indicate end of CDS entry.

>> 2702 TELEGRAPH CONTROL, WORLD TRADE CORPORATION

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	012345678901234567890123456789012345678901234567890123456789012												
ENTRY	064002 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	
		19	4
			2
			1
		Nothing defined; leave column blank. Write only line (Refer to RPQ OLT writeup for RPQ features). Read only line (Refer to RPQ OLT writeup for RPQ features). RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 06 to specify that the adapter is type WTC.	
6-7	22-25	Class and type for 2702 TCU; enter: 4002.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C-D	36-39	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			2
			1
		37	2
			1
		38	
		39	3
			2
			1
			0
		Two-processor/channel switch installed. Autocall installed. Auto poll installed. Data set is an IBM modem (two-wire half duplex, enables on transmit). One-character idle time deleted. Alternate EOT installed. Nothing defined; leave column blank. SADTHREE command. SADTWO command. SADONE command. SADZERO command.	
E	40-41	Enter the EOT character assigned by the customer in hex form of the transmission code.	

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
F	42-43	Enter the EOB character assigned by the customer in hex form of the transmission code.
10	44-45	Enter alternate EOT character if alternate EOT feature is installed. Otherwise leave columns blank.
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.
	52	Enter a slash (/) to indicate end of CDS entry.

>> 2703 IBM TERMINAL CONTROL TYPE I

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	1	4	0	0	3		/			

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information).
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information).															
5	20-21	Feature code. Enter 01 to specify that the adapter is IBM Type I.															
6-7	22-25	Class and type for 2703 TCU; enter: 4003.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
A-B	32-35	Nothing defined; leave columns blank.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																		
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Data set is an IBM modem (two-wire half duplex, enables on transmit).</td> </tr> <tr> <td>37</td> <td>4</td> <td>Break feature installed (feature code: 8200).</td> </tr> <tr> <td></td> <td>2</td> <td>One-character idle time deleted.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch installed.		4	Autocall installed.		1	Data set is an IBM modem (two-wire half duplex, enables on transmit).	37	4	Break feature installed (feature code: 8200).		2	One-character idle time deleted.
CARD COLUMN	HEX ENTRY																			
36	8	Two-processor/channel switch installed.																		
	4	Autocall installed.																		
	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).																		
37	4	Break feature installed (feature code: 8200).																		
	2	One-character idle time deleted.																		
D-10	38-45	Nothing defined; leave columns blank.																		
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.																		
	52	Enter a slash (/) to indicate end of CDS entry.																		

>> 2703 TRANSMISSION TERMINAL CONTROL IBM TYPE I WITH 2741 BREAK FEATURE

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			9	4	0	0	3		/				

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information).
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information).															
5	20-21	Feature code. Enter 09 to specify that the adapter is IBM Type I 2741 break feature.															
6-7	22-25	Class and type for 2703 TCU; enter: 4003.															
8	26-29	Nothing defined; leave columns blank.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			1
		Two-processor/channel switch installed. Autocall installed. Data set is an IBM modem (two-wire half duplex, enables on transmit).	
		37	4
			2
		Break feature installed (feature code: 8200). One-character idle time deleted.	
D-10	38-45	Nothing defined; leave columns blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

>> 2703 TRANSMISSION TERMINAL CONTROL IBM TYPE II

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	2	4	0			/				

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	
		19	4
			2
			1
		Nothing defined; leave column blank. Write only line (Refer to RPQ OLT writeup for RPQ features). Read only line (Refer to RPQ OLT writeup for RPQ features). RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 02 to specify that the adapter is IBM Type II.	

-----CDS CONTINUED ON NEXT PAGE-----

D99-CDSGA-20

CDS FILE CONTINUED													
CDS CORE BYTE	CARD COLUMN												
6-7	22-25	Class and type for 2703 TCU; enter: 4003.											
8	26-29	Columns not used; leave blank.											
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:											
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td rowspan="2">Device shared with another system. This device or its control unit has two-channel switch installed.</td> </tr> <tr> <td>31</td> <td>4</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system. This device or its control unit has two-channel switch installed.	31	4			
CARD COLUMN	HEX ENTRY												
30	4	Device shared with another system. This device or its control unit has two-channel switch installed.											
31	4												
A-B	32-35	Nothing defined; leave columns blank.											
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:											
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CARD COLUMN	HEX ENTRY												
36	8	Two-processor/channel switch installed.											
	4	Autocall installed.											
	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).											
37	2	One-character idle time deleted.											
D-10	38-45	Nothing defined; leave columns blank.											
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.											
	52	Enter a slash (/) to indicate end of CDS entry.											

>> 2703 TRANSMISSION CONTROL, TELEGRAPH CONTROL TYPE TTY I

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	4	4	0	0	3		/			

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	4
		19	2
			1
		Nothing defined; leave column blank. Write only line (Refer to RPQ OLT writeup for RPQ features). Read only line (Refer to RPQ OLT writeup for RPQ features). RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 04 to specify that the adapter is type TTY I.	
6-7	22-25	Class and type for 2703 TCU; enter: 4003.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			1
		37	8
			2
			1
		Two-processor/channel switch installed. Autocall installed. Data set is an IBM modem (two-wire half duplex, enables on transmit). Down shift on space feature installed. One-character idle time deleted. Alternate EOT installed.	
D-F	38-43	Nothing defined; leave columns blank.	
10	44-45	Enter alternate EOT character with alternate EOT feature installed. Otherwise leave column blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

>> 2703 TRANSMISSION CONTROL, TELEGRAPH TERMINAL CONTROL TYPE TTY II

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2	3
				0	5	4	0	0	3					/

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	
		19	8
		Nothing defined; leave column blank.	
		Transmit pad (DF) is active (EC307724).	
		4 Write only line (Refer to RPQ OLT writeup for RPQ features).	
		2 Read only line (Refer to RPQ OLT writeup for RPQ features).	
		1 RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.	
6-7	22-25	Class and type for 2703 TCU; enter: 4003.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system.	
		This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
		Two-processor/channel switch installed.	
		Autocall installed.	
		1 Data set is an IBM modem (two-wire half duplex, enables on transmit).	
		37 2 One-character idle time deleted.	
D-10	38-45	Nothing defined; leave columns blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

>> 2703 TRANSMISSION CONTROL, WORLD TRADE CORPORATION

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	6	4	0	0	3		/			

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information).			
CARD COLUMN	HEX ENTRY																			
18		Nothing defined; leave column blank.																		
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).																		
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).																		
	1	RPQ indicator (CDS contains RPQ information).																		
5	20-21	Feature code. Enter 06 to specify that the adapter is type 2703.																		
6-7	22-25	Class and type for 2703 TCU; enter: 4003.																		
8	26-29	Columns not used; leave blank.																		
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.									
CARD COLUMN	HEX ENTRY																			
30	4	Device shared with another system.																		
31	4	This device or its control unit has two-channel switch installed.																		
A-B	32-35	Nothing defined; leave columns blank.																		
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Data set is an IBM modem (two-wire half duplex, enables on transmit).</td> </tr> <tr> <td>37</td> <td>2</td> <td>One-character idle time deleted.</td> </tr> <tr> <td></td> <td>1</td> <td>Alternate EOT installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch installed.		4	Autocall installed.		1	Data set is an IBM modem (two-wire half duplex, enables on transmit).	37	2	One-character idle time deleted.		1	Alternate EOT installed.
CARD COLUMN	HEX ENTRY																			
36	8	Two-processor/channel switch installed.																		
	4	Autocall installed.																		
	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).																		
37	2	One-character idle time deleted.																		
	1	Alternate EOT installed.																		
D	38-39	Nothing defined; leave columns blank.																		
E	40-41	Enter the EOT character assigned by the customer in hex form of the transmission code.																		
F	42-43	Enter the EOB character assigned by the customer in hex form of the transmission code.																		

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
10	44-45	Enter alternate EOT character with alternate EOT feature. Otherwise leave columns blank.
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.
	52	Enter a slash (/) to indicate end of CDS entry.

>> 2703 TRANSMISSION CONTROL (BINARY SYNCHRONOUS ADAPTER SDA-II)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY			0	8	4	0	0	3			/		

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information).
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information).															
5	20-21	Feature code. Enter 08 to specify that the adapter is type SDA-II (BSA or BSC).															
6-7	22-25	Class and type for 2703 TCU; enter: 4003.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
A-B	32-35	Nothing defined; leave columns blank.															

-----CDS CONTINUED ON NEXT PAGE-----

CDS CORE BYTE		CARD COLUMN		CDS FILE CONTINUED	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:			
		CARD COLUMN	HEX ENTRY		
		36	8	Two-processor/channel switch installed.	
			4	Autocall is installed.	
			2	Station select installed.	
			1	PAD format check installed.	
		37	8	EBCDIC transmission code.	
			4	Transcode transmission code.	
			2	ASCII CRC transmission code.	
			1	ASCII LRC transmission code.	
D	38-39	Enter polling address character (in hex) if station-select feature is installed. Example: For the character G, enter C7.			
E	40-41	Enter select address character if station-select feature is installed. Example: For the character T, enter E3.			
F-10	42-45	Nothing defined; leave column blank.			
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.			
	52	Enter a slash (/) to indicate end of CDS entry.			

>> 2703/2702 TRANSMISSION CONTROL WITH LINE WRAP

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
	400			/									

CDS CORE BYTE		CARD COLUMN		LOCAL CDS FILE	
0-3	10-17	Line address right justified. Leading zeros can be omitted (the lowest line address on the 2703 or 2702).			
4	18-19	Model and feature code. None defined; leave columns blank.			
5	20-21	Feature code. None defined; leave columns blank.			
6-7	22-25	Class and type codes. Select one of the following:			
		HEX ENTRY			
		4002	For 2702 TCU		
		4003	For 2703 TCU		
8	26-29	Columns not used; leave blank.			

-----CDS CONTINUED ON NEXT PAGE-----

CDS CORE BYTE		CARD COLUMN	CDS FILE CONTINUED	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:		
		CARD COLUMN	HEX ENTRY	
		30	4	Device shared with another system. This device or its control unit has two-channel switch installed.
		31	4	
	32	Enter a slash (/) to indicate end of CDS entry.		

>> 2715 TRANSMISSION CONTROL UNIT

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			4	0	0	5			/				

CDS CORE BYTE		CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.		
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:		
		CARD COLUMN	HEX ENTRY	
		18		Nothing defined; leave column blank.
		19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).
			2	Read only line (Refer to RPQ OLT writeup for RPQ features).
			1	RPQ indicator (CDS contains RPQ information).
5	20-21	Feature code. Nothing defined; leave columns blank.		
6-7	22-25	Class and type for 2715; enter: 4005.		
8	26-29	Columns not used; leave blank.		

CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED			
CDS CORE BYTE	CARD COLUMN		
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
		37	
		Two-Processor/Channel Switch installed. Nothing defined; leave column blank.	
D-10	38-45	Nothing defined; leave columns blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

>> 2740 COMMUNICATION TERMINAL

If the customer is using the Network Control Program (NCP), refer to 3700 CDS to configure for 3700 OLTTS.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			4	2		B							

REMOTE CDS FILE			
CDS CORE BYTE	CARD COLUMN		
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	8
			4
			2
			1
		19	8
			4
		Record checking feature installed. Station control feature (Model 1) installed. Transmit control feature (Model 1) installed. Correspondence head installed (Model 1). Buffered receive feature installed (Model 2). Basic line control (no addressing or polling) installed.	

---CDS CONTINUED ON NEXT PAGE---

CDS FILE CONTINUED																		
CDS CORE BYTE	CARD COLUMN																	
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td></td> <td rowspan="2">Nothing defined; leave column blank. RPQ indicator.</td> </tr> <tr> <td>21</td> <td>1</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20		Nothing defined; leave column blank. RPQ indicator.	21	1								
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6-7	22-25	Class and type codes. Select one of the following: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>4204</td> <td>2740 Model 1</td> </tr> <tr> <td>4205</td> <td>2740 Model 2</td> </tr> </tbody> </table>	HEX ENTRY		4204	2740 Model 1	4205	2740 Model 2										
HEX ENTRY																		
4204	2740 Model 1																	
4205	2740 Model 2																	
8	26-29	Columns not used; leave blank.																
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank. Hex values with an asterisk (*) are mandatory: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td rowspan="2">Terminal shared with another system. This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td>31</td> <td>*8</td> </tr> <tr> <td></td> <td>4</td> <td rowspan="2">This control unit has a two-channel switch installed. This symbolic-named CDS entry is a FE/customer-assigned name.</td> </tr> <tr> <td></td> <td>*2</td> </tr> <tr> <td></td> <td>*1</td> <td>Terminal requires line connection in Executive activated.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Terminal shared with another system. This CDS entry is defined by a symbolic name in columns 36-43.	31	*8		4	This control unit has a two-channel switch installed. This symbolic-named CDS entry is a FE/customer-assigned name.		*2		*1	Terminal requires line connection in Executive activated.
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	*1	Terminal requires line connection in Executive activated.																
A-B	32-35	Nothing defined; leave columns blank.																
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.																
*****	*****	Extended fixed area. Required for this remote terminal. Refer to Extended Fixed Area (Section 5) for details.																
14	44-45	Enter the extended fixed area length count in hexadecimal: Enter 04 for nonswitched (private) lines. Enter 05 + N (N= number of dial digits) for switched lines. For example: With N = 5, columns 44-45 would contain 0A (5+5).																
15-16	46-49	Extended area flag bits. Enter as applicable; otherwise, leave blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>4</td> <td rowspan="2">Autocall is installed and is to be used in calling terminal. Communication link is a switched line.</td> </tr> <tr> <td></td> <td>2</td> </tr> <tr> <td></td> <td>1</td> <td>Communication link is a nonswitched multidrop line.</td> </tr> <tr> <td>47-49</td> <td></td> <td>Nothing defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	4	Autocall is installed and is to be used in calling terminal. Communication link is a switched line.		2		1	Communication link is a nonswitched multidrop line.	47-49		Nothing defined; leave columns blank.		
CARD COLUMN	HEX ENTRY																	
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	2																	
	1	Communication link is a nonswitched multidrop line.																
47-49		Nothing defined; leave columns blank.																

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED												
17	50-51	Line connection command sequence. Enter one of the following: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Terminal is attached to a 2701, 2703, or 2702 without SADX command.</td> </tr> <tr> <td>04</td> <td>Terminal is attached to a 2702 and requires SADZERO command.</td> </tr> <tr> <td>05</td> <td>Terminal is attached to a 2702 and requires SADONE command.</td> </tr> <tr> <td>06</td> <td>Terminal is attached to a 2702 and requires SADTWO command.</td> </tr> <tr> <td>07</td> <td>Terminal is attached to a 2702 and requires SADTHREE command.</td> </tr> </tbody> </table>	HEX ENTRY		01	Terminal is attached to a 2701, 2703, or 2702 without SADX command.	04	Terminal is attached to a 2702 and requires SADZERO command.	05	Terminal is attached to a 2702 and requires SADONE command.	06	Terminal is attached to a 2702 and requires SADTWO command.	07	Terminal is attached to a 2702 and requires SADTHREE command.
HEX ENTRY														
01	Terminal is attached to a 2701, 2703, or 2702 without SADX command.													
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05	Terminal is attached to a 2702 and requires SADONE command.													
06	Terminal is attached to a 2702 and requires SADTWO command.													
07	Terminal is attached to a 2702 and requires SADTHREE command.													
18	52-53	Enter the number of digits in the dial digit field (in hexadecimal) when communication link is a switched line (auto and manual dial).												
19 18+N	54- (53+ 2N)	Enter the dial digits of terminal. For example: For 38153, enter F3F8F1F5F3 or 0308010503 or " 3 8 1 5 3" in columns 54-63. NOTE: When the number of dial digits (N) = 0, leave columns blank.												
*****	*****	E1 = First card column following data entered in extended fixed area. NOTE: Without dial digits, E1 = column 52.												
	E1-E2	Enter the 2740 poll selection character from the following chart. Example: for character K, enter 45. Leave card columns blank if poll selection character is not specified.												
	E3	Enter a slash (/) to indicate end of CDS entry.												

REMOTE ADDRESS CHARACTER to HEXADECIMAL CONVERSION

Character-Hex	Character-Hex	Character-Hex
A 62	J 43	S 25
B 64	K 45	T 26
C 67	L 46	U 29
D 68	M 49	V 2A
E 6B	N 4A	W 2C
F 6D	O 47	X 2F
G 6E	P 4F	Y 31
H 70	Q 51	Z 32
I 73	R 52	

>> 2741 COMMUNICATION TERMINAL

If the customer is using the Network Control Program (NCP), refer to 3700 CDS to configure for 3700 OLTs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			4	2	0	6		B					

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:																		
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td>8</td> <td>Correspondence head installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Break interrupt feature installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Receive interrupt feature installed.</td> </tr> <tr> <td>19</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18	8	Correspondence head installed.		4	Break interrupt feature installed.		2	Receive interrupt feature installed.	19		Nothing defined; leave column blank.			
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CARD COLUMN	HEX ENTRY																			
20		Nothing defined; leave column blank.																		
21	1	RPQ indicator.																		
6-7	22-25	Class and type code for 2741; enter: 4206.																		
8	26-29	Columns not used; leave blank.																		
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank. Hex values with an asterisk (*) are mandatory.																		
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A-B	32-35	Nothing defined; leave columns blank.																		
C-13	36-43	Nothing defined; leave columns blank.																		

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED															
*****	*****	Extended fixed area. Required for this remote terminal. Refer to Extended Fixed Area (Section 5) for details.															
14	44-45	Enter the extended fixed area length count in hexadecimal: Enter 04 for nonswitched (private) lines. Enter 05 + N (N = number of dial digits) for switched lines. For example: With N = 5, columns 44-45 would contain 0A (5+5).															
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CARD COLUMN	HEX ENTRY																
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07	Terminal is attached to a 2702 and requires SADTHREE command.																
18	52-53	Enter the number of digits in the dial digit field (in hexadecimal) when the communication link is a switched line (auto and manual dial).															
19-18+N	54-(53+2N)	Enter the dial digits for the terminal. For example: For 38153, enter F3F8F1F5F3 or 0308010503 or " 3 8 1 5 3" in columns 54-63.															
	(54+2N)	Enter a slash (/) to indicate end of CDS entry. NOTE: When N=0, leave columns blank.															
*****	*****	E1 = First card column following data entered in extended fixed area. NOTE: Without dial digits, E1 = column 52.															
	E1	Enter a slash (/) to indicate end of CDS entry.															

>> 2760 OPTICAL IMAGE UNIT, DISPLAY SYSTEM

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	4209				B								

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. None defined; leave columns blank.	
5	20-21	Feature code. None defined; leave columns blank.	
6-7	22-25	Class and type code for 2760; enter: 4209.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable. Hex values with an asterisk (*) are mandatory.	
	CARD COLUMN	HEX ENTRY	
	30	4	Terminal shared with another system.
	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.
		4	This control unit has a two-channel switch installed.
		*2	This symbolic-named CDS entry is a FE/customer-assigned name.
		*1	Terminal requires line connection in Executive activated.
A-B	32-35	Nothing defined; leave columns blank.	
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.	
*****	*****	Extended fixed area. Required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details.	
14	44-45	Enter the extended fixed area length count in hexadecimal. Enter 04 for nonswitched (private) lines. Enter 05 + N (N = number of dial digits) for switched lines. For example: With N = 5, columns 44-45 would contain 0A (5+5).	
15-16	46-49	Extended area flag bits. Enter as applicable; otherwise, leave blank:	
	CARD COLUMN	HEX ENTRY	
	46	4	Autocall is installed and is to be used in calling terminal.
		2	Communication link is a switched line.
		1	Communication link is a nonswitched multidrop line.
	47-49		Nothing defined; leave columns blank.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
17	50-51	Line connection command sequence. Enter one of the following:	
		HEX ENTRY	
		01	Terminal is attached to a 2701, or 2703, or 2702 without SADX command.
		04	Terminal is attached to a 2702 and requires SADZERO command.
		05	Terminal is attached to a 2702 and requires SADONE command.
		06	Terminal is attached to a 2702 and requires SADTWO command.
		07	Terminal is attached to a 2702 and requires SADTHREE command.
18	52-53	Enter the number of digits in the dial digit field (in hexadecimal) when the communication link is a switched line (auto and manual dial).	
19- (18+N)	54- (53+ 2N)	Enter the dial digits of the terminal. For example: For 38153 enter F3F8F1F5F3 or 0308010503 or " 3 8 1 5 3" in columns 54-63.	
	(54+ 2N)	Enter a slash (/) to indicate end of CDS entry. NOTE: When N = 0, leave columns blank.	
*****	*****	E1 = First card column following data entered extended fixed area. NOTE: Without dial digits, E1 = column 52.	
	E1	Enter a slash (/) to indicate end of CDS entry.	

>> 2845/2265/1053 REMOTE DISPLAY SYSTEM

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	A	B	C
			4	2		A		0	4		/		

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	8
			4
			2
		19	8
			4

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
5	20-21	Feature code: Enter as applicable; otherwise, leave column(s) blank.	
		CARD COLUMN	HEX ENTRY
		20	
		21	1
		Nothing defined; leave column blank. 2845 has 15 lines attached.	
6-7	22-25	Class and type codes. Select one of the following:	
		HEX ENTRY	
		4213	2845/2265 remote display CDS entry.
		4208	2845/1053 printer CDS entry.
8	26-29	CDS byte count (calculated by SOSP), leave blank.	
9	30-31	Flags code. Enter as applicable. Hex values with an asterisk (*) are mandatory:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	*8
			4
		*2	
		Terminal shared with another system. This CDS entry is defined by a symbolic name in columns 36-43. This control unit has a two-channel switch installed. This symbolic-named CDS entry is a FE/customer-assigned name.	
A-B	32-35	Nothing defined; leave columns blank.	
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.	
*****	*****	Extended fixed area. Required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details. This field is predefined, enter as follows:	
14	44-45	Enter 04 for byte count of extended fixed area.	
15-17	46-51	Nothing defined; leave columns blank.	
18	52-53	Enter the 2845 addressing character, for example: 44.	
19	54-55	Enter the 2265 or 1053 addressing character, for example: A0.	
	56	Enter a slash (/) to indicate end of CDS entry.	

>> 2848/2260/1053 LOCAL DISPLAY SYSTEM

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																																															
0-3	10-17	Device address right justified. Leading zeros can be omitted.																																															
4	18-19	Model code. Enter as applicable; otherwise, leave columns blank: <table border="1"> <tr> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>10</td> <td>1053 or 2260</td> </tr> <tr> <td>11</td> <td>2260 Model 1</td> </tr> <tr> <td>12</td> <td>2260 Model 2</td> </tr> </table>	HEX ENTRY		10	1053 or 2260	11	2260 Model 1	12	2260 Model 2																																							
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11	2260 Model 1																																																
12	2260 Model 2																																																
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td rowspan="9">20</td> <td>1</td> <td>Line addressing installed.</td> </tr> <tr> <td>2</td> <td>Numeric keyboard installed.</td> </tr> <tr> <td>3</td> <td>Line addressing and numeric keyboard installed.</td> </tr> <tr> <td>4</td> <td>Alphameric keyboard installed.</td> </tr> <tr> <td>5</td> <td>Line addressing and alphameric keyboard installed.</td> </tr> <tr> <td>6</td> <td>Nondestructive cursor installed.</td> </tr> <tr> <td>7</td> <td>Line addressing and nondestructive cursor installed.</td> </tr> <tr> <td>8</td> <td>Numeric keyboard and nondestructive cursor installed.</td> </tr> <tr> <td>9</td> <td>Line addressing, numeric keyboard, and nondestructive installed.</td> </tr> <tr> <td rowspan="5">21</td> <td>A</td> <td>Alphameric keyboard and nondestructive cursor installed.</td> </tr> <tr> <td>B</td> <td>Line addressing, alphameric keyboard, and nondestructive cursor installed.</td> </tr> <tr> <td>C</td> <td>Data entry keyboard installed.</td> </tr> <tr> <td>D</td> <td>Data entry keyboard and line addressing installed.</td> </tr> <tr> <td>E</td> <td>Data entry keyboard and nondestructive cursor installed.</td> </tr> <tr> <td rowspan="5"></td> <td>F</td> <td>Data entry keyboard, line addressing, and nondestructive cursor installed.</td> </tr> <tr> <td>A</td> <td>2848 Display Control Model 1 with 240-character display.</td> </tr> <tr> <td>B</td> <td>2848 Display Control Model 2 with 480-character display.</td> </tr> <tr> <td>C</td> <td>2848 Display Control Model 3 with 960-character display.</td> </tr> <tr> <td>D</td> <td>2848 Display Control Model 21 with 240-character display.</td> </tr> <tr> <td></td> <td>E</td> <td>2848 Display Control Model 22 with 480-character display.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		20	1	Line addressing installed.	2	Numeric keyboard installed.	3	Line addressing and numeric keyboard installed.	4	Alphameric keyboard installed.	5	Line addressing and alphameric keyboard installed.	6	Nondestructive cursor installed.	7	Line addressing and nondestructive cursor installed.	8	Numeric keyboard and nondestructive cursor installed.	9	Line addressing, numeric keyboard, and nondestructive installed.	21	A	Alphameric keyboard and nondestructive cursor installed.	B	Line addressing, alphameric keyboard, and nondestructive cursor installed.	C	Data entry keyboard installed.	D	Data entry keyboard and line addressing installed.	E	Data entry keyboard and nondestructive cursor installed.		F	Data entry keyboard, line addressing, and nondestructive cursor installed.	A	2848 Display Control Model 1 with 240-character display.	B	2848 Display Control Model 2 with 480-character display.	C	2848 Display Control Model 3 with 960-character display.	D	2848 Display Control Model 21 with 240-character display.		E	2848 Display Control Model 22 with 480-character display.
CARD COLUMN	HEX ENTRY																																																
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	D	2848 Display Control Model 21 with 240-character display.																																															
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6-7	22-25	Class and type codes. Select one of the following: <table border="1"> <tr> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>1003</td> <td>2848/2260 local display CDS entry.</td> </tr> <tr> <td>1004</td> <td>2848/1053 printer CDS entry.</td> </tr> </table>	HEX ENTRY		1003	2848/2260 local display CDS entry.	1004	2848/1053 printer CDS entry.																																									
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1003	2848/2260 local display CDS entry.																																																
1004	2848/1053 printer CDS entry.																																																
8	26-29	Columns not used; leave columns blank.																																															

-----CDS CONTINUED ON NEXT PAGE-----

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has a two-channel switch installed.	
	32	Enter a slash (/) to indicate end of CDS entry.	

>> 2848/2260/1053 REMOTE DISPLAY SYSTEM

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			4	2	A		0	4		/			

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	8
			4
			2
		19	8
			4
		Write line address feature installed. This CDS entry is for 1053 printer, not for display. Nondestructive cursor feature installed. Alphameric keyboard installed. Numeric keyboard installed.	
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		20	
		21	4
			2
			1
		Nothing defined; leave column blank. 2848 Model 1. 2848 Model 2. 2848 Model 3.	
6-7	22-25	Class and type codes. Select one of the following:	
		HEX ENTRY	
		4207	2848/2260 remote display CDS entry.
		4208	2848/1053 printer CDS entry.
8	26-29	Columns not used; leave columns blank.	

CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED																	
CDS CORE BYTE	CARD COLUMN																
9	30-31	Flags code. Enter as applicable. Hex values with an asterisk (*) are mandatory:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Terminal is shared with another system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>4</td> <td>This control unit has a two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Terminal is shared with another system.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		4	This control unit has a two-channel switch installed.		*2	This symbolic-named CDS entry is a FE/customer-assigned name.
CARD COLUMN	HEX ENTRY																
30	4	Terminal is shared with another system.															
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.															
	4	This control unit has a two-channel switch installed.															
	*2	This symbolic-named CDS entry is a FE/customer-assigned name.															
A-B	32-35	Nothing defined; leave columns blank.															
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.															
*****	*****	Extended fixed area. Required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details. This field is predefined; enter as follows:															
14	44-45	Enter 04 for byte count of the extended fixed area.															
15-17	46-51	Nothing defined; leave columns blank.															
18	52-53	Enter the 2848 addressing character, for example: 44.															
19	54-55	Enter the 2260 or 1053 addressing character, for example: A0.															
	56	Enter a slash (/) to indicate end of CDS entry.															

>> 2947 CHECK COLLECTION CONTROLLER MODEL 4

For the check sorter (1419/2956) connection, refer to 1403 CDS layout for the 1403 attachment.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	8	1		/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	20	8 Batch numbering installed.
		4 Pocket counting installed.
		1 2956 attached.
	21	8 Pocket lights 1 through 6 installed.
		4 Pocket lights 7 through 12 installed.
		2 Pocket lights 13 through 18 installed.
		1 Pocket lights 19 through 24 installed.
6-7	22-25	Class and type code for 1419/2947, enter : 0814.
8-9	26-31	Nothing defined; leave columns blank.
A-B	32-35	Columns not used; leave blank.
C-D	36-39	Flags code extension. Enter as applicable; otherwise, leave blank:
	CARD COLUMN	HEX ENTRY
	36	8 Diagnostic mode available.
	37-38	Nothing defined; leave columns blank.
	39	2 United Kingdom code line.
		1 ABA code line.
	40	Enter a slash (/) to indicate end of CDS entry.

>> 2955 RETAIN/370 CONTROL UNIT (LOCAL)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	1	4	0	0	1		2			/

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. Enter 01.
6-7	22-25	Class and type code for 2955; enter: 4001.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
A-B	32-35	Nothing defined; leave columns blank.
C	36-37	2955 control unit features; enter: 21.
D-13	38-51	Nothing defined; leave columns blank.
	52	Enter a slash (/) to indicate end of CDS entry.

>> 2955 RETAIN/370 CONTROL UNIT (REMOTE)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			84	4204	0B	TPTCTEST	092	01					

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE										
0-3	10-17	Device address right justified. Leading zeros can be omitted.										
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>18</td> <td>*8</td> </tr> <tr> <td>19</td> <td>*4</td> </tr> </table> Record-checking feature installed. Basic line control installed.	CARD COLUMN	HEX ENTRY	18	*8	19	*4				
CARD COLUMN	HEX ENTRY											
18	*8											
19	*4											
5	20-21	Feature code. None defined; leave columns blank.										
6-7	22-25	Class and type for 2955; enter: 4204.										
8	26-29	Columns not used; leave blank.										
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>30</td> <td></td> </tr> <tr> <td>31</td> <td>*8</td> </tr> <tr> <td></td> <td>*2</td> </tr> <tr> <td></td> <td>*1</td> </tr> </table> Nothing defined; leave column blank. This CDS entry is defined by a symbolic name in columns 36-43. This symbolic-named CDS entry is a FE/customer-assigned name. Terminal requires line connection in Executive activated.	CARD COLUMN	HEX ENTRY	30		31	*8		*2		*1
CARD COLUMN	HEX ENTRY											
30												
31	*8											
	*2											
	*1											
A-B	32-35	Nothing defined; leave columns blank.										
C-13	36-43	Symbolic name; enter: TPTCTEST.										
14	44-45	Extended fixed area count; enter: 09.										
15-16	46-49	Extended area flag bits. Enter 2 (mandatory - communication link is a switched line) in column 46. Leave remaining columns blank.										
17	50-51	Line connection command sequence. Enter 01 (mandatory - terminal is attached to a 2701, or 2703, or 2702 without SADX command).										
18-1C	52-61	Nothing defined; leave column (s) blank.										
	62	Enter a slash (/) to indicate end of CDS entry.										

>> 2970 BANKING TERMINAL

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7															
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY														4	2	1	7											B

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	4
		19	8
			4
		Station control installed.	
		Buffered receiver (Model 8).	
		Basic 2970 (no addressing or polling).	
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		20	
		21	8
			1
		Nothing defined; leave column blank.	
		2970 Model 9	
		RPQ indicator.	
6-7	22-25	Class and type code for 2970; enter: 4217.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	*8
			4
			*2
			*1
		Terminal shared with another system.	
		This CDS entry is defined by a symbolic name in column 36-43.	
		This control unit has a two-channel switch installed.	
		This symbolic-named CDS entry is a FE/customer-assigned name.	
		Terminal requires line connection in Executive activated.	
A-B	32-35	Nothing defined; leave columns blank.	
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.	

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED															
*****	*****	Extended fixed area. Required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details.															
14	44-45	Enter the extended fixed area length count in hexadecimal: Enter 04 for nonswitched (private) lines. Enter 05 + N (N = number of dial digits) for switched lines. For example: With N = 5, columns 44-45 would contain 0A (5+5).															
15-16	46-49	Extended area flag bits. Enter as applicable; otherwise, leave columns blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>4</td> <td>Autocall is installed and is to be used in calling terminal.</td> </tr> <tr> <td></td> <td>2</td> <td>Communication link is a switched line.</td> </tr> <tr> <td></td> <td>1</td> <td>Communication link is a nonswitched multidrop line.</td> </tr> <tr> <td>47-49</td> <td></td> <td>Nothing defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	4	Autocall is installed and is to be used in calling terminal.		2	Communication link is a switched line.		1	Communication link is a nonswitched multidrop line.	47-49		Nothing defined; leave columns blank.
CARD COLUMN	HEX ENTRY																
46	4	Autocall is installed and is to be used in calling terminal.															
	2	Communication link is a switched line.															
	1	Communication link is a nonswitched multidrop line.															
47-49		Nothing defined; leave columns blank.															
17	50-51	Line connection command sequence. Select one of the following:															
		<table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Terminal is attached to a 2701, 2703, or 2702 without SADX command.</td> </tr> <tr> <td>04</td> <td>Terminal is attached to a 2702 and requires SADZERO command.</td> </tr> <tr> <td>05</td> <td>Terminal is attached to a 2702 and requires SADONE command.</td> </tr> <tr> <td>06</td> <td>Terminal is attached to a 2702 and requires SADTWO command.</td> </tr> <tr> <td>07</td> <td>Terminal is attached to a 2702 and requires SADTHREE command.</td> </tr> </tbody> </table>	HEX ENTRY		01	Terminal is attached to a 2701, 2703, or 2702 without SADX command.	04	Terminal is attached to a 2702 and requires SADZERO command.	05	Terminal is attached to a 2702 and requires SADONE command.	06	Terminal is attached to a 2702 and requires SADTWO command.	07	Terminal is attached to a 2702 and requires SADTHREE command.			
HEX ENTRY																	
01	Terminal is attached to a 2701, 2703, or 2702 without SADX command.																
04	Terminal is attached to a 2702 and requires SADZERO command.																
05	Terminal is attached to a 2702 and requires SADONE command.																
06	Terminal is attached to a 2702 and requires SADTWO command.																
07	Terminal is attached to a 2702 and requires SADTHREE command.																
18	52-53	Enter the number of digits in the dial digit field (in hexadecimal) when the communication link is a switched line (auto and manual dial).															
19	54 (53+2N)	Enter the dial digits of the terminal. For example: For 38153, enter F3F8F1F5F3 or 0308010503 or " 3 8 1 5 3" in columns 54-63. NOTE: When N (number of dial digits) = 0, leave columns blank.															
*****	*****	E1 = First card column following data entered in extended fixed area. NOTE: Without dial digits, E1 = column 52.															
	E1	Enter the polling character of the terminal in hexadecimal. For example: for A, enter hex 62 in columns 52-53.															
	E3	Enter a slash (/) to indicate end of CDS entry.															

>> 2972 STATION CONTROL UNIT, MODELS 8 AND 11 (FIRST OF THREE CDS CARDS)

NOTE: If the customer is using the Network Control Program (NCP), refer to 3700 CDS to configure for 3700 OLTTs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			1	4	2	1	5		B			0	6

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE																					
0-3	10-17	Device address right justified. Leading zeros can be omitted.																					
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank. Hex entries with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td>8</td> <td>Line code is EBCDIC.</td> </tr> <tr> <td>19</td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18	8	Line code is EBCDIC.	19	*1	RPQ indicator (CDS contains RPQ information).												
CARD COLUMN	HEX ENTRY																						
18	8	Line code is EBCDIC.																					
19	*1	RPQ indicator (CDS contains RPQ information).																					
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>2972-11</td> </tr> <tr> <td></td> <td>4</td> <td>96 characters.</td> </tr> <tr> <td></td> <td>2</td> <td>IRS option installed.</td> </tr> <tr> <td></td> <td>1</td> <td>EOT to select.</td> </tr> <tr> <td>21</td> <td>8</td> <td>RVI to select.</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	2972-11		4	96 characters.		2	IRS option installed.		1	EOT to select.	21	8	RVI to select.		1	RPQ indicator.
CARD COLUMN	HEX ENTRY																						
20	8	2972-11																					
	4	96 characters.																					
	2	IRS option installed.																					
	1	EOT to select.																					
21	8	RVI to select.																					
	1	RPQ indicator.																					
6-7	22-25	Class and type code for 2972-8 and 2972-11; enter: 4215.																					
8	26-29	Columns not used; leave blank.																					
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Terminal shared with another system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>4</td> <td>This control unit has a two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name.</td> </tr> <tr> <td></td> <td>*1</td> <td>Terminal requires line connection in Executive activated.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Terminal shared with another system.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		4	This control unit has a two-channel switch installed.		*2	This symbolic-named CDS entry is a FE/customer-assigned name.		*1	Terminal requires line connection in Executive activated.			
CARD COLUMN	HEX ENTRY																						
30	4	Terminal shared with another system.																					
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.																					
	4	This control unit has a two-channel switch installed.																					
	*2	This symbolic-named CDS entry is a FE/customer-assigned name.																					
	*1	Terminal requires line connection in Executive activated.																					
A-B	32-35	Nothing defined; leave columns blank.																					
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.																					

---CDS CONTINUED ON NEXT PAGE---

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
*****	*****	Extended fixed area. Required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details.	
14	44-45	Byte count of extended fixed area; enter: 06.	
15-16	46-49	Extended area flag bits. Enter as applicable; otherwise, leave blank:	
		CARD COLUMN	HEX ENTRY
		46	8 Two-byte SET MODE data present in columns 52-55. 4 Autocall installed. 2 Switched line installed. 1 Nonswitched multidrop line installed.
		47-49	Nothing defined; leave columns blank.
17	50-51	Line connection sequence. Enter as applicable:	
		HEX ENTRY	
		00	Bypass issuing line connection.
		01	DISABLE, ENABLE, or DIAL.
		02	DISABLE, SET MODE for SDA-1, ENABLE, or DIAL.
		03	DISABLE, SET MODE for SDA-2 (BSC). ENABLE or DIAL.
		04	DISABLE, SADZERO, ENABLE, or DIAL.
		05	DISABLE, SADONE, ENABLE, or DIAL.
		06	DISABLE, SADTWO, ENABLE, or DIAL.
		07	DISABLE, SADTHREE, ENABLE, or DIAL.
18-19	52-55	SET MODE command.	
1A	56-57	Number of dial digits (00).	
1B	58-59	Enter the SCU address.	
		NOTE: The following columns (grouped in columns of eight) are used to define 2972 units on the communication link.	
1C-1F	60-67	First 2972 unit:	
		CARD COLUMN	HEX ENTRY
		60	8 Validate buffer. 4 Buffer only (no terminal). 2 2980-1 attached. 1 2890-2 attached.
		61	8 2980-4 attached.
		62-63	Enter station number.
		64-65	Enter station address.
		66-67	Enter passbook address.
20-21	68-71	Second 2972 unit. Repeat data as in columns 60-63.	
	72	Enter an asterisk (*) for continuation on next card.	

>> 2972 STATION CONTROL UNIT, MODELS 8 AND 11 (SECOND OF THREE CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
22-23	16-19	Second 2972 unit (continued). Repeat data as in columns 64-67 of first card.
24-27	20-27	Third 2972 unit. Repeat data as in columns 60-67 of first card.
28-2B	28-35	Fourth 2972 unit. Repeat data as in columns 60-67 of first card.
2C-2F	36-43	Fifth 2972 unit. Repeat data as in columns 60-67 of first card.
30-33	44-51	Sixth 2972 unit. Repeat data as in columns 60-67 of first card.
34-37	52-59	Seventh 2972 unit. Repeat data as in columns 60-67 of first card.
38-3B	60-67	Eighth 2972 unit. Repeat data as in columns 60-67 of first card.
3C-3D	68-71	Ninth 2972 unit. Repeat data as in columns 60-63 of first card.
	72	Enter an asterisk (*) for continuation on next card.

>> 2972 STATION CONTROL UNIT, MODELS 8 AND 11 (THIRD OF THREE CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
3E-3F	16-19	Ninth 2972 unit (continued). Repeat data as in columns 64-67 of first card.
40-43	20-27	Tenth 2972 unit. Repeat data as in columns 60-67 of first card.
		Enter a slash after last entry to indicate end of CDS entry. For example: if three 2972 units, enter the slash in column 28 of the third CDS card.

>> 3032 CPU LOGOUT ANALYSIS PROGRAM (LOA)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	
ENTRY			3	1	3	2		8		LOA	3	1	3	/

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE								
0-3	10-17	Nothing defined; leave columns blank.								
4-5	18-21	Model and Feature code. None defined: Leave columns blank.								
6-7	22-25	Class and type code for 3032; enter: 3132.								
8	26-29	Columns not used; leave blank.								
9	30-31	Flags code. Hex value with an asterisk (*) are mandatory.								
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td rowspan="2">Nothing defined: leave column blank. This CDS entry is defined by a symbolic name in columns 36-43</td> </tr> <tr> <td>31</td> <td>*8</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		Nothing defined: leave column blank. This CDS entry is defined by a symbolic name in columns 36-43	31	*8
CARD COLUMN	HEX ENTRY									
30		Nothing defined: leave column blank. This CDS entry is defined by a symbolic name in columns 36-43								
31	*8									
A-B	32-35	columns not used: leave blank.								
C-D	36-43	Symbolic name. Enter LOA3132 for 3032 LOA.								
	44	Enter a slash (/) to indicate end of CDS entry.								

* >> 3033 CPU ERROR ANALYSIS MODULES (EAM)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
* ENTRY			3	1	3	3	8	EAM	3	0	3	3	/

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Nothing defined; leave columns blank.									
4-5	18-21	Model and Feature code. None defined: Leave columns blank.									
6-7	22-25	Class and type code for 3033; enter: 3133.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Hex value with an asterisk (*) are mandatory.									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td>Nothing defined: leave column blank.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		Nothing defined: leave column blank.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43
CARD COLUMN	HEX ENTRY										
30		Nothing defined: leave column blank.									
31	*8	This CDS entry is defined by a symbolic name in columns 36-43									
A-B	32-35	Columns not used: leave blank.									
* C-D	36-43	Symbolic name. Enter EAM3033 for 3033 EAM.									
	44	Enter a slash (/) to indicate end of CDS entry.									
*		NOTE: CDS for the 7443 (SRF) is also required for T3033EAM. See 7443 CDS in this guide.									

>> 3036 DISPLAY CONSOLE FOR MODEL 303X

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	1008 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and Feature code. None defined: leave columns blank.
6-7	22-25	Class and type code for 3036; enter: 1008.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None defined; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3060 DISPLAY CONSOLE FOR MODEL 195

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	31651002 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. Enter: 31.
5	20-21	Feature code. Enter: 65.
6-7	22-25	Class and type code for 3060; enter: 1002.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None defined; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

* >> 3066 SYSTEM CONSOLE FOR SYSTEM/370 MODEL 165 AND 168

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			3	1	4	5	1	0	0	7			

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. Enter: 31.
5	20-21	Feature code. Enter: 45.
6-7	22-25	Class and type code for 3066; enter: 1007.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None defined; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3135/3138 4640 INTEGRATED COMMUNICATIONS ADAPTER IBM TYPE I

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	1	4	0	0	7					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted. See NOTE 1.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. Enter 01 to specify that the adapter is IBM Type I.
6-7	22-25	Class and type for 135/ICA TAI (IBM-I); enter: 4007.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None defined; leave columns blank.
A-B	32-35	Columns not used; leave blank.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
C-D	36-39	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	4
			2
			1
		37	8
		38	4
		39	
		Autocall is installed.	
		Communication line is a switched line.	
		Data set is an IBM modem (two-wire half duplex).	
		Data set is a WTC modem (3976/3977).	
		Unit exception suppression.	
		Nothing defined; leave column blank.	
E-13	40-51	Columns not used; leave blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

NOTE 1: To run the 3135 ICA OLT under OLTEP, enter 8 in column 15. This defines the ICA line to the Operating System as being on Channel 8. The Microcode runs the Diagnostics on Channel 0.

The 3135 Microcode must be at EC 142804 or higher to run the Diagnostics under OLTEP using the Channel 8 address.

>> 3135/3138 4640 INTEGRATED COMMUNICATIONS ADAPTER IBM TYPE III

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	3	4	0	0	7		/			

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted. See NOTE 1.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	
		19	4
			2
			1
		Nothing defined; leave column blank.	
		Write only line (Refer to RPQ OLT writeup for RPQ features).	
		Read only line (Refer to RPQ OLT writeup for RPQ features).	
		RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 03 to specify that the adapter is IBM Type III.	
6-7	22-25	Class and type for 3135/4640 TA3; enter: 4007.	

CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED			
CDS CORE BYTE	CARD COLUMN		
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30 31	4 4
A-B	32-35	Columns not used; leave blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank.	
		CARD COLUMN	HEX ENTRY
		36 37	8 4
D-10	38-45	Columns not used; leave blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

NOTE 1: To run the 3135 ICA OLT under OLTEP, enter 8 in column 15. This defines the ICA line to the Operating System as being on Channel 8. The Microcode runs the Diagnostics on Channel 0.

The 3135 Microcode must be at EC 142804 or higher to run the Diagnostics under OLTEP using the Channel 8 address.

>> 3135/3138 4640 INTEGRATED COMMUNICATIONS ADAPTER TYPE SDA II

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7															
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY	084007														/													

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																					
0-3	10-17	Device address right justified. Leading zeros can be omitted. See NOTE 1.																					
4	18-19	Model code. None defined; leave columns blank.																					
5	20-21	Feature code. Enter 08 to specify that the adapter is SDA-II (BSA or BSC).																					
6-7	22-25	Class and type code for 135/ICA SDA II; enter: 4007.																					
8	26-29	Columns not used; leave blank.																					
9	30-31	Flags code. None defined; leave columns blank.																					
A-B	32-35	Columns not used; leave blank.																					
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>4</td> <td>Autocall installed.</td> </tr> <tr> <td>37</td> <td>8</td> <td>Tributary station selection is installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Dual code is installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	4	Autocall installed.	37	8	Tributary station selection is installed.		4	Dual code is installed.									
CARD COLUMN	HEX ENTRY																						
36	4	Autocall installed.																					
37	8	Tributary station selection is installed.																					
	4	Dual code is installed.																					
D	38-39	Code A interface. Enter as applicable; otherwise, leave column(s) blank. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>38</td> <td>2</td> <td>Code has transparent mode.</td> </tr> <tr> <td></td> <td>1</td> <td>Code has tributary station selection.</td> </tr> <tr> <td>39</td> <td>8</td> <td>EBCDIC transmission code.</td> </tr> <tr> <td></td> <td>4</td> <td>Transcode transmission code.</td> </tr> <tr> <td></td> <td>2</td> <td>ASCII CRC transmission code.</td> </tr> <tr> <td></td> <td>1</td> <td>ASCII LRC transmission code.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		38	2	Code has transparent mode.		1	Code has tributary station selection.	39	8	EBCDIC transmission code.		4	Transcode transmission code.		2	ASCII CRC transmission code.		1	ASCII LRC transmission code.
CARD COLUMN	HEX ENTRY																						
38	2	Code has transparent mode.																					
	1	Code has tributary station selection.																					
39	8	EBCDIC transmission code.																					
	4	Transcode transmission code.																					
	2	ASCII CRC transmission code.																					
	1	ASCII LRC transmission code.																					
E	40-41	Code A polling character decode. Enter as applicable, if the Tributary Station Feature is installed; <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>89</td> <td>ASCII</td> </tr> <tr> <td>09</td> <td>Others</td> </tr> </tbody> </table>	HEX ENTRY		89	ASCII	09	Others															
HEX ENTRY																							
89	ASCII																						
09	Others																						
F	42-43	Code B definition. Same as for columns 38-39.																					

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED						
10	44-45	Code B polling character decode. Enter as applicable, if the Tributary Station Feature is installed; <table border="1"> <tr> <td>HEX ENTRY</td> <td></td> </tr> <tr> <td>89</td> <td>ASCII</td> </tr> <tr> <td>09</td> <td>Others</td> </tr> </table>	HEX ENTRY		89	ASCII	09	Others
HEX ENTRY								
89	ASCII							
09	Others							
11-13	46-51	Columns not used; leave blank.						
	52	Enter a slash (/) to indicate end of CDS entry.						

NOTE 1: To run the 3135 ICA OLT under OLTEP, enter 8 in column 15. This defines the ICA line to the Operating System as being on Channel 8. The Microcode runs the Diagnostics on Channel 0.

The 3135 Microcode must be at EC 142804 or higher to run the Diagnostics under OLTEP using the Channel 8 address.

* * * * * CAUTION * * * * *

Do NOT run the 2700 OLTS under OLTSEP using the Channel 8 address. Continuous error printout will occur.

>> 3135/3138 4640 INTEGRATED COMMUNICATIONS ADAPTER TYPE TTY II

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	5	4	0	0	7		/			

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE												
0-3	10-17	Device address right justified. Leading zeros can be omitted. See NOTE 1.												
4	18-19	Model code. None defined; leave columns blank.												
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.												
6-7	22-25	Class and type code for 135/ICA TTY II; enter: 4007.												
8	26-29	Columns not used; leave blank.												
9	30-31	Flags code. None defined; leave columns blank.												
A-B	32-35	Columns not used; leave blank.												
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave columns blank:												
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>4</td> <td>Autocall is installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Communication line is a switched line.</td> </tr> <tr> <td>37</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	4	Autocall is installed.		2	Communication line is a switched line.	37		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY													
36	4	Autocall is installed.												
	2	Communication line is a switched line.												
37		Nothing defined; leave column blank.												
D-10	38-45	Columns not used; leave blank.												
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.												
	52	Enter a slash (/) to indicate end of CDS entry.												

NOTE 1: To run the 3135 ICA OLT under OLTEP, enter 8 in column 15. This defines the ICA line to the Operating System as being on Channel 8. The Microcode runs the Diagnostics on Channel 0.

The 3135 Microcode must be at EC 142804 or higher to run the Diagnostics under OLTEP using the Channel 8 address.

>> 3135/3138 4640 INTEGRATED COMMUNICATIONS ADAPTER DOWNLINE TERMINAL TYPE TTY II

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			4	2	0	C		B			/		

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted. See NOTE 1.															
4-5	18-21	Model and feature code. None defined; leave columns blank.															
6-7	22-25	Class and type code for TTY II terminal; enter: 420C.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank. Columns with an asterisk (*) are mandatory: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic named CDS entry is a FE/customer-assigned name.</td> </tr> <tr> <td></td> <td>*1</td> <td>Terminal requires line connection in Executive activated.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		Nothing defined; leave column blank.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		*2	This symbolic named CDS entry is a FE/customer-assigned name.		*1	Terminal requires line connection in Executive activated.
CARD COLUMN	HEX ENTRY																
30		Nothing defined; leave column blank.															
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.															
	*2	This symbolic named CDS entry is a FE/customer-assigned name.															
	*1	Terminal requires line connection in Executive activated.															
A-B	32-35	Flags code extension. Nothing defined; leave columns blank.															
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry. For example: "MIAMI".															
14	44-45	Enter the extended fixed area length count in hexadecimal: Enter 03 for nonswitched TP line (no dial digits present). Enter 04 + N (N = number of dial digits) for switched TP line. Ex: For seven dial digits punch 0B (4+7).															
15-16	46-49	Extended area flag bits. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>4</td> <td>Autocall is installed and is to be used in calling terminal.</td> </tr> <tr> <td></td> <td>2</td> <td>Communication link is a switched line.</td> </tr> <tr> <td>47-49</td> <td></td> <td>Nothing defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	4	Autocall is installed and is to be used in calling terminal.		2	Communication link is a switched line.	47-49		Nothing defined; leave columns blank.			
CARD COLUMN	HEX ENTRY																
46	4	Autocall is installed and is to be used in calling terminal.															
	2	Communication link is a switched line.															
47-49		Nothing defined; leave columns blank.															
17	50-51	Line command sequence. Enter 01 for Disable, Enable, or Dial.															

---CDS CONTINUED ON NEXT PAGE---

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
*****	*****	Leased Line.
18	52-53	Columns not used; leave blank.
19	54	Enter a slash (/) to indicate end of leased line CDS entry.
*****	*****	Switched Line.
18	52-53	Enter the number of digits in the dial digit field (in hexadecimal) when the communication link is a switched line (auto or manual dial).
19 (18+N)	54 (53+ 2N)	Enter the dial digits of the terminal. For example: For 38153 enter F3F8F1F5F3 or 0308010503 or " 3 8 1 5 3" in columns 54-63.
	(54+ 2N)	Enter a slash (/) to indicate end of switched line CDS entry.

NOTE 1: To run the 3135 ICA OLT under OLTEP, enter 8 in column 15. This defines the ICA line to the Operating System as being on Channel 8. The Microcode runs the Diagnostics on Channel 0.

The 3135 Microcode must be at EC 142804 or higher to run the Diagnostics under OLTEP using the Channel 8 address.

* >> 3150 CTCA OR 3088 MCCU

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

4100 /

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code.	
		CARD COLUMN	HEX ENTRY
		18 19	0 1
Must be zero. CTCA is installed on S/370, 303X, 31XX(not 2860), 43XX, 308X or 3088 MCCU. (If 2860, leave column blank)			
5	20-21	Feature code.	
		CARD COLUMN	HEX ENTRY
		20	1
		21	8
		4 2 1	2 1
CTCA is S/370 and plugged for DATA IN/OUT. If CTCA is in 308X/43XX family of Processors. If a 3088 MCCU normal device address, NOT data streaming. If a 3088 MCCU Diagnostic Unit Address. If this 3088 address is a Data Streaming Address. If the other/complement/paired 3088 address is a Data Streaming Address. Note: If both Data Stream then a 3 is required.			
6-7	22-25	Class and type code. Enter '4100'.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code.	
		CARD COLUMN	HEX ENTRY
		30 31	4 0
If CTCA is shared with another system. Must be zero.			
	32	Enter a slash (/) to indicate end of CDS entry.	

>> 3155/3158 CPU LOGOUT ANALYSIS PROGRAMS

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			3	1	5	X		8		L	O	A	3

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Nothing defined; leave columns blank.									
4-5	18-21	Model and feature code. None defined; leave columns blank.									
6-7	22-25	Class and type codes. Select one of the following: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>3155</td> <td>For 3155 LOA</td> </tr> <tr> <td>3158</td> <td>For 3158 LOA</td> </tr> </tbody> </table>	HEX ENTRY		3155	For 3155 LOA	3158	For 3158 LOA			
HEX ENTRY											
3155	For 3155 LOA										
3158	For 3158 LOA										
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank. Hex values with an asterisk (*) are mandatory: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This entry is defined by a symbolic name in columns 36-43.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		Nothing defined; leave column blank.	31	*8	This entry is defined by a symbolic name in columns 36-43.
CARD COLUMN	HEX ENTRY										
30		Nothing defined; leave column blank.									
31	*8	This entry is defined by a symbolic name in columns 36-43.									
A-B	32-35	Columns not used; leave blank.									
C-13	36-43	Symbolic name. Enter either LOA31550 for 3155 LOA, or LOA31580 for 3158 LOA.									
	44	Enter a slash (/) to indicate end of CDS entry.									

>> 3165/3168 CPU LOGOUT ANALYSIS PROGRAM

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7															
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY	316X				8	LOA316X0/																						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Nothing defined; leave columns blank.									
4-5	18-21	Model and feature code. None defined; leave columns blank.									
6-7	22-25	Class and type codes. Select one of the following: <table border="1"> <tr> <td>HEX ENTRY</td> <td></td> </tr> <tr> <td>3165</td> <td>For 3165 LOA</td> </tr> <tr> <td>3168</td> <td>For 3168 LOA</td> </tr> </table>	HEX ENTRY		3165	For 3165 LOA	3168	For 3168 LOA			
HEX ENTRY											
3165	For 3165 LOA										
3168	For 3168 LOA										
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank. Hex values with an asterisk (*) are mandatory: <table border="1"> <tr> <td>CARD COLUMN</td> <td>HEX ENTRY</td> <td></td> </tr> <tr> <td>30</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30		Nothing defined; leave column blank.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.
CARD COLUMN	HEX ENTRY										
30		Nothing defined; leave column blank.									
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.									
A-B	32-35	Columns not used; leave blank.									
C-13	36-43	Symbolic name. Enter either LOA31650 for 3165 LOA, or LOA31680 for 3168 LOA.									
	44	Enter a slash (/) to indicate end of CDS entry.									

* >> 3168 SERVICE RECORD FILE (SRF)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	1	0	2	0	5			2	1	/

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. (must be odd address) Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. Enter 01.
6-7	22-25	Class and type code; enter: 0205.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
A-B	32-35	Nothing defined; leave columns blank.
C	36-37	Control unit feature; enter: 21.
D-13	38-51	Nothing defined; leave columns blank.
	52	Enter a slash (/) to indicate end of CDS entry.

>> 3203-5 PRINTER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY		0	0	9	0	0	0	5	0	8	5	0	

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code; enter: '0005'
6-7	22-25	Class and type code for 3203-5; enter: '0850'
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	36	Enter a slash (/) to indicate end of CDS entry.

>> 3210 CONSOLE PRINTER-KEYBOARD

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	8	3	3							

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 3210; enter: 0833.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3211/3811 PRINTER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			080	/									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																										
0-3	10-17	Device address right justified. Leading zeros can be omitted.																										
4	18-19	Model code. None defined; leave columns blank.																										
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:																										
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>4</td> <td rowspan="2">150 print positions installed.</td> </tr> <tr> <td></td> <td>2</td> </tr> <tr> <td></td> <td></td> <td>Burst mode bit. This bit must be set when:</td> </tr> <tr> <td></td> <td></td> <td>1) Control program is a standalone such as OLTSEP.</td> </tr> <tr> <td></td> <td></td> <td>2) 3811/3211 printer subsystem is attached to a selector channel or selector subchannel.</td> </tr> <tr> <td></td> <td></td> <td>3) 3811/3211 printer subsystem is attached to a multiplexer channel and (a) an unbuffered device, such as a 2501 reader, is on the same multiplex channel and is not being used, and (b) teleprocessing equipment is on the same multiplex channel and is not subject to requesting service.</td> </tr> <tr> <td></td> <td>1</td> <td>Bit must be on for machines manufactured in WTC. Serial No. = 56-xxxx).</td> </tr> <tr> <td></td> <td>21</td> <td>4 Optical character reader (OCR) feature installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	4	150 print positions installed.		2			Burst mode bit. This bit must be set when:			1) Control program is a standalone such as OLTSEP.			2) 3811/3211 printer subsystem is attached to a selector channel or selector subchannel.			3) 3811/3211 printer subsystem is attached to a multiplexer channel and (a) an unbuffered device, such as a 2501 reader, is on the same multiplex channel and is not being used, and (b) teleprocessing equipment is on the same multiplex channel and is not subject to requesting service.		1	Bit must be on for machines manufactured in WTC. Serial No. = 56-xxxx).		21	4 Optical character reader (OCR) feature installed.
CARD COLUMN	HEX ENTRY																											
20	4	150 print positions installed.																										
	2																											
		Burst mode bit. This bit must be set when:																										
		1) Control program is a standalone such as OLTSEP.																										
		2) 3811/3211 printer subsystem is attached to a selector channel or selector subchannel.																										
		3) 3811/3211 printer subsystem is attached to a multiplexer channel and (a) an unbuffered device, such as a 2501 reader, is on the same multiplex channel and is not being used, and (b) teleprocessing equipment is on the same multiplex channel and is not subject to requesting service.																										
	1	Bit must be on for machines manufactured in WTC. Serial No. = 56-xxxx).																										
	21	4 Optical character reader (OCR) feature installed.																										
6-7	22-25	Class and type codes. Select one of the following:																										
		<table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>080C</td> <td>3811/3211 Stage 1 installed.</td> </tr> <tr> <td>080E</td> <td>3811/3211 Stage 2 installed.</td> </tr> </tbody> </table>	HEX ENTRY		080C	3811/3211 Stage 1 installed.	080E	3811/3211 Stage 2 installed.																				
HEX ENTRY																												
080C	3811/3211 Stage 1 installed.																											
080E	3811/3211 Stage 2 installed.																											
8	26-29	Columns not used; leave blank.																										
9	30-31	Flags code. None applicable; leave columns blank.																										
	32	Enter a slash (/) to indicate end of CDS entry.																										

>> 3250 DISPLAY UNIT

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			1	0	1	2	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined; leave columns blank.															
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>4</td> <td>Alphanumeric Keyboard.</td> </tr> <tr> <td></td> <td>2</td> <td>Light pen.</td> </tr> <tr> <td></td> <td>1</td> <td>Program Function Keyboard.</td> </tr> <tr> <td>21</td> <td>4</td> <td>Blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	4	Alphanumeric Keyboard.		2	Light pen.		1	Program Function Keyboard.	21	4	Blank.
CARD COLUMN	HEX ENTRY																
20	4	Alphanumeric Keyboard.															
	2	Light pen.															
	1	Program Function Keyboard.															
21	4	Blank.															
6-7	22-25	Class and type for 3250; enter: 1012.															
8-9	30-31	Columns not used, leave blank.															
	32	Enter a slash (/) to indicate end of CDS entry.															

>> 3270 INFORMATION DISPLAY SYSTEM (LOCAL) 3272

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			4	8	0		1	0	0	8			/

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED		
5	20-21	Feature code. None defined; leave columns blank.		
6-7	22-25	Class and type code for 3270 local; enter: 1008.		
8	26-29	Columns not used; leave blank.		
9	30-31	Flags code. None applicable; leave columns blank.		
A-B	32-35	Columns not used; leave blank.		
C	36-37	Device and control unit descriptors. Enter as applicable; otherwise leave column(s) blank:		
		CARD COLUMN	HEX ENTRY	
		36	8 4	Device is a 3277 display station. Device is a buffered printer.
		37	8 4	Device has 480-character buffer, not 1920. Control unit has 480-character buffer, not 1920.
D-E	38-41	General features. Enter as applicable; otherwise, leave column(s) blank.		
		CARD COLUMN	HEX ENTRY	
		38	4 1	APL feature installed. Magnetic card reader (operator identification CR) installed.
		39	8 2	Katakana feature installed. Selector light pen attached.
		40	1 8	Keyboard attached. RPQ (8T0093) Model 129 Card Data Recorder attachment.
		41		Nothing defined; leave column blank.
F-10	42-45	Miscellaneous features.		
		CARD COLUMN	HEX ENTRY	
		42		Nothing defined.
		43		Nothing defined.
		44	4	Signature display feature RPQ (8K0438) for domestic users; (7U0010) for WTC.
45	2	Multiple field image display feature RPQ (MF3288). Nothing defined.		
11-14	46-53	Enter lowest channel and unit base address assigned to the control unit, right aligned. Leading zeros can be omitted.		
15	54-55	Enter the number of contiguous device addresses assigned to the control unit. For example: For thirty-two device addresses, enter hex 20. When running online, this number must be equal to the number of local 3270 devices defined at system generation time.		
16-18	56-61	Columns not used; leave blank.		
19	62-63	Reserved; Leave blank.		
	64	Enter a slash (/) to indicate end of CDS entry.		

0001 0000

10

32

0010 0000

20

>> 3270 INFORMATION DISPLAY SYSTEM (REMOTE BI-SYNC, FIRST OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			4	2	1	6		B		8		0	3
													*

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE																					
0-3	10-17	Device address right justified. Leading zeros can be omitted.																					
4	18-19	Model code. None defined; leave columns blank.																					
5	20-21	Feature code. None defined; leave columns blank.																					
6-7	22-25	Class and type code for 3270 remote; enter: 4216.																					
8	26-29	Columns not used; leave blank.																					
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank. Hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>TCU shared with another system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>4</td> <td>This control unit has a two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name.</td> </tr> <tr> <td></td> <td>*1</td> <td>Terminal requires line connection in Executive activated.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	TCU shared with another system.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		4	This control unit has a two-channel switch installed.		*2	This symbolic-named CDS entry is a FE/customer-assigned name.		*1	Terminal requires line connection in Executive activated.			
CARD COLUMN	HEX ENTRY																						
30	4	TCU shared with another system.																					
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.																					
	4	This control unit has a two-channel switch installed.																					
	*2	This symbolic-named CDS entry is a FE/customer-assigned name.																					
	*1	Terminal requires line connection in Executive activated.																					
A-B	32-35	Columns not used; leave blank.																					
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry. The entry must start with an alphabetic character and be left-justified.																					
*****	*****	Extended fixed area. Required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details.																					
14	44-45	Extended fixed area byte count. For leased line, enter 06. For dial, enter 07 plus number of dial digits.																					
15-16	46-49	Extended area flag bits. Enter as applicable, hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>*8</td> <td>Two-byte SET MODE data is present in card columns 52-55.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall feature (dial) installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Switched line (dial) installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Communication link is a leased line.</td> </tr> <tr> <td>47</td> <td>8</td> <td>World Trade answer tone required.</td> </tr> <tr> <td>48-49</td> <td></td> <td>Nothing defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	*8	Two-byte SET MODE data is present in card columns 52-55.		4	Autocall feature (dial) installed.		2	Switched line (dial) installed.		1	Communication link is a leased line.	47	8	World Trade answer tone required.	48-49		Nothing defined; leave columns blank.
CARD COLUMN	HEX ENTRY																						
46	*8	Two-byte SET MODE data is present in card columns 52-55.																					
	4	Autocall feature (dial) installed.																					
	2	Switched line (dial) installed.																					
	1	Communication link is a leased line.																					
47	8	World Trade answer tone required.																					
48-49		Nothing defined; leave columns blank.																					

CDS CONTINUED ON NEXT PAGE

		CDS FILE CONTINUED	
CDS CORE BYTE	CARD COLUMN		
17	50-51	Line connection command sequence code. Enter 03 for DISABLE, SET MODE, and ENABLE.	
18	52-53	SET MODE data. Enter as required by system component configuration for SDA-II or Bi-sync: 2701 SDA-II	
		CARD COLUMN	HEX ENTRY
		52	2 Interface B, not A.
		53	8 Transmission code B, not A.
		2703 Bi-sync: Nothing defined; leave columns blank.	
19	54-55	Columns not used; leave blank.	
*****	*****	NOTE: For Dial, refer to "DIAL CDS" following "3270 Information Display System (Remote Bi-Sync, Second of Two CDS Cards)" for changes in CDS layout.	
1A	56-57	Device and control unit descriptors, feature byte 0. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		56	8 Device is a 3277 display station. 4 Device is a buffered printer.
		57	2 Device has a dedicated nonbuffered printer attached. 8 Device has 480-character buffer, not 1920 (see NOTE). 4 Control unit has 480-character buffer, not 1920 (see NOTE). 2 Control unit is a standalone (3275), not MPX (3271 or 3272).
		NOTE: These two bits must be identical for standalone unit. One and only one of bits 0, 1, or 6, can be set to 1 at a time.	
1B-1C	58-61	General features, feature byte 1. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		58	8 Copy feature installed. 4 APL feature installed. 1 Magnetic card reader (operator identification CR) installed (see NOTE).
		59	8 Katakana feature installed. 2 Selector light pen attached. 1 Keyboard attached (see NOTE).
		60	8 RPQ (8T0093) Model 129 Card Data Recorder attachment.
		61	Nothing defined; leave column blank.
		NOTE: If magnetic card reader is attached, keyboard must also be attached.	

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
1D-1E	62-65	Remote features, feature byte 3. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		62	8 4 2
		63	8 4
		64	2 4
		65	
1F-20	66-69	Miscellaneous features. None defined; leave columns blank.	
21	70-71	Remote selection address sequence (CU, CU, DVC, DVC). Enter the control unit address character in hex form of the transmission code. For example: 2D for ASCII Control Unit 0. Refer to page 159	
	72	Enter an asterisk (*) for continuation card.	

>> 3270 INFORMATION DISPLAY SYSTEM (REMOTE BI-SYNC, SECOND OF TWO CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
22-24	16-21	Continuation of remote selection addresses from first card:	
		CARD COLUMN	HEX ENTRY
		16-17	
		18-19	
		20-21	
25-28	22-29	Remote polling address sequence (CU, CU, DVC, DVC). Enter the hex form of the transmission code:	
		CARD COLUMN	HEX ENTRY
		22-23	
		24-25	
		26-27	
		28-29	
29	30-31	Reserved; enter: 00.	
	32	Enter a slash (/) to indicate end of CDS entry.	

>> 3270 INFORMATION DISPLAY SYSTEM (REMOTE SDLC)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			4	2	1	D		A			4	1	/

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE															
0-3	10-17	Device address right-justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined; leave columns blank.															
5	20-21	Feature code. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>ASCII</td> </tr> <tr> <td></td> <td>4</td> <td>No Keyboard</td> </tr> <tr> <td></td> <td>2</td> <td>Device has 480 Buffer (Mod 1)</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	ASCII		4	No Keyboard		2	Device has 480 Buffer (Mod 1)	21		Nothing defined; leave blank.
CARD COLUMN	HEX ENTRY																
20	8	ASCII															
	4	No Keyboard															
	2	Device has 480 Buffer (Mod 1)															
21		Nothing defined; leave blank.															
6-7	22-25	Class and Type code; enter: 421D.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Hex values with an asterisk (*) are mandatory. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in Columns 36-43.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is an FE/customer-assigned name.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		Nothing defined; leave column blank.	31	*8	This CDS entry is defined by a symbolic name in Columns 36-43.		*2	This symbolic-named CDS entry is an FE/customer-assigned name.			
CARD COLUMN	HEX ENTRY																
30		Nothing defined; leave column blank.															
31	*8	This CDS entry is defined by a symbolic name in Columns 36-43.															
	*2	This symbolic-named CDS entry is an FE/customer-assigned name.															
A-B	32-35	Columns not used; leave blank.															
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry. The entry must start with an alphabetic character and be left-justified.															
*****	*****	Extended fixed area, required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details.															
14	44-45	Extended fixed area byte count. Enter: 04.															
15-16	46-49	Extended area flag bits. Enter as applicable. Hex values with an asterisk (*) are mandatory. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>*1</td> <td>Communication link is a leased line.</td> </tr> <tr> <td>47</td> <td>8</td> <td>World Trade answer tone required.</td> </tr> <tr> <td>48-49</td> <td></td> <td>Nothing defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	*1	Communication link is a leased line.	47	8	World Trade answer tone required.	48-49		Nothing defined; leave columns blank.			
CARD COLUMN	HEX ENTRY																
46	*1	Communication link is a leased line.															
47	8	World Trade answer tone required.															
48-49		Nothing defined; leave columns blank.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
17	50-51	Line connection command sequence code. Leave blank.	
18	52-53	Device and Control Unit descriptors, Feature Byte 0. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		52	8 4 2
		53	8 4 2
		*****	*****
		Device is a 3277 Display Station. Device is a buffered printer. Device has a dedicated, non-buffered printer attached. Device has a 480-Character Buffer (Mod 1), not 1920 (Mod 2). See NOTE below. Control unit has a 480-Character Buffer (Mod 11), not 1920 (Mod 12). See NOTE below. Control Unit is Standalone (3275), not MPX (3271). NOTE: These two bits must be identical for Standalone Units. Of Bits 0, 1, and 6, only one of these can be set to 1 at a time.	
19-1A	54-57	General features, Feature Byte 1. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		54	8 4 1
		55	8 2 1
		56-57	1
		Copy feature installed. APL feature installed. Magnetic Card Reader (Operator Identification Card Reader) installed. See NOTE below. Katakana feature installed. Selector Light Pen attached. Keyboard attached. See NOTE below. Nothing defined; leave columns blank. NOTE: If the Magnetic Card Reader is attached, the Keyboard must also be attached.	
1B	58-59	Remote features, Feature Byte 3. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		58	8 2
		59	
		ASCII (not EBCDIC) Interface installed. Dial-Up Interface installed. Nothing defined; leave column blank.	
1C-1E	60-65	Reserved; leave columns blank.	
1F	66-67	The device number of this terminal in hex; 00 through 1F.	
	68	Enter a slash (/) to indicate end of CDS entry.	

>> DIAL CDS (CHANGES IN 3270 REMOTE BI-SYNC CDS LAYOUT FOR SWITCHED LINE)

The DIAL CDS layout is the same as for leased line CDS layout up to column 55 of the first card. The following changes then apply:

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
1A	56-57	Enter the number of dial digits in hex.
1B	58-NN	<p>Enter dial digits in EBCDIC. For example: 1234 would be entered as F1F2F3F4.</p> <p>As the number of dial digits can vary the remaining columns in a dial CDS entry, the CDS cannot be numbered with specific numbers. Consider the last column used for the dial digits to be "NN", then columns NN+1 to NN+14 are defined identically to the leased line columns 56-69. Then the dial sequence is different as follows:</p> <p>NN+15-NN+22 -- Dial sequence ID. The first digit will be 86 for EBCDIC, and 46 for ASCII. There are a total of 4 ID digits.</p> <p>NN+23-NN+24 -- Reserved, enter 00.</p> <p>NN+25 -- Enter a slash (/) to indicate end of CDS entry.</p> <p>Refer to Section 4 for a description of the use of continuation cards.</p>

REMOTE CONTROL UNIT & DEVICE ADDRESSING

DEVICE OR CONTROL UNIT NO.	COL. 1 . Device Address . CU Poll Addr. . Fixed Return Addr.			COL.2 . CU Selection Addr. (1) EBCDIC		
	Char.	EBCDIC Hex	ASCII Hex	Char.	EBCDIC Hex	ASCII Hex
	0	SP	40	20	-	60
1	A	C1	41	/	61	2F
2	B	C2	42	S	E2	53
3	C	C3	43	T	E3	54
4	D	C4	44	U	E4	55
5	E	C5	45	V	E5	56
6	F	C6	46	W	E6	57
7	G	C7	47	X	E7	58
8	H	C8	48	Y	E8	59
9	I	C9	49	Z	E9	5A
10	φ([)	4A	5B	(1)	6A	7C
11	.	4B	2E	,	6B	2C
12	<	4C	3C	%	6C	25
13	(4D	28	>	6D	5F
14	+	4E	2B	? :	6E	5E
15		4F	21	0	6F	3F
16	&	50	26	1	F0	30
17	J	D1	4A	2	F1	31
18	K	D2	4B	3	F2	32
19	L	D3	4C	4	F3	33
20	M	D4	4D	5	F4	34
21	N	D5	4E	6	F5	35
22	O	D6	4F	7	F6	36
23	P	D7	50	8	F7	37
24	Q	D8	51	9	F8	38
25	R	D9	52	:	F9	39
26	!([)	5A	5D	#	7A	3A
27	\$	5B	24	@	7B	23
28	*	5C	2A	'	7C	40
29)	5D	29	=	7D	27
30	;	5E	3B	"	7E	3D
31	-	5F	5E		7F	22
General Poll	"	7F	22			

>> 3270/3705 INFORMATION DISPLAY SYSTEM (REMOTE BI-SYNC, FIRST OF TWO CDS CARDS)

Line + NCP must be generated in addition to the 3270 CDS for OLT R3270B to test a 3270 downline from a 3705 with NCP. See D99-3700A.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			4	4	1	6		A		2	1	8	*

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE																					
0-3	10-17	Device address right justified. Leading zeros can be omitted.																					
4-5	18-21	Model and feature code. None defined; leave columns blank.																					
6-7	22-25	Class and type code for 3270/3705; enter: 4416.																					
8	26-29	Columns not used; leave blank.																					
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>TCU shared with another system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>4</td> <td>This control unit has a two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	TCU shared with another system.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		4	This control unit has a two-channel switch installed.		*2	This symbolic-named CDS entry is a FE/customer-assigned name.						
CARD COLUMN	HEX ENTRY																						
30	4	TCU shared with another system.																					
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.																					
	4	This control unit has a two-channel switch installed.																					
	*2	This symbolic-named CDS entry is a FE/customer-assigned name.																					
A-B	32-35	Columns not used; leave blank.																					
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry. The entry must start with an alphabetic character and must be left-justified.																					
*****	*****	Start of OLIT control program fixed area.																					
14	44-45	Enter length of OLIT control program fixed area in hex: For leased line, enter 21. (Variable for switched line.)																					
15	46-47	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>8</td> <td>Point-to-point switched line.</td> </tr> <tr> <td></td> <td>4</td> <td>Multipoint line.</td> </tr> <tr> <td></td> <td>2</td> <td>Identification sequence required (for switched lines)</td> </tr> <tr> <td>47</td> <td>*8</td> <td>Component selection required.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall installed.</td> </tr> <tr> <td></td> <td>2</td> <td>BSC World Trade data set attached.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	8	Point-to-point switched line.		4	Multipoint line.		2	Identification sequence required (for switched lines)	47	*8	Component selection required.		4	Autocall installed.		2	BSC World Trade data set attached.
CARD COLUMN	HEX ENTRY																						
46	8	Point-to-point switched line.																					
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47	*8	Component selection required.																					
	4	Autocall installed.																					
	2	BSC World Trade data set attached.																					

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
16-17	48-51	Columns not used; leave blank.	
*****	*****	Columns 52-55 contain entries for a 270X local CU or a 370X local CU.	
		370X Local Control Unit	
18-19	52-55	Node or destination name and modifier.	
		270X Local Control Unit	
18	52-53	Line connect code; enter: 03.	
19	54-55	SET MODE data. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		54	2
		55	8
		Interface B, not A. Transmission code B, not A.	
1A-1B	56-59	Columns not used; leave blank.	
1C	60-61	Device type. Enter as shown. Entries with an asterisk are mandatory.	
		CARD COLUMN	HEX ENTRY
		60	
		61	*1
		Nothing defined; leave blank. 3270	
1D	62-63	Line control. Enter as shown. Entries with an asterisk are mandatory.	
		CARD COLUMN	HEX ENTRY
		62	
		63	*1
		Nothing defined; leave blank. 3270	
1E	64-65	Line code. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		64	
		65	1
		Nothing defined; leave column blank. ASCII, not EBCDIC.	
1F-21	66-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> 3270/3705 INFORMATION DISPLAY SYSTEM (REMOTE BI-SYNC, SECOND OF TWO CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
22-23	16-19	Columns not used; leave blank.
24	20-21	Input device field count; enter: 03.
25	22-23	Terminal; enter: 40.
26	24-25	Enter device address in EBCDIC. For switched line 3270s always enter 40. For example: Enter 40 for ASCII or EBCDIC device 0; C1 for ASCII or EBCDIC device 1.
27	26-27	Same as columns 24-25.
28	28-29	Output device field count; enter: 03.
29-2B	30-35	Same as columns 22-27.
2C	36-37	Poll sequence count; enter: 02.
2D	38-39	Control unit polling address (EBCDIC). For switched line 3270s always enter 40. For example: Enter 40 for ASCII or EBCDIC control unit 0, C1 for ASCII or EBCDIC control unit 1.
2E	40-41	Same as columns 38-39.
2F	42-43	Select sequence count. Enter 02.
30	44-45	Control unit selection address (EBCDIC). Enter the address as applicable. For example: 60 for ASCII or EBCDIC control unit 0; 61 for ASCII or EBCDIC control unit 1.
31	46-47	Same as columns 44-45.
32	48-49	Dial digit count (DDC). Enter count of dial digits. For <u>leased line</u> enter 00. For <u>switched line</u> , enter as applicable (variable).
*****	*****	Switched line 3270.
33	50-NN	Enter in EBCDIC the dial digits. For example: For number 1234, enter F1F2F3F4. (NN is the last card column used.)
	NN+1- NN+2	ID character count, enter 04 (XX equals NN + 2).
	NN+3- NN+10	Enter the ID characters transmitted by the switched-line 3270. The first digit will be 86. There is a total of 4 ID digits. Enter the ID characters in EBCDIC.
	NN+11- NN+12	Columns not used; leave blank.
*****	*****	Leased line 3270.
33	50-51	ID character count; enter: 00.
34	52-53	Columns not used; leave blank.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
*****	*****	OLTT fixed area.	
		NOTE: The exact card columns cannot be given here for a switched line 3270 as they are variable. The card columns given here are for a leased line. Adjust columns for switched-line 3270 and use a continuation card as required. Refer to Section 4 for use of continuation card.	
35	54-55	Device and control unit descriptors. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		54	8 4 2
			Device is a 3277 display station. Device is a buffered printer. Device has a dedicated nonbuffered printer attached.
		55	8 4 2
			Device has a 480-character buffer (Model 1), not a 1,920-character buffer (Model 2). (See NOTE.) Control unit has a 480-character buffer (Model 1), not a 1,920-character buffer (Model 2). (See NOTE.) Control unit is a standalone (3275), not a 3271.
			NOTE: These two bits must be identical for a standalone (3275) unit. Also one and only one of bits 0, 1, or 6 can be set to 1 at one time.
36	56-57	General features, feature byte 1.	
		CARD COLUMN	HEX ENTRY
		56	8 4 1
			Copy feature installed. APL feature installed. Magnetic card reader (operator ID card reader) installed. (See NOTE.)
		57	8 2 1
			Katakana feature installed. Selector light pen attached. Keyboard attached. (See NOTE.)
			NOTE: If magnetic card reader is attached, keyboard must be attached.
37	58-59	Columns not used; leave blank.	
38	60-61	Remote feature, (feature byte 3). Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		60	8 4 2
			ASCII interface, not EBCDIC. Undercover modem. Dial up (switched line) interface.
		61	8 4
			Low baud (600-1200 bps) installed. High baud (4800-7200 bps) installed.
			NOTE: Neither of the two preceding bits on means 2400 bps.
		2	TCU has transparency feature installed.
39-3C	62-69	Columns not used; leave blank.	
	70	Enter a slash (/) to indicate end of CDS entry.	

* >> 3274 MODEL A (LOCAL-SNA)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	40F2				/								

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right-justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. None defined; leave columns blank.
* 6-7	22-25	Class and Type code for 3274 Model A; enter 40F2.
8	26-29	Columns not used; leave blank.
9	30-31	Columns not used; leave blank.
A-B	32-35	Columns not used; leave blank.
	36	Enter a slash (/) to indicate end of CDS entry.

* >> 3274 ALL MODEL B'S + D'S (LOCAL-3270 MODE)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	1010				/								

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE								
0-3	10-17	Device address right-justified. Leading zeros can be omitted.								
4	18-19	Model code as indicated.								
* 4		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td>8</td> <td rowspan="2">Model D or leave blank.</td> </tr> <tr> <td>19</td> <td>0</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18	8	Model D or leave blank.	19	0
CARD COLUMN	HEX ENTRY									
18	8	Model D or leave blank.								
19	0									
5	20-21	Feature code. None defined; leave columns blank.								
* 6-7	22-25	Class and Type code for 3274 Model B or D; enter 1010.								
8	26-29	Columns not used; leave blank.								
9	30-31	Columns not used; leave blank.								
A-B	32-35	Columns not used; leave blank.								
	36	Enter a slash (/) to indicate end of CDS entry.								

* >> 3274 MODEL C (REMOTE BI-SYNC)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	.	.	4	2	E	.	B	.	9	0	3	.	*

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4	18-19	Model code. None defined; leave columns blank.																		
5	20-21	Feature code. None defined; leave columns blank.																		
6-7	22-25	Class and type code for 3274 remote; enter: 421E.																		
8	26-29	Columns not used; leave blank.																		
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank. Hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>TCU shared with another system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>4</td> <td>This control unit has a two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name.</td> </tr> <tr> <td></td> <td>*1</td> <td>Terminal requires line connection in Executive activated.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	TCU shared with another system.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		4	This control unit has a two-channel switch installed.		*2	This symbolic-named CDS entry is a FE/customer-assigned name.		*1	Terminal requires line connection in Executive activated.
CARD COLUMN	HEX ENTRY																			
30	4	TCU shared with another system.																		
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.																		
	4	This control unit has a two-channel switch installed.																		
	*2	This symbolic-named CDS entry is a FE/customer-assigned name.																		
	*1	Terminal requires line connection in Executive activated.																		
A-B	32-35	Columns not used; leave blank.																		
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry. The entry must start with an alphabetic character and be left-justified.																		
*****	*****	Extended fixed area. Required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details.																		
14	44-45	Extended fixed area byte count; enter 06.																		
15-16	46-49	Extended area flag bits. Enter as applicable, hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>*8</td> <td>Two-byte SET MODE data is present in card columns 52-55.</td> </tr> <tr> <td></td> <td>*1</td> <td>Communication link is a leased line.</td> </tr> <tr> <td>47</td> <td>8</td> <td>World Trade answer tone required.</td> </tr> <tr> <td>48-49</td> <td></td> <td>Nothing defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	*8	Two-byte SET MODE data is present in card columns 52-55.		*1	Communication link is a leased line.	47	8	World Trade answer tone required.	48-49		Nothing defined; leave columns blank.			
CARD COLUMN	HEX ENTRY																			
46	*8	Two-byte SET MODE data is present in card columns 52-55.																		
	*1	Communication link is a leased line.																		
47	8	World Trade answer tone required.																		
48-49		Nothing defined; leave columns blank.																		

CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED											
CDS CORE BYTE	CARD COLUMN										
17	50-51	Line connection command sequence code. Enter 03 for DISABLE, SET MODE, and ENABLE.									
18	52-53	<p>SET MODE data. Enter as required by system component configuration for SDA-II or Bi-sync:</p> <p>2701 SDA-II</p> <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>52</td> <td>2</td> <td>Interface B, not A.</td> </tr> <tr> <td>53</td> <td>8</td> <td>Transmission code B, not A.</td> </tr> </tbody> </table> <p>2703 Bi-sync: Nothing defined; leave columns blank.</p>	CARD COLUMN	HEX ENTRY		52	2	Interface B, not A.	53	8	Transmission code B, not A.
CARD COLUMN	HEX ENTRY										
52	2	Interface B, not A.									
53	8	Transmission code B, not A.									
19-1B	54-59	Columns not used; leave blank.									
1C	60-61	<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>60</td> <td>8</td> <td>ASCII line code, not EBCDIC.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		60	8	ASCII line code, not EBCDIC.			
CARD COLUMN	HEX ENTRY										
60	8	ASCII line code, not EBCDIC.									
1D	62-63	Control unit select address.									
1E	64-65	Control unit poll address.									
1F	66-67	Device address.									
	68	Enter a slash (/) to indicate end of CDS entry.									

>> 3274/3705 MODEL 1C NCP (REMOTE BI-SYNC)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			4	4	2	A		2	1	4	1		*

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4-5	18-21	Model and feature code. None defined; leave columns blank.															
6-7	22-25	Class and type code for 3274/3705; enter: 4420.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>TCU shared with another system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>4</td> <td>This control unit has a two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	TCU shared with another system.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		4	This control unit has a two-channel switch installed.		*2	This symbolic-named CDS entry is a FE/customer-assigned name.
CARD COLUMN	HEX ENTRY																
30	4	TCU shared with another system.															
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.															
	4	This control unit has a two-channel switch installed.															
	*2	This symbolic-named CDS entry is a FE/customer-assigned name.															
A-B	32-35	Columns not used; leave blank.															
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry. The entry must start with an alphabetic character and must be left-justified.															
*****	*****	Start of OLTT control program fixed area.															
14	44-45	Enter length of OLTT control program fixed area in hex; enter 21.															
15	46-47	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>*4</td> <td>Multipoint line.</td> </tr> <tr> <td>47</td> <td>*8</td> <td>Component selection required.</td> </tr> <tr> <td></td> <td>2</td> <td>BSC World Trade data set attached.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	*4	Multipoint line.	47	*8	Component selection required.		2	BSC World Trade data set attached.			
CARD COLUMN	HEX ENTRY																
46	*4	Multipoint line.															
47	*8	Component selection required.															
	2	BSC World Trade data set attached.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
16-17	48-51	Columns not used; leave blank.	
*****	*****	Columns 52-55 contain entries for a 270X local CU or a 370X local CU.	
		370X Local Control Unit	
18-19	52-55	Node or destination name and modifier.	
		270X Local Control Unit	
18	52-53	Line connect code; enter: 03.	
19	54-55	SET MODE data. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		54	2
		55	8
		Interface B, not A.	
		Transmission code B, not A.	
1A-1B	56-59	Columns not used; leave blank.	
1C	60-61	Device type. Enter as shown. Entries with an asterisk are mandatory.	
		CARD COLUMN	HEX ENTRY
		60	
		61	*1
		Nothing defined; leave blank.	
		3270 device type.	
1D	62-63	Line control. Enter as shown. Entries with an asterisk are mandatory.	
		CARD COLUMN	HEX ENTRY
		62	
		63	*1
		Nothing defined; leave blank.	
		3270 device type.	
1E	64-65	Line code. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		64	
		65	1
		Nothing defined; leave column blank.	
		ASCII, not EBCDIC.	
1F-21	66-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> 3274/3705 INFORMATION DISPLAY SYSTEM (REMOTE BI-SYNC, SECOND OF TWO CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
22-23	16-19	Columns not used; leave blank.
24	20-21	Input device field count; enter: 03.
25	22-23	Terminal; enter: 40.
26	24-25	Enter device address in EBCDIC. For switched line 3270s always enter 40. For example: Enter 40 for ASCII or EBCDIC device 0; C1 for ASCII or EBCDIC device 1.
27	26-27	Same as columns 24-25.
28	28-29	Output device field count; enter: 03.
29-2B	30-35	Same as columns 22-27.
2C	36-37	Poll sequence count; enter: 02.
2D	38-39	Control unit polling address (EBCDIC). For example: Enter 40 for ASCII or EBCDIC control unit 0, C1 for ASCII or EBCDIC control unit 1.
2E	40-41	Same as columns 38-39.
2F	42-43	Select sequence count. Enter 02.
30	44-45	Control unit selection address (EBCDIC). Enter the address as applicable. For example: 60 for ASCII or EBCDIC control unit 0; 61 for ASCII or EBCDIC control unit 1.
31	46-47	Same as columns 44-45.
	48	Enter a slash (/) to indicate end of CDS entry.

* >> 3278 MODEL 2A 43XX/308X/908X OPERATOR CONSOLE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		
ENTRY			100B		/																									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. None defined; leave columns blank.
6-7	22-25	Class and type for 3278 Model 2A ; Enter: 100B
8-9	30-31	Columns not used, leave blank.
	32	Enter a slash (/) to indicate end of CDS entry.

* >> 3279 MODEL 2C 43XX/308X/908X OPERATOR CONSOLE

* NOTE: Must run 3279-2C in two-color mode when used as OLTSEP console.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		
ENTRY			100B		/																									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. None defined; leave columns blank.
6-7	22-25	Class and type for 3279 Model 2C ; Enter: 100B
8-9	30-31	Columns not used, leave blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3330/3333 DISK STORAGE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			20		/								

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE												
0-3	10-17	Device address right justified. Leading zeros can be omitted.												
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr><td>HEX ENTRY</td><td></td></tr> <tr><td>01</td><td>3830 Model 1 Control Unit.</td></tr> <tr><td>02</td><td>3830 Model 2 or integrated storage control.</td></tr> <tr><td>03</td><td>135 Integrated File Adapter C.U. (disk natively attached) or 3880 Control Unit.</td></tr> <tr><td>00</td><td>3830-3 or 125 integrated file adapter CU (direct disk access).</td></tr> </table>	HEX ENTRY		01	3830 Model 1 Control Unit.	02	3830 Model 2 or integrated storage control.	03	135 Integrated File Adapter C.U. (disk natively attached) or 3880 Control Unit.	00	3830-3 or 125 integrated file adapter CU (direct disk access).		
HEX ENTRY														
01	3830 Model 1 Control Unit.													
02	3830 Model 2 or integrated storage control.													
03	135 Integrated File Adapter C.U. (disk natively attached) or 3880 Control Unit.													
00	3830-3 or 125 integrated file adapter CU (direct disk access).													
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr><td>HEX Entry</td><td></td></tr> <tr><td>10</td><td>If 3830 Model 3 Staging Adapter is the storage control.</td></tr> <tr><td>01</td><td>3830 Model 1 Control Unit.</td></tr> <tr><td>02</td><td>3830 Model 2, 3880 or integrated storage control unit (ISC).</td></tr> <tr><td>04</td><td>135 integrated file adapter CU (disk natively attached).</td></tr> <tr><td>08</td><td>125 integrated file adapter CU (direct disk access).</td></tr> </table>	HEX Entry		10	If 3830 Model 3 Staging Adapter is the storage control.	01	3830 Model 1 Control Unit.	02	3830 Model 2, 3880 or integrated storage control unit (ISC).	04	135 integrated file adapter CU (disk natively attached).	08	125 integrated file adapter CU (direct disk access).
HEX Entry														
10	If 3830 Model 3 Staging Adapter is the storage control.													
01	3830 Model 1 Control Unit.													
02	3830 Model 2, 3880 or integrated storage control unit (ISC).													
04	135 integrated file adapter CU (disk natively attached).													
08	125 integrated file adapter CU (direct disk access).													
6-7	22-25	Class and type codes. Select one of the following: <table border="1"> <tr><td>HEX ENTRY</td><td></td></tr> <tr><td>2009</td><td>Code for type 3330, 3330-1, 3330-2, 3333-1, 3333-2.</td></tr> <tr><td>200D</td><td>Code for type 3330-11, 3333-11.</td></tr> </table>	HEX ENTRY		2009	Code for type 3330, 3330-1, 3330-2, 3333-1, 3333-2.	200D	Code for type 3330-11, 3333-11.						
HEX ENTRY														
2009	Code for type 3330, 3330-1, 3330-2, 3333-1, 3333-2.													
200D	Code for type 3330-11, 3333-11.													
8	26-29	Columns not used; leave blank.												
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr><td>CARD COLUMN</td><td>HEX ENTRY</td><td></td></tr> <tr><td>30</td><td>4</td><td>Device shared with another system.</td></tr> <tr><td>31</td><td>4</td><td>This device or its control unit has two-channel switch installed.</td></tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.			
CARD COLUMN	HEX ENTRY													
30	4	Device shared with another system.												
31	4	This device or its control unit has two-channel switch installed.												

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
A-B	32-35	Columns not used; leave blank.
C	36-37	Suffix to identify control unit (CU) CDS (if ISC, 3830-2, or 3880) or Staging Adapter (MSS) CDS. This field must match card columns 42-43 in the CU CDS card that defines the control unit or staging adapter through which this unit is addressed. The suffix must be two hex characters.
D	38	For other than MSS entries, enter a slash (/) to indicate end of CDS entry. For MSS, leave blank.
	39	Column not used, leave blank.
E	40-41	For MSS, enter the number of MSC addresses.
10-XX	42-71	MSC unit address. Addresses may be contiguous or separated with blanks, but must start in even columns. Four card columns contain each unit address (right-justified) for the MSC(s) in this MSS.
	72	Continuation character when a continuation card is required. Refer to Section 3 for the continuation card format.
		(/) must appear in an even column after all MSC addresses have been defined.
		NOTE: Unit may be shared either at the CU (two-channel switch feature or four-channel switch) or at the 3333 controller (string switch feature) if the CU is a 3830 Model 2 or 3880.

* >> 3340/3344 DISK STORAGE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			2	0	0	A		/					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. 02 if 3830-2 or ISC; 03 if 135 IFA; leave blank if any other attachment.									
5	20-21	Feature code. Enter 02 if 3830 Model 2 or ISC or 3880; 04 if 135 IFA is storage control; 08 if 115/125 DDA; leave blank if any other attachment.									
6-7	22-25	Class and type code for 3340/3344; enter: 200A.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.
CARD COLUMN	HEX ENTRY										
30	4	Device shared with another system.									
31	4	This device or its control unit has two-channel switch installed.									
A-B	32-35	Columns not used; leave blank.									
C	36-37	Suffix to identify control unit CDS (if ISC, 3830-2, or 3880 is CU). This field must match card columns 42 and 43 in the CU 3830/3880 CDS card that defines the control unit through which this unit address is accessed. The suffix must be two hex characters. Leave blank if any other attachment.									
	38	Enter a slash (/) to indicate end of CDS entry.									

>> 3350 DISK STORAGE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			2	0			/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE										
0-3	10-17	Device address right-justified. Leading zeros can be omitted.										
4	18-19	Model code. Leave columns blank.										
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank.										
		<table border="1"> <tr> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>02</td> <td>if 3830 Model 2 or ISC or 3880 Model 1,2,3 or SD2 of Model 11 is storage control.</td> </tr> <tr> <td>0A</td> <td>if SD1 of 3880 Model 11 is storage control.</td> </tr> <tr> <td>0C</td> <td>if 3880 Model 13 is storage control.</td> </tr> <tr> <td>10</td> <td>if 3830 Model 3 Staging Adapter is the storage control. Leave blank if any other attachment.</td> </tr> </table>	HEX ENTRY		02	if 3830 Model 2 or ISC or 3880 Model 1,2,3 or SD2 of Model 11 is storage control.	0A	if SD1 of 3880 Model 11 is storage control.	0C	if 3880 Model 13 is storage control.	10	if 3830 Model 3 Staging Adapter is the storage control. Leave blank if any other attachment.
HEX ENTRY												
02	if 3830 Model 2 or ISC or 3880 Model 1,2,3 or SD2 of Model 11 is storage control.											
0A	if SD1 of 3880 Model 11 is storage control.											
0C	if 3880 Model 13 is storage control.											
10	if 3830 Model 3 Staging Adapter is the storage control. Leave blank if any other attachment.											
6-7	22-25	Class and Type codes. Select one of the following:										
		<table border="1"> <tr> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>200B</td> <td>if volume is 3350.</td> </tr> <tr> <td>2009</td> <td>if volume is 3330-1.</td> </tr> <tr> <td>200D</td> <td>if volume is 3330-11.</td> </tr> </table>	HEX ENTRY		200B	if volume is 3350.	2009	if volume is 3330-1.	200D	if volume is 3330-11.		
HEX ENTRY												
200B	if volume is 3350.											
2009	if volume is 3330-1.											
200D	if volume is 3330-11.											
8	26-29	Columns not used; leave blank.										
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:										
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch, four-channel switch, or string switch installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch, four-channel switch, or string switch installed.	
CARD COLUMN	HEX ENTRY											
30	4	Device shared with another system.										
31	4	This device or its control unit has two-channel switch, four-channel switch, or string switch installed.										
A-B	32-35	Columns not used; leave blank.										

-----CDS CONTINUED ON NEXT PAGE-----

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
C	36-37	Suffix to identify control unit (CU) CDS (if ISC, 3830-2, or 3880) or Staging Adapter (MSS) CDS. This field must match card columns 42-43 in the CU CDS card that defines the control unit or staging adapter through which this unit is addressed. The suffix must be two hex characters.
D	38	For other than MSS entries, enter a slash (/) to indicate end of CDS entry. For MSS, leave blank.
	39	Column not used, leave blank.
E	40-41	For MSS, enter the number of MSC addresses.
10-XX	42-71	MSC unit address. Addresses may be contiguous or separated with blanks, but must start in even columns. Four card columns contain each unit address (right-justified) for the MSC(s) in this MSS.
	72	Continuation character when a continuation card is required. Refer to Section 3 for the continuation card format.
		(/) must appear in an even column after all MSC addresses have been defined.
		NOTE: Unit may be shared either at the CU (two-channel switch feature or four-channel switch) or at the 3350 controller (string switch feature) if the CU is a 3830 Model 2 or 3880.

* >> 3370 DISK STORAGE

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE						
0-3	10-17	Device address right-justified. Leading zeros can be omitted.						
4	18-19	Model code. Leave columns blank.						
5	20-21	Feature code. 02-attached to a 3880 Storage Director. 00-attached to an FTA on 43XX.						
6-7	22-25	Class and Type code for 3370; enter: 2102						
8	26-29	Columns not used; leave blank.						
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> </tr> <tr> <td>31</td> <td>4</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY	30	4	31	4
CARD COLUMN	HEX ENTRY							
30	4							
31	4							
A-B	32-35	Columns not used; leave blank.						
C	36-37	Suffix to identify 3880 control unit CDS (if 3880 is the CU). This field must match card columns 42 and 43 in the CU 3880 CDS card that defines the control unit through which this unit address is accessed. The suffix must be two hex characters. (If FTA, leave columns blank).						
	38	Enter a slash (/) to indicate end of CDS entry.						

* >> 3375 DISK STORAGE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			200C				/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE								
0-3	10-17	Device address right-justified. Leading zeros can be omitted.								
4	18-19	Model code. Leave columns blank.								
5	20-21	Feature code. Enter 02 if 3880.								
6-7	22-25	Class and Type code for 3375; enter: 200C								
8	26-29	Columns not used; leave blank.								
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:								
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td rowspan="2">Device shared with another system. This device or its control unit has two-channel switch, four-channel switch, eight-channel switch, or string switch installed.</td> </tr> <tr> <td>31</td> <td>4</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system. This device or its control unit has two-channel switch, four-channel switch, eight-channel switch, or string switch installed.	31	4
CARD COLUMN	HEX ENTRY									
30	4	Device shared with another system. This device or its control unit has two-channel switch, four-channel switch, eight-channel switch, or string switch installed.								
31	4									
A-B	32-35	Columns not used; leave blank.								
C	36-37	Suffix to identify 3880 control unit CDS (if 3880 is the CU). This field must match card columns 42 and 43 in the CU 3880 CDS card that defines the control unit through which this unit address is accessed. The suffix must be two hex characters.								
	38	Enter a slash (/) to indicate end of CDS entry.								

>> 3380 DISK STORAGE

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	200E /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right-justified. Leading zeros can be omitted.									
4	18-19	Model code. Leave columns blank.									
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank. <table border="1"> <tr> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>02</td> <td>if 3880 Model 1,2, 3 or SD2 of Model 11 is storage control.</td> </tr> <tr> <td>0A</td> <td>if SD1 of 3880 Model 11 is storage control.</td> </tr> <tr> <td>0C</td> <td>if 3880 Model 13 is storage control.</td> </tr> </table>	HEX ENTRY		02	if 3880 Model 1,2, 3 or SD2 of Model 11 is storage control.	0A	if SD1 of 3880 Model 11 is storage control.	0C	if 3880 Model 13 is storage control.	
HEX ENTRY											
02	if 3880 Model 1,2, 3 or SD2 of Model 11 is storage control.										
0A	if SD1 of 3880 Model 11 is storage control.										
0C	if 3880 Model 13 is storage control.										
6-7	22-25	Class and Type code for 3380; enter: 200E									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch, four-channel switch, eight-channel switch, or string switch installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch, four-channel switch, eight-channel switch, or string switch installed.
CARD COLUMN	HEX ENTRY										
30	4	Device shared with another system.									
31	4	This device or its control unit has two-channel switch, four-channel switch, eight-channel switch, or string switch installed.									
A-B	32-35	Columns not used; leave blank.									
C	36-37	Suffix to identify 3880 control unit CDS (if 3880 is the CU). This field must match card columns 42 and 43 in the CU 3880 CDS card that defines the control unit through which this unit address is accessed. The suffix must be two hex characters.									
	38	Enter a slash (/) to indicate end of CDS entry.									

* >> 3430 MAGNETIC TAPE

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* -----
* | CARD | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 |
* | COLUMN | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |
* |-----|
* | ENTRY | | | 8 | 0 | 0 | 7 | | | / | | | | | | | | | | | | | | | | | | | | | |
* |-----|
    
```

```

* -----
* | CDS | | CARD | | LOCAL CDS FILE
* | CORE | | COLUMN | |
* | BYTE | | | |
* |-----|
* | 0-3 | | 10-17 | | Device address right justified. Leading zeros can be omitted.
* |-----|
* | 4-5 | | 18-21 | | Model and feature code. None defined; leave columns blank.
* |-----|
* | 6-7 | | 22-25 | | Class and type code for 3430; enter: 8007.
* |-----|
* | 8 | | 26-29 | | Columns not used; leave blank.
* |-----|
* | 9 | | 30-31 | | Flags code. None applicable; leave columns blank.
* |-----|
* | | | 32 | | Enter a slash (/) to indicate end of CDS entry.
* |-----|
    
```

* >> 3504 CARD READER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0847			/							

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 3504; enter: 0847.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3505 CARD READER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0806			/							

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 3505; enter: 0806.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3700 TERMINAL (FIRST CARD OF X CDS CARDS)

NOTES: The 3700 test requires either a 270X or 370X local CDS. If there is no local TCU CDS, use a pseudo 2701 CDS. This applies to 3115 or 3125 CPUs with the ICA Feature.
 NOTE: The SOSF auto-edit functions require a 3700 terminal CDS in order to retain the 3700 OLT family.

For NCP definitions or for additional information, refer to the OLTT User's Guide, D99-3700A.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			4	4	2	0		A					*

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE															
0-3	10-17	Device address. Enter subchannel address of 270X or 370X used for communication with device.															
4	18-19	Terminal flags. (Punch for 2740 only.) <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td>4</td> <td>2740 has station control.</td> </tr> <tr> <td></td> <td>2</td> <td>2740 has transmit control.</td> </tr> <tr> <td>19</td> <td>1</td> <td>2740 has error checking.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18	4	2740 has station control.		2	2740 has transmit control.	19	1	2740 has error checking.			
CARD COLUMN	HEX ENTRY																
18	4	2740 has station control.															
	2	2740 has transmit control.															
19	1	2740 has error checking.															
5	20-21	Feature code. None defined; leave columns blank.															
6-7	22-25	Class and type code for 3700 terminals; enter: 4420.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device accessible by another system or has another path to the same system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>Symbolic name assigned. Must be 1 for 3700 CDS.</td> </tr> <tr> <td></td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name. This bit must be 1 for terminal CDSs.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device accessible by another system or has another path to the same system.	31	*8	Symbolic name assigned. Must be 1 for 3700 CDS.		4	This device or its control unit has two-channel switch installed.		*2	This symbolic-named CDS entry is a FE/customer-assigned name. This bit must be 1 for terminal CDSs.
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A	32-33	Flag byte 2. Enter as applicable: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>32</td> <td>2</td> <td>Device is protected. Permission for use must be given by system console (TOTE only).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		32	2	Device is protected. Permission for use must be given by system console (TOTE only).									
CARD COLUMN	HEX ENTRY																
32	2	Device is protected. Permission for use must be given by system console (TOTE only).															
B	34-35	Columns not used; leave blank.															
C-13	36-43	Symbolic name. Enter name assigned to this device. The name must be the same as in the Network Control Program (NCP) system generation or TP access method.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
*****	*****	OLTT Control Program (CP) fixed area. Used by the OLTT CP to control TP line that the device resides on.	
14	44-45	Enter OLTT CP fixed area length. Number of CDS bytes from (and including) this length byte to end of CDS. Minimum is 12 bytes (0C).	
15	46-47	Flag byte 1. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		46	8 TP line is point-to-point switched. 4 TP line is multipoint. 2 Identification sequence required. 1 Security identification sequence required.
		47	8 Component selection required. 4 Autocall unit associated with this line. 2 Emulator Subchannel (ESC) World Trade data set attached. 1 This bit always 0 for 3700 terminals.
16	48-49	Nothing defined; leave columns blank.	
17	50-51	Columns not used; leave blank.	
*****	*****	Columns 52 through 59 define entries differently for a 370X with NCP and a 270X (or 370X with EP). Select the applicable definition.	
		Local CU is a 370X with NCP.	
18-19	52-55	Destination name assigned by NCP at SYSGEN (Sub area and resource ID).	
1A-1B	56-59	Columns not used; leave blank.	
		Local CU is a 270X or a 370X with EP.	
18	52-53	Line connection command sequence. Enter as applicable:	
		HEX ENTRY	
		01	DISABLE, and either ENABLE or DIAL.
		03	DISABLE and SETMODE, and either ENABLE or DIAL.
		04	DISABLE and SADZERO, and either ENABLE or DIAL.
		05	DISABLE and SADONE, and either ENABLE or DIAL.
		06	DISABLE and SADTWO, and either ENABLE or DIAL.
		07	DISABLE and SADTHREE, and either ENABLE or DIAL.
19	54-55	SET MODE data (for SETMODE to SDA-II, BSC).	
		CARD COLUMN	HEX ENTRY
		54	4 if intermediate block check (ITB) is to be performed. 2 (2701 only) "0" if dual communications interface A is to be selected; "1" if dual communications interface B is to be selected.
		55	1 if the adapter is to run in TEST MODE. 8 "0" if transmission (first code) is to be used or Dual Code is not installed; "1" if transmission code B (second code) is to be used. 4 "0" for non-interrupt mode; "1" for interrupt mode of operation.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																								
1A-1B	56-59	Columns not used; leave blank.																								
*****	*****	Continue common definition for 370X with NCP or 270X (or 370X with EP).																								
1C	60-61	Device type. Enter as applicable: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr><td>00</td><td>BSC0 (2770, 3780 with component select)</td></tr> <tr><td>01</td><td>BSC1 (3270)</td></tr> <tr><td>02</td><td>Reserved</td></tr> <tr><td>03</td><td>BSC3 (2780)</td></tr> <tr><td>04</td><td>BSC4 (3780, 2715)(**3780 with component select is to be considered a 2770)</td></tr> <tr><td>05</td><td>BSC5 (2972 Model 8 or 11)</td></tr> <tr><td>06</td><td>BSC6 (3735, 1130, 1800, 3650, 3660, 3740, System/3, System/7, System/360 Model 20, System/360 Model 25, or System/370 CPU ICA)</td></tr> <tr><td>10</td><td>Start/stop (1050).</td></tr> <tr><td>11</td><td>Start/stop (2740 Model 1 or 2 or 2741).</td></tr> </tbody> </table>	HEX ENTRY		00	BSC0 (2770, 3780 with component select)	01	BSC1 (3270)	02	Reserved	03	BSC3 (2780)	04	BSC4 (3780, 2715)(**3780 with component select is to be considered a 2770)	05	BSC5 (2972 Model 8 or 11)	06	BSC6 (3735, 1130, 1800, 3650, 3660, 3740, System/3, System/7, System/360 Model 20, System/360 Model 25, or System/370 CPU ICA)	10	Start/stop (1050).	11	Start/stop (2740 Model 1 or 2 or 2741).				
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1D	62-63	Line control. Enter as applicable: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr><td>00</td><td>BSC0 (2770, 3780 with component select)</td></tr> <tr><td>01</td><td>BSC1 (3270)</td></tr> <tr><td>02</td><td>BSC2 (3270 Katakana)</td></tr> <tr><td>03</td><td>BSC3 (2780)</td></tr> <tr><td>04</td><td>BSC4 (3780, 2715)(**3780 with component select is to be considered a 2770)</td></tr> <tr><td>05</td><td>BSC5 (2972 Model 8 or 11).</td></tr> <tr><td>06</td><td>BSC6 (3735, 1130, 1800, 3650, 3660, 3740, System/3, System/7, System/360 Model 20, System/360 Model 25, or System/370 CPU ICA)</td></tr> <tr><td>10</td><td>Start/stop (1050).</td></tr> <tr><td>11</td><td>Start/stop (2740 Model 1).</td></tr> <tr><td>13</td><td>Start/stop (2740 Model 2).</td></tr> <tr><td>15</td><td>Start/stop (2741)</td></tr> </tbody> </table>	HEX ENTRY		00	BSC0 (2770, 3780 with component select)	01	BSC1 (3270)	02	BSC2 (3270 Katakana)	03	BSC3 (2780)	04	BSC4 (3780, 2715)(**3780 with component select is to be considered a 2770)	05	BSC5 (2972 Model 8 or 11).	06	BSC6 (3735, 1130, 1800, 3650, 3660, 3740, System/3, System/7, System/360 Model 20, System/360 Model 25, or System/370 CPU ICA)	10	Start/stop (1050).	11	Start/stop (2740 Model 1).	13	Start/stop (2740 Model 2).	15	Start/stop (2741)
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1E	64-65	Line code used by the device. Enter as applicable: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr><td>00</td><td>EBCDIC</td></tr> <tr><td>01</td><td>ASCII</td></tr> <tr><td>02</td><td>EBCD</td></tr> <tr><td>03</td><td>Correspondence</td></tr> <tr><td>04</td><td>EBCD folded</td></tr> <tr><td>05</td><td>BCD</td></tr> </tbody> </table>	HEX ENTRY		00	EBCDIC	01	ASCII	02	EBCD	03	Correspondence	04	EBCD folded	05	BCD										
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05	BCD																									
1F	66-67	Columns not used; leave blank.																								
20-21	68-71	Device buffer size if 256 bytes or less. Enter as applicable; otherwise leave columns blank.																								
	72	Enter an asterisk (*) for continuation card.																								

>> 3700 TERMINAL (SECOND CARD OF TWO CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
22-23	16-19	Columns not used; leave blank.
24	20-21	Input device field count (IDFC). Enter in hex the number of input devices in the input device field. If none, enter 00.
25	22-NN	<p>Input device field (IDF). (NN is last column used for this field. Enter as applicable:</p> <ol style="list-style-type: none"> For a single input terminal type device enter the input device type value from Table 1. For a CU type device with multiple input components enter an ordered sequence of bytes, one for each possible input component position. Enter 00 if there is no component in a particular position. <p>Refer to Tables 1 and 2 at the end of the terminal CDS for output component values and IDF format.</p>
	NN+1- NN+2	Output device field count (ODFC) (two columns, one byte). Enter the number of output devices in the output device field. Enter 00 if none.
	NN+3- PP	<p>Output device field (ODF). (PP is the last column used for this field). Enter as applicable:</p> <ol style="list-style-type: none"> For a single output terminal type device enter the output device type byte from Table 1. For a CU type device with multiple output components enter an ordered sequence of bytes, one for each possible output component position. Enter 00 if there is no component in a particular position. <p>Refer to Tables 1 and 2 at the end of the terminal CDS for output component values and CDS format.</p>
	PP+1- PP+2	Control unit poll sequence count (CUPSC). Enter in hex the count of CUPS characters in CUPS field. Maximum value is 14. Enter 00 if none.
	PP+3- RR	<p>Control unit poll sequence (CUPS). (RR is last column used for this field.) Enter polling characters required to poll control unit on a multi-point line. If the CU requires address character duplication, enter both characters. All characters must be in hex representation of EBCDIC. Do not enter Data Link control characters or Component Select characters.</p> <p>NOTE: For a 2740 Model 1 with transmit control, a hex 61 poll sequence must be entered.</p>
	RR+1- RR+2	Control unit selection sequence count (CUSSC). Enter in hex the count of CUSS characters in CUSS field. Maximum value is 14. Enter 00 if none.

-----CDS CONTINUED ON NEXT PAGE-----

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	RR+3- SS	Control unit selection sequence (CUSS). (SS is the last column used for this field.) Enter the characters required to select the control unit on a multipoint line. If CU requires an address character duplication, enter both characters. All characters must be in hex representation of EBCDIC. Do not enter Data Link control characters or Component Select characters.
	SS+1- SS+2	Dial digit count (DDC). Enter the count of dial digits in DD field. Dial digits are valid only if the device resides on a switched line. Enter 00 if there are no digits. Maximum value is 32.
	SS+3- TT	Dial digits (DD). (TT is the last column used for this field.) Enter the dial digits for initiating a call to the device, in hex representation of EBCDIC. For example: 0 = F0, 9 = F9. Use the dash (-) hex 60, one or more times as required, for a dialing pause of one second before the next digit is dialed. This pause will allow for a "secondary" dial tone. Dashes must be included in the dial digit count. NOTE: The dialing pause is valid only for devices attached to 370X with NCP. If the dial unit has hardware delay or pause capability, the SEP character hex 6D may be entered in place of the NCP dialing pause character.
	TT+1- TT+2	Identification characters count (ICC). Enter the count of characters in the IC field. This entry is valid only for devices on switched lines. Maximum value is 15. Enter 00 if none.
	TT+3- UU	Identification characters (IC). (UU is the last column used for this field.) Enter the characters for ID exchange and verification required for device. Do not enter any security identification characters.
	UU+1- UU+2	Security identification character count (SICC). Enter the count of the characters in the security identification character field. SICs are valid only for devices on switched lines with ID exchange and verification. Maximum value is 15. Enter 00 if none.
	UU+3- VV	Security identification characters (SIC). (VV is the last column used for this field.) Enter the characters for security ID exchange and verification required for device. These characters are the ones transmitted by the device.
	VV+1	Enter a slash (/) to indicate end of terminal CDS entry.

Table 1. Input/Output Device Field

MEDIA	INPUT	OUTPUT	DEVICE TYPE VALUE
CPU/ Programmed Terminal Keyboard			01
	1052		10
	2740		10
	2741		10
	2972		10
Print		Selectric	20
		1052	20
		1053	20
		2740	20
		2741	20
		2203/3780	21
		2213	22
	1443	23	
Card	1056	1057/1058	30
	5496	5496	31
	2502/3780	545	32
	1442	1442/3781	33
Display	3277	3277	40
	2265	2265	41
Paper Tape	1054	1055	50
	1017	1018	51
Magnetic Tape/Card	IBM 50		60
	1255		61

Table 2. Device Field Format. (Use this table for CDS IDF/ODF layout.)

Instructions:

1. Find device type in Table 1 input or output column.
2. Determine components attached to the device (i.e., 1056 in RDR 1 position on a 1050).
3. Find device type value in Table 1 for each component.
4. Put device type from the table (indicated position number = #N) of CDS IDF/CDS field. For example: For a 1056, 30 would be the input device position #2 and would go in the second byte of IDF CDS field.

INPUT DEVICE	#1	#2	#3	#4	#5 - #N
1050	Keyboard	RDR 1	RDR 2	N/A	N/A
2780/3780	RDR	N/A	N/A	N/A	N/A
3780 with Component Select	N/A	Input 2	Input 3	N/A	N/A
2770	Keyboard	Input 2	Input 3	Input 4	N/A
2972 Station Address	0	N/A	N/A	N/A	N/A

OUTPUT DEVICE	#1	#2	#3	#4	#5 - #N
1050	PRT 1	PRT 2	PUN 1	PUN 2	N/A
2780/3780	PRT	PUN	N/A	N/A	N/A
3780 with Component Select	Printer	Output 2	Output 3	N/A	N/A
2770	Printer	Output 2	Output 3	Output 4	N/A
2972 Station Address	0	1	2	3	4 through 9
	Alternate address 0-9 is #11-#20. Common buffer address is #21.				

>> 3700 API ECHO

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY
			4		A				/				

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE															
0-3	10-17	Unit Address. This address is right-justified (punched 0000000A). The native subchannel address of the 3704/3705 is to be used for communication with the line.															
4	18-19	Terminal flags. Leave columns blank.															
5	20-21	Feature byte. Enter hex 80 if terminal is ASCII; otherwise leave blank.															
6-7	22-25	Class and Type code. For 3270, enter: 421D. For all others, enter: 4420.															
8	26-29	Columns not used, leave blank.															
9	30-31	Flags code. Enter as applicable. Hex values with an asterisk (*) are mandatory. <table border="1" data-bbox="324 934 519 1186"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device can be accessed by another system or has another path to the same system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>Symbolic name assignment.</td> </tr> <tr> <td></td> <td>4</td> <td>This device or its control unit has Two-Channel Switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is an FE/Customer-assigned name. This bit must be 1 for terminal CDSs.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device can be accessed by another system or has another path to the same system.	31	*8	Symbolic name assignment.		4	This device or its control unit has Two-Channel Switch installed.		*2	This symbolic-named CDS entry is an FE/Customer-assigned name. This bit must be 1 for terminal CDSs.
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A-B	32-35	Columns not used; leave blank.															
C-13	36-43	Symbolic name. Enter name assigned to this device. The name must be the same as in the Network Control Program (NCP) system generation or TP access method.															
14-17	44-51	Columns not used; leave blank.															
18	52	Enter a slash (/) to indicate end of CDS entry.															

>> 3700 LINE (FIRST OF TWO CDS CARDS)

NOTE: For NCP definition or additional information, refer to D99-3700A.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			4	4	2		A		0	0		E	00000 *

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE															
0-3	10-17	Device address. Enter native subchannel address of 370X with NCP used for communication with the line.															
4	18-19	Terminal flags. Leave blank.															
5	20-21	Feature code. None defined; leave columns blank.															
6-7	22-25	Class and type code for 3700 lines; enter: 4420.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" data-bbox="354 940 552 1186"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device accessible by another system or has another path to the same system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>Symbolic name assigned.</td> </tr> <tr> <td></td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name. This bit must be 1 for Line CDSs.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY	Description	30	4	Device accessible by another system or has another path to the same system.	31	*8	Symbolic name assigned.		4	This device or its control unit has two-channel switch installed.		*2	This symbolic-named CDS entry is a FE/customer-assigned name. This bit must be 1 for Line CDSs.
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	4	This device or its control unit has two-channel switch installed.															
	*2	This symbolic-named CDS entry is a FE/customer-assigned name. This bit must be 1 for Line CDSs.															
A-B	32-35	Columns not used; leave blank.															
C-13	36-43	Symbolic name. Enter name assigned to this line. The name must be the same as in the Network Control Program (NCP) system generation or TP access method.															
*****	*****	OLTT Control Program (CP) fixed area. Used by the OLTT CP to control TP line that the device resides on.															
14	44-45	Enter hex 10 (OLTT CP fixed area length for line CDS).															
15	46-47	Flag byte 1. Line CDS. Enter hex 00.															
16	48-49	Flag byte 2. Nothing defined; leave columns blank.															
17	50-51	Columns not used; leave blank.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																		
18-19	52-55	Destination name assigned by NCP at SYSGEN (Node and Resource ID).																		
1A-1B	56-59	Columns not used; leave blank.																		
1C	60-61	Device type - line CDS. Enter hex E0.																		
1D	62-63	Line control. Enter hex 00.																		
1E	64-65	Line code. Enter hex 00.																		
1F	66-67	Columns not used; leave blank.																		
20	68-69	Enter line control definer (LCD) setting from the GENEND macro or the next Start BH group, or line macro expansion of the stage-1 NCP SYSGEN listing. (This field is not required for NCP-3, but is required with earlier versions of NCP. Field may be left blank if NCP-3 is used.) Enter as applicable: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Start/stop (9/6)</td> </tr> <tr> <td>02</td> <td>Start/stop (8/5)</td> </tr> <tr> <td>04</td> <td>Start/stop (9/7)</td> </tr> <tr> <td>05</td> <td>Start/stop (10/7)</td> </tr> <tr> <td>06</td> <td>Start/stop (10/8)</td> </tr> <tr> <td>07</td> <td>Start/stop (11/8)</td> </tr> <tr> <td>0C</td> <td>Bi-sync (EBCDIC)</td> </tr> <tr> <td>0D</td> <td>Bi-sync (ASCII)</td> </tr> </tbody> </table>	HEX ENTRY		00	Start/stop (9/6)	02	Start/stop (8/5)	04	Start/stop (9/7)	05	Start/stop (10/7)	06	Start/stop (10/8)	07	Start/stop (11/8)	0C	Bi-sync (EBCDIC)	0D	Bi-sync (ASCII)
HEX ENTRY																				
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06	Start/stop (10/8)																			
07	Start/stop (11/8)																			
0C	Bi-sync (EBCDIC)																			
0D	Bi-sync (ASCII)																			
21	70-71	Enter CSB number code as given in MOD= operand of the CSB macro in the stage-1 SYSGEN listing. (This field is not required for NCP-3, but is required with earlier versions of NCP. Field may be left blank if NCP-3 is used.) Enter as applicable. <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MOD=0</td> </tr> <tr> <td>2</td> <td>MOD=1</td> </tr> <tr> <td>3</td> <td>MOD=2</td> </tr> <tr> <td>4</td> <td>MOD=3</td> </tr> </tbody> </table>	HEX ENTRY		1	MOD=0	2	MOD=1	3	MOD=2	4	MOD=3								
HEX ENTRY																				
1	MOD=0																			
2	MOD=1																			
3	MOD=2																			
4	MOD=3																			
	72	Enter an asterisk (*) for continuation card.																		

>> 3700 LINE (SECOND OF TWO CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
22	16-17	Flags code. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		16	8
			4
			2
			17
		Type 1 CSB - From TYPE= operand of CSB macro in NCP SYSGEN. (Not required for NCP-3, but is required with earlier NCP versions.)	
		Line attached through a 1200 bps integrated modem.	
		For NCP-3: Line is attached through a 2400 bps integrated modem or through an external 3872/3874/3875.	
		For earlier NCP versions: Line is attached through a 2400 bps integrated modem.	
		Nothing defined; leave column blank.	
23	18-19	Oscillator select byte from NCP SYSGEN "LINE" macro. (This field is not required for NCP-3, but is required with earlier versions. It may be left blank if NCP-3 is used.)	
24-29	20-31	Columns not used; leave blank.	
	32	Enter a slash (/) to indicate end of LINE CDS entry.	

>> 3700 NCP (FIRST CARD OF TWO CARDS)

NOTES: The NCP CDS is a Local CDS and must be placed before the terminal and line CDS entries in the CDS deck. For NCP definitions or additional information, refer to the OLTT User's Guide, D99-3700A.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			4	4	2	0			8			F	0*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address. Enter subchannel address of 370X used for communication with device.	
4	18-19	Terminal flags. Leave blank.	
5	20-21	Feature code. None defined; leave columns blank. See preceding NOTES.	
6-7	22-25	Class and type code for 3700 terminals; enter: 4420.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory:	
	CARD COLUMN	HEX ENTRY	
	30	4	Device accessible by another system or has another path to the same system.
	31	*8	Symbolic name assigned.
		4	This device or its control unit has two-channel switch installed.
		2	This bit must be 0 for NCP CDSs.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED		
A-B	32-35	Columns not used; leave blank.		
C-13	36-43	Symbolic name. Enter address assigned to this NCP. The name must be the same as that specified in the "NEWNAME" operand of the BUILD macro in the Network Control Program (NCP) system generation, with a "C" suffix appended; i.e., if "NEWNAME" = RTP, enter RTPC.		
*****	*****	OLTT Control Program (CP) fixed area. Used by the OLTT CP to control TP line that the device resides on.		
14	44-45	Enter OLTT CP fixed area length. Enter number of CDS bytes from (and including) this length byte to the end of CDS. Minimum is 12 bytes (0C).		
15	46-47	Flag byte 1. Enter zeros for NCP CDS.		
16	48-49	Flag byte 2.		
		CARD COLUMN	HEX ENTRY	
		48	8	NCP is a level 3 NCP.
			4	Reserved for NCP simulation.
			2	Reserved for TRACE.
		49		Nothing defined; leave column blank.
17	50-51	Maximum Subarea (NCP-3 or greater)		
18-19	52-55	Destination name assigned by NCP SYSGEN (Sub area and Resource ID).		
1A-1B	56-59	Origination address field used by NCP-3 only (assigned by SYSGEN).		
1C	60-61	Device type. Enter F0 for NCP CDS.		
1D	62-63	Line control. Leave blank.		
1E	64-65	Line code. Leave blank.		
1F	66-67	Columns not used; leave blank.		
20-21	68-71	Enter the host buffer size in hex given in the UNITSZ= operand of the host macro in the stage-1 SYSGEN listing in decimal. Punch the hex value.		
	72	Enter an asterisk (*) for continuation on next card.		

>> 3700 NCP (SECOND OF TWO CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED		
	1-15	Leave columns 1-15 of continuation card blank.		
22	16-17	Flags. Enter as applicable:		
		CARD COLUMN	HEX ENTRY	
		16	8	PAD characters prefixed to BTH.
		17		Nothing defined; leave column blank.
23	18-19	Columns not used; leave blank.		
24+	20-21	Number of prefix characters. Enter the hex value.		
	22-NN	Host ID characters. (NN is the last column of this entry.) Enter the host ID characters from the CUID= operand of BUILD macro in the NCP SYSGEN. Enter characters in hex.		
	NN+1	Enter a slash (/) in an even column to indicate end of NCP CDS entry.		

>> 3704 COMMUNICATIONS CONTROLLER (FIRST OF FOUR CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	4009											*	

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Enter native subchannel unit address, right justified.	
4	18-19	Model code. None defined; leave columns blank.	
5	20-21	Feature code (CS = Communications Scanner, CA = Channel Adapter)	
		CARD COLUMN	HEX ENTRY
		20	8 4 2 1
		21	8 4 2 1
			Always 0. 1 = NCP used by customer. 0 = NCP not used. Always 0. 1 = Type 1 CS installed. 0 = Type 1 CS not installed. 1 = Type 2 CS installed. 0 = Type 2 CS not installed. Always 0. 1 = Type 1 CA installed. 0 = Type 1 CA not installed. Always 0.
6-7	22-25	Class and type code for 3704; enter: 4009.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
			Device shared with another system. This device or its control unit has two-channel switch installed.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
A-B	32-35	Columns not used; leave blank.
C-D	36-39	Enter unit address of lowest 2701, 2702, or 2703 emulator line in hex. (See NOTE on Range Definition.)
E	40-41	<p>Enter the number of contiguous emulator line addresses in hex. (See NOTE on Range Definition.)</p> <p>NOTE: RANGE DEFINITION - It is mandatory that each address in the emulator address range be defined by a 2701, 2702, or 2703 CDS entry in order to use that address as a test device address. It is recommended that a CDS entry be included for all addresses in the range to prevent excessive printout for addresses not assigned. To use a large range of emulator addresses, the following dummy CDS entry can be inserted for each unused channel address to minimize OLT printout:</p> <pre> CARD COLUMNS----> 2-4 10-17 22-25 52 ENTRY-----> CDS DEV ADDR 4001 / </pre>
F-13	42-51	Columns not used; leave blank.
14-1B	52-67	Enter name of the NCP load module in hex (value of the NEWNAME= operand of the BUILD macro in the stage-1 NCP SYSGEN listing) left-justified with a hex C3 suffix added to it. A hex 40 must be added in each unused column of this field following the hex C3. Leave columns blank if NCP is not installed.
1C-1D	52-67	Columns not used; leave blank.
	72	Enter an asterisk (*) for continuation on next card.

>> 3704 COMMUNICATIONS CONTROLLER (SECOND OF FOUR CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																
	1-15	Leave columns 1-15 of continuation card blank.																
		Following is an index of the descriptive information for each portion (adapter) of the 3704. Each entry is two bytes and contains an address or pointer to an associated data block. Enter as applicable; otherwise, leave column(s) blank. IFT/Adapter Type (Leave blank if not installed) <table border="1"> <thead> <tr> <th>CDS Address of Data Block (pointer to adapter description)</th> <th>Block Type (Data block with adapter description)</th> </tr> </thead> <tbody> <tr> <td>11 23</td> <td>(A) CCU</td> </tr> <tr> <td>20-2F</td> <td>Reserved, leave columns blank.</td> </tr> <tr> <td>30-31 52-55</td> <td>(B) Type 1 Channel Adapter (CA)</td> </tr> <tr> <td>32-35 56-63</td> <td>Reserved, leave columns blank.</td> </tr> <tr> <td>36-37 64-67</td> <td>(D) Type 1 Communications Scanner (CS)</td> </tr> <tr> <td>38-39 68-71</td> <td>(D) Type 2 Communications Scanner (CS)</td> </tr> </tbody> </table>			CDS Address of Data Block (pointer to adapter description)	Block Type (Data block with adapter description)	11 23	(A) CCU	20-2F	Reserved, leave columns blank.	30-31 52-55	(B) Type 1 Channel Adapter (CA)	32-35 56-63	Reserved, leave columns blank.	36-37 64-67	(D) Type 1 Communications Scanner (CS)	38-39 68-71	(D) Type 2 Communications Scanner (CS)
CDS Address of Data Block (pointer to adapter description)	Block Type (Data block with adapter description)																	
11 23	(A) CCU																	
20-2F	Reserved, leave columns blank.																	
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36-37 64-67	(D) Type 1 Communications Scanner (CS)																	
38-39 68-71	(D) Type 2 Communications Scanner (CS)																	
	72	Enter an asterisk (*) for continuation card.																

>> 3704 COMMUNICATIONS CONTROLLER (THIRD OF FOUR CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED								
	1-15	Leave columns 1-15 of continuation card blank.								
3A-43	16-35	Reserved, leave columns blank.								
44-45	36-39	Enter FFFF to indicate end-of-index-blocks entry.								
46	40-41	CCU block A. Enter as applicable.								
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>40</td> <td></td> </tr> <tr> <td>41</td> <td></td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY	40		41		Nothing defined; leave column blank. Enter number of 16K blocks of main storage.	
CARD COLUMN	HEX ENTRY									
40										
41										
47	42-43	Columns not used; leave blank.								
48	44-45	Type 1 CA - block B. Enter native subchannel (NSC) unit address - interface A.								
49-4D	46-55	Columns not used; leave blank.								

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
4E	56-57	Type 1 or type 2 scanner - block D. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		56	8 Type 1 CS
		57	4 Type 2 CS
			Nothing defined; leave column blank.
4F	58-59	Columns not used; leave blank.	
50	60-61		
		CARD COLUMN	HEX ENTRY
		60	8 Type 2 Scanner expansion, specify code 9090
		61	Nothing defined; leave column blank.
51	62-63	Reserved for RPQ description.	
52	64-65	Speed - oscillator position 1 (oscillator 00). Enter as applicable:	
		HEX ENTRY	
		01	45.5 bps
		03	50.0
		05	56.89
		07	74.2
		09	75.0
		0B	100.0
		0D	110.0
		0F	134.5
		11	150.0
		13	200.0
		14	300.0
		15	600.0
		16	950.0
		17	1200.0
		18	1050.0 RPQ
		19	2000.0
		1B	2400.0
53	66-67	Speed - oscillator position 2 (oscillator 01). Enter speed, refer to oscillator position 1 for layout (card columns 64-65).	
54	68-69	Speed - oscillator position 3 (oscillator 02). Enter speed, refer to oscillator position 1 for layout (card columns 64-65).	
55	70-71	Speed - oscillator position 4 (oscillator 03). Enter speed, refer to oscillator position 1 for layout (card columns 64-65).	
	72	Enter an asterisk (*) for continuation card.	

>> 3704 COMMUNICATIONS CONTROLLER (FOURTH OF FOUR CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																																												
	1-15	Leave columns 1-15 of continuation card blank.																																												
56	16-17	LIB type code for position 1. Enter the code for the LIB type. For example: for type 1, enter 01; for type 2, enter 02, etc; for type A1, enter 11. For type 10, enter 0A.																																												
57	18-19	LIB type code for position 2. Enter the code for the LIB type. See the example for position 1 (card columns 16-17).																																												
58-59	20-23	Columns not used; leave blank.																																												
5A-61	24-39	Code for line set types installed in LIB 1. Refer to Line Set Type chart and enter applicable code for lines installed. Leave column(s) blank if not installed.																																												
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>24-25</td> <td>*</td> <td>Code for lines 0 and 1</td> </tr> <tr> <td>26-27</td> <td>*</td> <td>Code for lines 2 and 3</td> </tr> <tr> <td>28-29</td> <td>*</td> <td>Code for lines 4 and 5</td> </tr> <tr> <td>30-31</td> <td>*</td> <td>Code for lines 6 and 7</td> </tr> <tr> <td>32-33</td> <td>*</td> <td>Code for lines 8 and 9</td> </tr> <tr> <td>34-35</td> <td>*</td> <td>Code for lines 10 and 11</td> </tr> <tr> <td>36-37</td> <td>*</td> <td>Code for lines 12 and 13</td> </tr> <tr> <td>38-39</td> <td>*</td> <td>Code for lines 14 and 15</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		24-25	*	Code for lines 0 and 1	26-27	*	Code for lines 2 and 3	28-29	*	Code for lines 4 and 5	30-31	*	Code for lines 6 and 7	32-33	*	Code for lines 8 and 9	34-35	*	Code for lines 10 and 11	36-37	*	Code for lines 12 and 13	38-39	*	Code for lines 14 and 15																	
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62-69	40-55	Code for line set types installed in LIB 2. Refer to code for LIB 1 (card columns 24-39) and enter data as applicable to LIB 2.																																												
	56	Enter a slash (/) to indicate end of CDS entry.																																												

D99-CDSGA-20

* >> 3705 COMMUNICATIONS CONTROLLER, SCANNERS 1 AND 2 (FIRST OF SEVEN CDS CARDS)

Note: If PEP 3705 and one chan. Adpt. Punch up both NCP and EP on one CDS.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2	3
				4	0	0	6							*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Enter native subchannel unit address in hex, right justified.	
4	18-19	Model code.	
		CARD COLUMN	HEX ENTRY
		18	4
		19	C
		Model E, F, G, or H with RPQ 8Q0058 installed (Cycle Utilization Counter)	
		Model J, K, or L	
		Column not used; leave blank.	
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		20	8
			4
			2
		21	8
			4
			2
			1
		Storage size greater than 64K. (If bit is off, storage size is 64K or less).	
		NCP used by customer.	
		Native sub channel (col. 10-17) is type 4 CA.	
		Type 1 communication scanner installed.	
		Type 2 communication scanner installed.	
		Type 3 communication scanner installed.	
		Native sub channel (col. 10-17) is type 1 CA.	
		Native sub channel (col. 10-17) is type 2 or 3 CA.	
6-7	22-25	Class and type code for 3705; enter: 4006.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system.	
		This device or its control unit has two-channel switch installed.	
A-B	32-35	Columns not used; leave blank.	

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED										
C-D	36-39	Emulator subchannel (ESC) unit address. Enter in hex the address of the lowest 2701, 2702, or 2703 emulator line. (Determined by channel adapter jumper options.) (Refer to NOTE on range definition.) Leave blank if emulator not used.										
E	40-41	<p>Enter number of contiguous emulator line addresses in HEX. Leave blank if emulator not used.</p> <p>NOTE: RANGE DEFINITION. It is mandatory that each address in the described emulator address be defined by a 2701, 2702, or 2703 CDS entry in order to use that address as a test device address. It is recommended that a CDS entry be included for all addresses in the range to prevent a "NO CDS ENTRY" message for each undefined address. To use a large range of emulator addresses, the following dummy CDS can be inserted for each unused subchannel address to minimize OLT printouts:</p> <table border="0" data-bbox="363 680 1235 737"> <tr> <td>CARD COLUMNS-----</td> <td>2-4</td> <td>10-17</td> <td>22-25</td> <td>52</td> </tr> <tr> <td>ENTRY-----</td> <td>CDS</td> <td>DEV ADDR</td> <td>4001</td> <td>/</td> </tr> </table>	CARD COLUMNS-----	2-4	10-17	22-25	52	ENTRY-----	CDS	DEV ADDR	4001	/
CARD COLUMNS-----	2-4	10-17	22-25	52								
ENTRY-----	CDS	DEV ADDR	4001	/								
F-13	42-51	Columns not used; leave blank										
14-1B	52-67	Enter name of the NCP load module in hex (value of the NEWNAME= operand of the BUILD macro in the stage-1 NCP SYSGEN listing) left-justified with a hex C3 suffix added to it. A hex 40 must be added in each unused column of this field following the hex C3. Leave columns blank if NCP is not installed.										
1C-1D	68-71	Columns not used; leave blank.										
	72	Enter an asterisk (*) for continuation on next card.										

>> 3705 COMMUNICATIONS CONTROLLER, SCANNERS 1 AND 2 (SECOND OF SEVEN CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED			
	1-15	Leave columns 1-15 of continuation card blank.			
		Following is an index of the descriptive information for each portion (adapter) of the 3705. Each entry contains an address or pointer to the associated data block. Enter as applicable; otherwise, leave blank. <u>IFT/Adapter Type</u> (Leave blank if not installed) <u>CDS Address of Data Block</u> (Pointer to adapter description) <u>Block Type</u> (Data block with adapter description)			
1E-1F	16-19	11	23	(A)	CCU
20-21	20-23	22	23	(A)	Storage BSM 2 (blank if FET)
22-23	24-27	32	23	(A)	Storage BSM 3 (blank if FET)
24-25	28-31	42	23	(A)	Storage BSM 4 (blank if FET)
26-27	32-35	52	23	(A)	Storage BSM 5 (blank if FET)
28-29	36-39	62	23	(A)	Storage BSM 6 (blank if FET)
2A-2B	40-43	72	23	(A)	Storage BSM 7 (blank if FET)
2C-2D	44-47	82	23	(A)	Storage BSM 8 (blank if FET)
2E-2F	48-51	12	23	(A)	Storage BSM 1, or FET storage installed
30-31	52-55	13	22	(B)	Type 1 channel adapter in 1st position.
		14	22	(C)	If type 2 or type 3 CA in 1st position.
		19	22	(C)	If type 4 CA in 1st position.
32-33	56-59	24	24	(C)	Type 2 or type 3 CA in 2nd position.
		29	24	(C)	If type 4 CA in 2nd position.
34-35	60-63	39	25	(C)	If type 4 CA in 3rd position.
36-37	64-67	49	26	(C)	If type 4 CA in 4th position.
38-39	68-71	15	27	(D)	Type 1 communications scanner (first scanner), or
		16	27	(D)	Type 2 communications scanner (first scanner), or
		17	27	(D)	Type 3 or Type 3 Hi-Speed communications scanner (first scanner)
72		Enter an asterisk (*) for continuation on next card.			

>> 3705 COMMUNICATIONS CONTROLLER, SCANNERS 1 AND 2 (THIRD OF SEVEN CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
		Continuation of descriptive information	
3A-3B	16-19	26	3D (E) Type 2 scanner (second scanner), or
	16-19	27	3D (E) Type 3 or Type 3 Hi-Speed scanner (second scanner)
3C-3D	20-23	36	91 (E) Type 2 scanner (third scanner), or
	20-23	37	91 (E) Type 3 or Type 3 Hi-Speed scanner (third scanner)
3E-3F	24-27	46	B0 (E) Type 2 scanner (fourth scanner), or
	24-27	47	B0 (E) Type 3 or Type 3 Hi-Speed scanner (fourth scanner)
40-41	28-31	Nothing defined; leave columns blank.	
42-43	32-35	Enter FFFF to indicate end of index blocks.	
*****DATA BLOCK FORMATS*****			
		Type 1, 2, 3, or 4 channel adapter (block C - first machine frame). Enter as applicable, or leave block blank if not installed.	
44	36-37	NSC unit address - interface A	
45	38-39	Channel adapter definition. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		38	8 Governor speed for cycle steal: If EC 318882 is installed.
			4 If 277K bytes (normal for type 2 or 3 CA).
			3 If 188K bytes.
			2 If 92K bytes.
			1 If 49K bytes.
			0 If type 1, or type 4 channel adapter.
		39	1 This data block is for the 1st machine frame channel adapter.
46	40-41	CCU (Block A). Enter as applicable:	
		****BSM DEFINITION****	
		CARD COLUMN	HEX ENTRY
		40	8 FET storage (models E-L)
		41	x Enter number of BSMs if Bridge Storage, or number of 32K increments if FET Storage, is installed in the machine: enter in hexadecimal. NOTE: Card columns 40+41=90 if 512K of FET storage installed.
47	42-43	RPQ description. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		42	0
		43	6 If RPQ 858911 and MK5393 are installed.
			2 If RPQ 858911 for type 2 scanner.
			1 If RPQ 858655 for type 3 scanner.
		NOTE: For RPQ 858912 see 3705 TIP 203.	

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE		CARD COLUMN	CDS FILE CONTINUED	
*****	*****		Second channel adapter definition (Block C). Enter as applicable, or leave block blank if not installed.	
48	44-45		Type 2,3, or 4 channel adapter (Block C). Enter NSC unit address (interface A).	
49	46-47		Channel adapter definition. Enter as applicable: 2 or 3 CA) The follow	
		CARD COLUMN	HEX ENTRY	
		46	8	Governor speed for cycle steal:
			4	If EC 318882 is installed.
			3	If 277K bytes (normal for type 2 or 3 CA).
			2	If 188K bytes.
			1	If 92K bytes.
			0	If 49K bytes.
		47	0	If type 1, or type 4 channel adapter.
			2	If the 2nd channel adapter is a type 2 or 3 channel adapter.
				If the 2nd channel adapter is a type 4 in the 2nd machine frame.
			1	If the 2nd channel adapter is a type 4 in the 1st machine frame.
*****	*****		Third channel adapter (block C - second machine frame). Enter as applicable, or leave block blank if not installed.	
4A	48-49		Enter NSC unit address (interface A).	
4B	50-51		Channel adapter definition. Enter as applicable:	
		CARD COLUMN	HEX ENTRY	
		50	0	Governor speed for cycle steal:
				--- if type 4 channel adapter
		51	2	This data block is for second frame channel adapter.

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
***** 4C 4D	***** 52-53 54-55	Fourth Type 4 channel adapter (block C - second machine frame). Enter as applicable, or leave block blank if not installed. Enter NSC unit address (interface A). Channel adapter definition. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		54 55	0 2
		---if type 4 channel adapter. This data block is for second frame channel adapter.	
***** 4E	***** 56-57	Type 1, 2, or 3 type scanner (block D - first or only scanner installed). Enter as applicable; otherwise, leave column(s) blank. Communications scanner type. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		56 57	8 4 3 2 0
		Type 1 communications scanner. Type 2 communications scanner. Type 3 HI-SPEED communications scanner. Type 3 communications scanner. First communications scanner address bits.	
4F-50	58-61	Columns not used; leave blank.	
51	62-63	RPQ description. Enter as applicable; otherwise, leave column(s) blank.	
		CARD COLUMN	HEX ENTRY
		62 63	8 4 2 2 1 1
		Nothing defined; leave column blank. If RPQ S30114 is installed. If RPQ 858678 is installed. If type 2 Comm. Scanner RPQ 858680. If type 3 Comm. Scanner RPQ EH4100. If type 2 Comm. Scanner RPQ 858657. If type 3 Comm. Scanner RPQ 858912.	
52	64-65	Speed of oscillator position 1 (oscillator 00). Enter as applicable:	
		HEX ENTRY	
		00 01 03 05 07 09 0B 0D 0F 11 13 14 15 16 17 18 19 1B	Oscillator not installed. 45.5 bps 50.0 56.89 74.2 75.0 100.0 110.0 134.5 150.0 200.0 300.0 600.0 950.0 1200.0 1050.0 (RPQ M02116) 2000.0 2400.0

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
53	66-67	Speed of oscillator position 2 (oscillator 01). Enter as applicable; refer to oscillator position 1 (card columns 64-65) for entry.
54	68-69	Speed of oscillator position 3 (oscillator 02). Enter as applicable; refer to oscillator position 1 (card columns 64-65) for entry.
55	70-71	Speed of oscillator position 4 (oscillator 03). Enter as applicable; refer to oscillator position 1 (card columns 64-65) for entry.
	72	Enter an asterisk (*) for continuation on next card.

>> 3705 COMMUNICATIONS CONTROLLER, SCANNERS 1 AND 2 (FOURTH OF SEVEN CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																											
	1-15	Leave columns 1-15 of continuation card blank.																											
56	16-17	LIB type code for position 1. Enter the code for the LIB type. For example: If type 1, enter 01; for type 2, enter 02, etc; for type 10, enter 0A; for type 11, enter 0B. If not installed, enter 00.																											
57	18-19	LIB type code for position 2. Enter the code for the LIB type (see examples for position 1).																											
58	20-21	LIB type code for position 3. Enter the code for the LIB type (see examples for position 1).																											
59	22-23	LIB type code for position 4. Enter the code for the LIB type (see examples for position 1).																											
5A-61	24-39	Code for line set types installed in LIB 1. Refer to Line Set Type Chart and enter applicable code for lines installed. Leave column(s) blank if not installed.																											
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>24-25</td> <td>*</td> <td>Code for lines 0 and 1</td> </tr> <tr> <td>26-27</td> <td>*</td> <td>Code for lines 2 and 3.</td> </tr> <tr> <td>28-29</td> <td>*</td> <td>Code for lines 4 and 5.</td> </tr> <tr> <td>30-31</td> <td>*</td> <td>Code for lines 6 and 7.</td> </tr> <tr> <td>32-33</td> <td>*</td> <td>Code for lines 8 and 9.</td> </tr> <tr> <td>34-35</td> <td>*</td> <td>Code for lines A and B.</td> </tr> <tr> <td>36-37</td> <td>*</td> <td>Code for lines C and D.</td> </tr> <tr> <td>38-39</td> <td>*</td> <td>Code for lines E and F.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		24-25	*	Code for lines 0 and 1	26-27	*	Code for lines 2 and 3.	28-29	*	Code for lines 4 and 5.	30-31	*	Code for lines 6 and 7.	32-33	*	Code for lines 8 and 9.	34-35	*	Code for lines A and B.	36-37	*	Code for lines C and D.	38-39	*	Code for lines E and F.
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34-35	*	Code for lines A and B.																											
36-37	*	Code for lines C and D.																											
38-39	*	Code for lines E and F.																											
* Line Set Type Chart. Enter code as applicable from the following chart:																													
CDS CONTINUED ON NEXT PAGE																													

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																																												
		L I N E S E T T Y P E C H A R T																																												
		<table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>None installed.</td> </tr> <tr> <td>01</td> <td>Line set type A (e.g., 1A, 2A, 3A, 4A, etc.) Use this code to define a pair of installed line addresses for a LIB type that does not have a line set type specified.</td> </tr> <tr> <td>02</td> <td>Line set type B (e.g., 1B, 3B, 4B, etc.)</td> </tr> <tr> <td>03</td> <td>Line set type C (e.g., 1C, 4C, etc.)</td> </tr> <tr> <td>04</td> <td>Line set type D</td> </tr> <tr> <td>05</td> <td>Line set type E</td> </tr> <tr> <td>06</td> <td>Line set type F</td> </tr> <tr> <td>07</td> <td>Line set type G or GA</td> </tr> <tr> <td>08</td> <td>Line set type H</td> </tr> <tr> <td>0A</td> <td>Line set type J</td> </tr> <tr> <td>0B</td> <td>Line set type K</td> </tr> <tr> <td>0D</td> <td>Line set type S</td> </tr> <tr> <td>0E0E</td> <td>Line set type T or TA (must define 2 partitions for each line set)</td> </tr> <tr> <td>0F0F</td> <td>Line set type U (must define 2 partitions for each line set)</td> </tr> <tr> <td>10</td> <td>Line set type W</td> </tr> <tr> <td>1313</td> <td>Line set type Z (must define 2 partitions for each line set)</td> </tr> <tr> <td>30</td> <td>SABRE RPQ (858657) Type 2 scanner only.</td> </tr> <tr> <td>34</td> <td>Reverse channel RPQ (858664)</td> </tr> <tr> <td>38</td> <td>X-Y Plotter RPQ (858663) Type 2 scanner only.</td> </tr> <tr> <td>39</td> <td>Line set type 1N or 1R, Non-Switched, Duplex/Half Duplex, Medium to High Speed, for type 2 or 3 Communication Scanner, World Trade Only.</td> </tr> <tr> <td>3A</td> <td>Line Set type 1N or 1R, Switched, Duplex, Medium to High Speed, for type 2 Communication Scanner, World Trade Only.</td> </tr> </tbody> </table>	HEX ENTRY		00	None installed.	01	Line set type A (e.g., 1A, 2A, 3A, 4A, etc.) Use this code to define a pair of installed line addresses for a LIB type that does not have a line set type specified.	02	Line set type B (e.g., 1B, 3B, 4B, etc.)	03	Line set type C (e.g., 1C, 4C, etc.)	04	Line set type D	05	Line set type E	06	Line set type F	07	Line set type G or GA	08	Line set type H	0A	Line set type J	0B	Line set type K	0D	Line set type S	0E0E	Line set type T or TA (must define 2 partitions for each line set)	0F0F	Line set type U (must define 2 partitions for each line set)	10	Line set type W	1313	Line set type Z (must define 2 partitions for each line set)	30	SABRE RPQ (858657) Type 2 scanner only.	34	Reverse channel RPQ (858664)	38	X-Y Plotter RPQ (858663) Type 2 scanner only.	39	Line set type 1N or 1R, Non-Switched, Duplex/Half Duplex, Medium to High Speed, for type 2 or 3 Communication Scanner, World Trade Only.	3A	Line Set type 1N or 1R, Switched, Duplex, Medium to High Speed, for type 2 Communication Scanner, World Trade Only.
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62-69	40-55	Code for line set types installed in LIB 2. Refer to codes for LIB 1 (card columns 24-39) and enter as applicable for LIB 2.																																												
6A-71	56-71	Code for line set types installed in LIB 3. Refer to codes for LIB 1 (card columns 24-39) and enter as applicable for LIB 3.																																												
	72	Enter an asterisk (*) for continuation on next card.																																												

>> 3705 COMMUNICATIONS CONTROLLER, SCANNERS 1 AND 2 (FIFTH OF SEVEN CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
72-79	16-31	Code for line set types installed in LIB 4. Refer to codes for LIB 1 (card 4, columns 24-39) and enter as applicable for LIB 4.
*****	*****	Type 2 or 3 scanner (second scanner - block E).
		NOTE: Type 2 or 3 scanner defined by block type E is identical to block type D except for installed position and number of LIBs available. Refer to block D for data format.
		If no scanner is installed, enter a slash (/) in column 32 to indicate end of CDS and omit the asterisk (*) in column 72.
CDS CONTINUED ON NEXT PAGE		

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
7A	32-33	Communications scanner definition. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		32	4
			3
			2
		33	1
		Must be type 2 communications scanner.	
		Must be type 3 HI-SPEED communications scanner.	
		Must be type 3 communications scanner.	
		Communications scanner address bits for second scanner.	
7B-7C	34-37	Columns not used; leave blank.	
7D	38-39	RPQ definition. Refer to Type 2 communications scanner 1 data.	
7E-81	40-47	Oscillator speed codes. Refer to Type 2 communications scanner 1 data.	
82-87	48-59	LIB type codes. Refer to Type 2 communications scanner 1 data.	
88-8D	60-71	LIB position 1 line set type lines 0-B. Refer to Type 2 communications scanner 1 data.	
	72	Enter an asterisk (*) for continuation on next card.	

>> 3705 COMMUNICATIONS CONTROLLER, SCANNERS 1 AND 2 (SIXTH OF SEVEN CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
8E-8F	16-19	LIB position 1 line set types for lines C-F. Refer to Type 2 communications scanner 1 data.	
90-97	20-35	LIB position 2 line set types. Refer to Type 2 communications scanner 1 data.	
98-9F	36-51	LIB position 3 line set types. Refer to Type 2 communications scanner 1 data.	
A0-A7	52-67	LIB position 4 line set types. Refer to Type 2 communication scanner 1 data.	
A8-A9	68-71	LIB position 5 line set types, lines 0-3. Refer to Type 2 communications scanner 1 data.	
	72	Enter an asterisk (*) for continuation on next card.	

>> 3705 COMMUNICATIONS CONTROLLER (SEVENTH OF SEVEN CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
AA-AF	16-27	LIB position 5 line set types lines 4-F.
B0-B7	28-43	LIB position 6 line set types.
B8-BC	44-53	Columns not used; leave blank.
BD-C2	54-65	Enter C3E4F3F7F0F5 if a 3rd of 4th scanner is installed.
C3-C4	66-69	Enter the hex representation of unique two-digit identification number assigned to this CDS by the CE. For example: For ID number 01, enter F0F1. If CS3 or CS4 is installed, this number must be the same as that in columns 42-43 of the symbolic CDS entry. If CS3 or CS4 is not installed, leave columns blank.
	70	Enter a slash (/) to indicate end of CDS entry.

>> 3705 COMMUNICATIONS CONTROLLER, COMMUNICATIONS SCANNERS 3 AND 4 (FIRST OF SIX CARDS)

NOTE: This CDS entry is necessary when communications scanners 3 and 4 are installed. The symbolic name of this CDS will be characters CU3705 plus a unique two-digit identification number. For example: CU370501. This CDS entry will be used only by T3705A. No reference to this CDS entry should be made with the "DEV/TEST/OPT" parameter. Place this CDS entry directly behind the first CDS entry for this device. It is used as an extension of the first CDS and is placed in contiguous storage following the 255 bytes assigned to the first CDS.

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE				
100-103	10-17	Device address. Not applicable; leave columns blank.				
104-105	18-21	Model and feature code. None defined; leave columns blank.				
106-107	22-25	Class and type code for 3705; enter: 4006.				
108	26-29	Columns not used; leave blank.				
109	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" data-bbox="349 1554 552 1669"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>31</td> <td>*8</td> </tr> </tbody> </table> This CDS entry is defined by a symbolic name in columns 36-43.	CARD COLUMN	HEX ENTRY	31	*8
CARD COLUMN	HEX ENTRY					
31	*8					
10A-10B	32-35	Columns not used; leave blank.				

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
10C-113	36-43	Symbolic name field. Enter as follows:	
		CARD COLUMN	HEX ENTRY
		36-41	* CU3705 (Mandatory entry)
		42-43	— Enter two-digit identification for box CDS. For example: 01.
114-121	44-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation card.	

>> 3705 COMMUNICATIONS CONTROLLER, COMMUNICATIONS SCANNERS 3 AND 4 (SECOND OF SIX CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
122	16-17	Installed communications scanner configuration. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		16	4 Must be type 2 communications scanner.
			3 Must be type 3 HI-SPEED communications scanner.
			2 Must be type 3 communications scanner.
		17	2 Communications scanner address bits for third scanner.
123-124	18-21	Columns not used; leave blank.	
125	22-23	RPQ definition. Refer to Type 2 communication scanner 1 data.	
126-129	24-31	Oscillator speed codes. Refer to Type 2 communications scanner 1 data.	
12A-12F	32-43	LIB type codes. Refer to Type 2 communications scanner 1 data for layout.	
130-137	44-59	LIB position 1 line set types. Refer to Type 2 communications scanner 1 data for layout.	
138-13D	60-71	LIB position 2 line set types for line 0-B. Refer to Type 2 communications scanner 1 data for layout.	
	72	Enter an asterisk (*) for continuation on next card.	

>> 3705 COMMUNICATIONS CONTROLLER, COMMUNICATIONS SCANNERS 3 AND 4 (THIRD OF SIX CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
13E-13F	16-19	LIB position 2 line set types for lines C-F. Refer to Type 2 communications scanner 1 data for layout.
140-147	20-35	LIB position 3 line set types. Refer to Type 2 communications scanner 1 data for layout.
148-14F	36-51	LIB position 4 line set types. Refer to Type 2 communications scanner 1 data for layout.
150-157	52-67	LIB position 5 line set types. Refer to Type 2 communications scanner 1 data for layout.
158-159	68-71	LIB position 6 line set types for lines 0-3. Refer to Type 2 communications scanner 1 data for layout.
	72	Enter an asterisk (*) for continuation on next card.

>> 3705 COMMUNICATIONS CONTROLLER, COMMUNICATIONS SCANNERS 3 AND 4 (FOURTH OF SIX CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED		
	1-15	Leave columns 1-15 of continuation card blank.		
15A-15F	16-27	LIB position 6 line set types for lines 4-F. Refer to Type 2 communications scanner 1 data for layout.		
*****	*****	Type 2 or 3 scanner (fourth scanner block E). Refer to following NOTE. NOTE: The type 2 scanner defined by block type E is identical to that defined by block type D except for installed position and number of LIBs available. Refer to block D for data format.		
160	28-29	Installed communications scanner configuration. Enter as applicable:		
		CARD COLUMN	HEX ENTRY	
		28	4	Must be type 2 communications scanner.
			3	Must be type 3 HI-SPEED communications scanner.
			2	Must be type 3 communications scanner.
		29	3	Communications scanner address bits for fourth scanner.
161-162	30-33	Columns not used; leave blank.		
163	34-35	RPQ definition. Refer to Type 2 communications scanner 1 data for layout.		
164-167	36-43	Oscillator speed codes. Refer to Type 2 communications scanner 1 data for layout.		
168-16D	44-55	LIB type codes. Refer to Type 2 communications scanner 1 data for layout.		
16E-175	56-71	LIB position 1 line set types. Refer to Type 2 communications scanner 1 data for layout.		
	72	Enter an asterisk (*) for continuation on next card.		

>> 3705 COMMUNICATIONS CONTROLLER, COMMUNICATIONS SCANNERS 3 AND 4 (FIFTH OF SIX CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
176-17D	16-31	LIB position 2 line set types. Refer to Type 2 communications scanner 1 data for layout.
17E-185	32-47	LIB position 3 line set types. Refer to Type 2 communications scanner 1 data for layout.
186-18D	48-63	LIB position 4 line set types. Refer to Type 2 communications scanner 1 data for layout.
18E-191	64-71	LIB position 5 line set types for lines 0-7. Refer to Type 2 communications scanner 1 data for layout.
	72	Enter an asterisk (*) for continuation on next card.

>> 3705 COMMUNICATIONS CONTROLLER, COMMUNICATIONS SCANNERS 3 AND 4 (SIXTH OF SIX CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
192-195	16-23	LIB position 5 line set types for lines 8-F. Refer to Type 2 communications scanner 1 data for layout.
196-19D	24-39	LIB position 6 line set types. Refer to Type 2 communications scanner 1 data for layout.
	40	Enter a slash (/) to indicate end of CDS entry.

* >> 3705-80 COMMUNICATIONS CONTROLLER (FIRST OF FOUR CDS CARDS)

CARD	1	2	3	4	5	6	7
COLUMN	012345678901234567890123456789012345678901234567890123456789012						
ENTRY	4006						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Enter NATIVE subchannel address in HEX, right justified.	
4	18-19	Model code.	
		CARD COLUMN	HEX ENTRY
		18	0
		19	8
		Nothing defined, enter zero 3705-80 Model code	
5	20-21	Feature code. Enter as applicable; otherwise leave blank	
		CARD COLUMN	HEX ENTRY
		20	2
		21	2
		Type 4 Channel Adapter installed Type 1 Channel Adapter installed	
6-7	22-25	Class and Type code for 3705-80; Enter: 4006	
8	26-29	Nothing defined, leave blank	
9	30-31	Flags code. Enter as applicable; otherwise leave blank	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. Device or its Control Unit has two-chan switch installed.	
A-B	32-35	Columns not used, leave blank	
C-D	36-39	ESC Unit Address. Enter in HEX the address of the lowest 2701, 2702, or 2703 EMULATOR Line Address (determined by CA JUMPER options). See RANGE DEFINITIONS later in this section. If Type 1/Type 4 CA in NCP MODE only, leave columns 36-41 blank.	

-----CDS CONTINUED ON NEXT PAGE-----

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
E	40-41	Enter the number of contiguous EMULATOR Line Addresses in HEX. Each address used in testing requires a 2701, 2702, OR 2703 CDS entry. Leave BLANK if Emulator not used. NOTE: RANGE DEFINITION. It is mandatory that each address in the described Emulator Address be defined by a 2701, 2702, or 2703 CDS entry in order to use that address as a test device address. It is recommended that a CDS entry be included for all addresses in the range to prevent a "NO CDS ENTRY" message for each undefined address. To use a large range of Emulator addresses, the following DUMMY CDS can be inserted for each unused subchannel address to minimize OLT printouts Card Columns ----- 2-4 10-17 22-25 52 Entry ----- CDS DEV ADD 4001 /
F-13	42-51	Columns not used, leave blank
14-1B	52-67	The symbolic NCP CDS name is assigned by the user at SYSGEN time. It is punched in EBCDIC HEX with a X'C3' (EBCDIC C) appended. This is required by the OLT. Unused positions in this field are filled with X'40'. For example, assume that the SYMBOLIC name is 'RTP'. You would punch the EBCDIC code for RTPC in HEX in columns 52-59. You would punch X'40' in columns 60-67 (D9E3D7C340404040).
1C-1D	68-71	Columns not used, leave blank.
	72	Enter a continuation character, any character except a '/'.

>> 3705-80 COMMUNICATIONS CONTROLLER (SECOND OF FOUR CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank
1E-1F	16-19	Enter 1123 for the CCU Index.
	20-47	Nothing defined, leave blank.
2E-2F	48-51	Enter 1223 for the Storage Index.
30-31	52-55	Enter 1322 for Type 1 CA Index or Enter 1922 for Type 4 CA Index.
32-33	56-59	Enter 2924 for second Type 4 Index, if applicable. Otherwise, leave blank.
	60-67	Nothing defined, leave blank.
38-39	68-71	Enter 1627 for Type 2 CS Index.
	72	Enter any character except a '/' for continuation.

* >> 3705-80 COMMUNICATIONS CONTROLLER (THIRD OF FOUR CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED																			
	1-15	Leave columns 1-15 of continuation card blank																			
	16-31	Nothing defined, leave blank.																			
42-43	32-35	Enter X'FFFF' to indicate END of Index blocks.																			
44	36-37	Enter First NSC Unit Address - INTERFACE A.																			
45	38-39	Enter '01' for Frame designation for First CA.																			
46	40-41	Enter '88' for 256K Storage Size (Standard size for 3705-80).																			
47	42-43	Enter '00'. (Reserved)																			
48	44-45	Enter Second NSC Unit Address - Interface A if applicable; otherwise leave blank.																			
49	46-47	Enter '01' for Frame designation for Second CA4 if applicable; otherwise leave blank.																			
	48-55	Nothing defined, leave blank.																			
4E	56-57	Enter '40' for Type 2 Scanner base.																			
4F-50	58-61	Nothing defined, leave blank.																			
51	62-63	Enter '00'. (Reserved)																			
52	64-65	Speed code for Oscillator ONE.																			
		<table border="1"> <thead> <tr> <th>SPEED</th> <th>CODE</th> </tr> </thead> <tbody> <tr><td>50.0</td><td>03</td></tr> <tr><td>110.0</td><td>0D</td></tr> <tr><td>134.5</td><td>0F</td></tr> <tr><td>200.0</td><td>13</td></tr> <tr><td>300.0</td><td>14</td></tr> <tr><td>600.0</td><td>15</td></tr> <tr><td>1200.0</td><td>17</td></tr> <tr><td>2400.0</td><td>1B</td></tr> </tbody> </table>	SPEED	CODE	50.0	03	110.0	0D	134.5	0F	200.0	13	300.0	14	600.0	15	1200.0	17	2400.0	1B	
SPEED	CODE																				
50.0	03																				
110.0	0D																				
134.5	0F																				
200.0	13																				
300.0	14																				
600.0	15																				
1200.0	17																				
2400.0	1B																				
53	66-67	Enter Speed code for Oscillator TWO, if applicable. Refer to chart for Oscillator ONE for codes.																			
54	68-69	Enter Speed code for Oscillator THREE, if applicable. Refer to chart for Oscillator ONE for codes.																			
55	70-71	Enter Speed code for Oscillator FOUR, if applicable. Refer to chart for Oscillator ONE for codes.																			
	72	Enter any character except a '/' for continuation.																			

* >> 3705-80 COMMUNICATIONS CONTROLLER (FOURTH OF FOUR CDS CARDS)

CDS FILE CONTINUED

CDS CORE BYTE	CARD COLUMN	
	1-15	Leave columns 1-15 of continuation card blank
56	16-17	Enter X'13' for LIB A Type X.
57	18-19	Enter X'13' for LIB B Type X, or leave blank if LIB B is not present.
58-59	20-23	Nothing defined, leave blank.

Enter the codes for the applicable LINESETS INSTALLED and for the Model code of the 3705-80.

		MODELS	M81	M82	M83	M84	
5A-5B	24-27	LINES 0-1	***	***	LS1	***	L
5C-5D	28-31	LINES 2-3	LS1	LS1	LS1	LS1	I
5E-5F	32-35	LINES 4-5	LS1	LS1	LS1	LS1	B
60-61	36-39	LINES 6-7	N/A	N/A	LS1	N/A	A
		MODELS	M81	M82	M83	M84	
62-63	40-43	LINES 0-1	N/A	LS1	LS1	LS8	L
64-65	44-47	LINES 2-3	N/A	LS1	LS1	LS8	I
66-67	48-51	LINES 4-5	N/A	LS1	LS1	LS8	B
68-69	52-55	LINES 6-7	N/A	N/A	LS1	N/A	B

***Feature LINE SET (ONE LS2,LS3,LS4,LS5,LS8, or LS9)
Enter the LINE SET codes as applicable, otherwise leave blank.

LINE SET TYPE	CODE
Type 1 HALF DUPLEX	0404
Type 1 DUPLEX	0808
Type 2 HALF DUPLEX	0D0D
Type 2 DUPLEX	0F0F
Type 3 HALF DUPLEX	0707
Type 3 DUPLEX	0E0E
Type 4 ACU INTERFACE	0505
Type 5 HIGH SPEED LOCAL ATTACH	1010
Type 8 MEDIUM SPEED (9600 BPS OR LESS)	3939
Type 9 HIGH SPEED (GREATER THAN 9600 BPS)	3A3A

56 Enter a '/' for end of CDS card.

D99-CDSGA-20

* >> 3705-80 COMMUNICATIONS CONTROLLER (DUMMY CDS CARD FOR AUTOEDIT - SECOND OF TWO CARDS)

CARD	1	2	3	4	5	6	7
COLUMN	0	1	2	3	4	5	6
ENTRY			4006				

CDS CORE BYTE	CARD COLUMN	DUMMY CDS CARD	
0-3	10-17	Any UNUSED Subchannel Unit Address in HEX (Right justified and different from first DUMMY card)	
4	18-19	Model code	
		CARD COLUMN	HEX ENTRY
		18 19	0 8
5	20-21	Feature code. Enter as applicable; otherwise leave blank.	
		CARD COLUMN	HEX ENTRY
		20 21	0 0
6-7	22-25	Class and Type code for 3705-80, enter: 4006	
8	26-29	Nothing defined, leave blank.	
	32	Enter a '/' for end of CDS card. (END OF 3705-80 DUMMY CDS CARD).	

* >> 3725 COMMUNICATIONS CONTROLLER

```

* -----
* | CARD | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
* | COLUMN | 012345678901234567890123456789012345678901234567890123456789012
* |-----|
* | ENTRY | | | 40A0 | | | | |
* |-----|
  
```

```

* -----
* | CDS | CARD | LOCAL CDS FILE
* | CORE | COLUMN |
* | BYTE | |
* -----
* | 0-3 | 10-17 | Enter NATIVE subchannel address in HEX, right justified.
* -----
* | 4-5 | 18-21 | Model and Feature code. None defined, leave columns blank.
* -----
* | 6-7 | 22-25 | Class and Type code for 3725; Enter: 40A0
* -----
* | 8 | 26-29 | Nothing defined, leave blank
* -----
* | 9 | 30-31 | Flags code. Enter as applicable; otherwise leave blank
* |-----|
* | | | | CARD | HEX |
* | | | | COLUMN | ENTRY |
* |-----|
* | | | | 30 | 4 | Device shared with another system.
* | | | | 31 | 4 | Device has two-channel switch installed.
* -----
* | A-B | 32-35 | Columns not used, leave blank
* -----
* | C-D | 36-39 | Emulator subchannel (ESC) unit address. Enter in HEX the address of the
* | | | | lowest 2701, 2702, or 2703 emulator line. (Determined by channel adapter
* | | | | jumper options.) (Refer to NOTE on range definition.) Leave blank if
* | | | | emulator not used.
* -----
* | E | 40-41 | Enter number of contiguous emulator line addresses in HEX.
* | | | | Leave blank if emulator not used.
* | | | |
* | | | | NOTE: RANGE DEFINITION. It is mandatory that each address in the
* | | | | described emulator address be defined by a 2701, 2702, or 2703 CDS entry
* | | | | in order to use that address as a test device address. It is recommended
* | | | | that a CDS entry be included for all addresses in the range to prevent a
* | | | | "NO CDS ENTRY" message for each undefined address. To use a large range
* | | | | of emulator addresses, the following dummy CDS can be inserted for each
* | | | | unused subchannel address to minimize OLT printouts:
* | | | |
* | | | | CARD COLUMNS----- 2-4 10-17 22-25 52
* | | | | ENTRY----- CDS DEV ADDR 4001 /
* -----
* | | | | 42 | Enter a '/' for end of CDS card.
* -----
  
```

>> 3735 PROGRAMMABLE BUFFERED TERMINAL (FIRST OF TWO CDS CARDS)

If the customer is using the Network Control Program (NCP), refer to 3700 CDS to configure for 3700 OLTTs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	*

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined, leave columns blank.															
5	20-21	Feature code. Enter as applicable; otherwise, leave columns blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8</td> <td>3735 uses EBCDIC.</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		20	8	3735 uses EBCDIC.	21		Nothing defined; leave column blank.						
CARD COLUMN	HEX ENTRY																
20	8	3735 uses EBCDIC.															
21		Nothing defined; leave column blank.															
6-7	22-25	Class and type code for 3735; enter: 4218.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory. Refer to "Extended Fixed Area" (Section 5) for details. <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic named CDS entry is a FE/customer-assigned name.</td> </tr> <tr> <td></td> <td>*1</td> <td>Terminal requires line connection in Executive activated.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		Nothing defined; leave column blank.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		*2	This symbolic named CDS entry is a FE/customer-assigned name.		*1	Terminal requires line connection in Executive activated.
CARD COLUMN	HEX ENTRY																
30		Nothing defined; leave column blank.															
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.															
	*2	This symbolic named CDS entry is a FE/customer-assigned name.															
	*1	Terminal requires line connection in Executive activated.															
A-B	32-35	Columns not used; leave blank.															
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.															
*****	*****	Extended fixed area. Required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details.															
14	44-45	Extended fixed area byte count. Enter: 06.															
15-16	46-49	Extended area flag bits. Enter as applicable; otherwise, leave columns blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>8</td> <td>Two-byte SET MODE data present in columns 52-55 required if 3735 is attached to a 2701.</td> </tr> <tr> <td></td> <td>2</td> <td>Communication link is a switched line.</td> </tr> <tr> <td></td> <td>1</td> <td>Communication link is a nonswitched multidrop line.</td> </tr> <tr> <td>47-49</td> <td></td> <td>Nothing defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	8	Two-byte SET MODE data present in columns 52-55 required if 3735 is attached to a 2701.		2	Communication link is a switched line.		1	Communication link is a nonswitched multidrop line.	47-49		Nothing defined; leave columns blank.
CARD COLUMN	HEX ENTRY																
46	8	Two-byte SET MODE data present in columns 52-55 required if 3735 is attached to a 2701.															
	2	Communication link is a switched line.															
	1	Communication link is a nonswitched multidrop line.															
47-49		Nothing defined; leave columns blank.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED						
17	50-51	Line connection command sequence. Enter as applicable: <table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Terminal is attached to a 2701, 2703, or a 2702 without SADX command.</td> </tr> <tr> <td>03</td> <td>Terminal is attached to a 2701 or 2703 SDA-II (BSC).</td> </tr> </tbody> </table>	HEX ENTRY		01	Terminal is attached to a 2701, 2703, or a 2702 without SADX command.	03	Terminal is attached to a 2701 or 2703 SDA-II (BSC).
HEX ENTRY								
01	Terminal is attached to a 2701, 2703, or a 2702 without SADX command.							
03	Terminal is attached to a 2701 or 2703 SDA-II (BSC).							
18	52-53	Enter the mode word for the SET MODE command.						
19	54-55	Second byte of mode word. Nothing defined; leave columns blank.						
1A	56-57	Columns not used; leave blank.						
1B-1C	58-61	Enter the polling character in hexadecimal. For example: If poll sequence is AA, enter C1C1.						
1D-21	62-71	Enter the ID characters to be received from the 3735.						
	72	Enter an asterisk (*) for continuation on next card.						

>> 3735 PROGRAMMABLE BUFFERED TERMINAL (SECOND OF TWO CDS CARDS)

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
22	16-17	Enter remaining two ID characters.
	18	Enter a slash (/) to indicate end of CDS entry.

>> 3767 COMMUNICATION TERMINAL (START/STOP)

The 3767 Communication Terminal is equivalent to, and is to be configured as, one of the following terminal configurations. Refer to the applicable CDS layout.

- a. 2740 Model 1 with station control, with record (error) checking, and without transmit control features. (Multipoint)
- b. 2740 Model 1 with record (error) checking, without station control, and without transmit control features. (Point-to-point)
- c. 2740 Model 2 with buffer-receive and record (error) checking features.
- d. 2741.

NOTE: If running with NCP in 3704/3705, terminal must be tested as a 3700 terminal.

>> 3770 DATA COMMUNICATIONS SYSTEM (BSC)

The 3770 Data Communication System is tested as a 3700 Terminal (OLTT), and configured as a 2770 having only keyboard input and console printer output. This is to avoid creation of unnecessary data sets on disk. (For example, 1DFC/1DF columns = 0110, 0DFC/DF columns = 0120.)

>> 3790 CLUSTER CONTROLLER (REMOTE)

Tested by T3700LT family under control of TOLTEP (refer to manual D99-3700C for instructions).

>> 3791 CLUSTER CONTROLLER (LOCAL)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			4	0	F	1		/					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right-justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. None defined; leave columns blank.
6-7	22-25	Class and Type code for 3791; enter 40F1.
8	26-29	Columns not used; leave blank.
9	30-31	Columns not used; leave blank.
A-B	32-35	Columns not used; leave blank.
	36	Enter a slash (/) to indicate end of CDS entry.

* >> 3800 PRINTING SUBSYSTEM

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	8		/							

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
* 6-7	22-25	Class and type code for 3800 Model 1 or 2; enter: 0809. Class and type code for 3800 Model 3 or 8; enter: 08A0.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

* NOTE: 3800 Model 1 and 2 use the 3800 family of OLTs (See User's Guide D99-3800A).
 * 3800 Model 3 and 8 use the 3801 family of OLTs (See User's Guide D99-3801A).

* >> 3830 DISK STORAGE CONTROL

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
					8		CU3830						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE								
0-8	10-29	Columns not used; leave blank.								
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td rowspan="2">Control unit shared with another system. Symbolic CDS name in card columns 36-43.</td> </tr> <tr> <td>31</td> <td>*8</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Control unit shared with another system. Symbolic CDS name in card columns 36-43.	31	*8
CARD COLUMN	HEX ENTRY									
30	4	Control unit shared with another system. Symbolic CDS name in card columns 36-43.								
31	*8									
A-B	32-35	Columns not used; leave blank.								
C-11	36-41	Symbolic CDS name prefix; enter: CU3830.								
12-13	42-43	Symbolic CDS name suffix. This field must match card columns 36-37 in all 33XX DASDI CDS cards that define unit addresses accessible through the control unit described by this card. Must be two Hex Characters.								
14-21	44-71	Unit-address-extent blocks. The unit-address-extent blocks describe unit addresses accessible through this control unit. Unit addresses for each channel interface on this system must be provided. Unit addresses used by sharing systems must not be included. The format is as follows (repeated for each set of contiguous unit addresses): <ul style="list-style-type: none"> a. An even number of blank card columns may be used to separate blocks. For example: 0, 2, 4, 6,....etc. b. Two card columns that indicate the hex number of contiguous unit addresses defined by this block. c. Four card columns containing the lowest unit addresses defined by this block (right justified). <p style="margin-left: 20px;">Examples: "040130" defines 130, 131, 132, and 133; "020120 020130" defines 120, 121, 130, and 131; "020120 020320" defines 120, 121, 320, and 321.</p>								
	72	Enter an asterisk (*) when continuation card is required. Refer to Section 3 for continuation card layout.								
		Enter a slash (/) in an even-numbered column after all unit address extent blocks have been defined.								

>> 3838 ARRAY PROCESSOR SUBSYSTEM

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	8	4	C	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right-justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. Nothing defined: leave columns blank.
6-7	22-25	Class and type code for 3838 Enter: 084C
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3848 CRYPTOGRAPHIC UNIT

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	0882 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right-justified. Leading zeros can be omitted.
4	18-19	Model code. Nothing defined; leave columns blank.
5	20-21	Feature code. Nothing defined; leave columns blank.
6-7	22-25	Class and type code for 3848 Enter: 0882
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3850 MASS STORAGE SUBSYSTEM (MSS) UTILITIES

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	0842 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right-justified. Leading zeros can be omitted.									
4	18-19	Model code. Enter 01 if subsystem has auxiliary MSC feature; otherwise, leave blank. ie: Blank for Model A, 01 for Model B.									
5	20-21	Columns not used, leave blank.									
6-7	22-25	Class and type code. Enter 0842 for MSC.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank.									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system (or systems).</td> </tr> <tr> <td>31</td> <td>4</td> <td>Device has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system (or systems).	31	4	Device has two-channel switch installed.
CARD COLUMN	HEX ENTRY										
30	4	Device shared with another system (or systems).									
31	4	Device has two-channel switch installed.									
A-B	32-35	Columns not used; leave blank.									
	36	Enter a slash (/) to indicate end of CDS entry.									

* >> 3880 DISK STORAGE CONTROL

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7															
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY									8	CU3880																		

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-8	10-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Control unit shared with another system.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>Symbolic CDS name in card columns 36-43.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Control unit shared with another system.	31	*8	Symbolic CDS name in card columns 36-43.
CARD COLUMN	HEX ENTRY										
30	4	Control unit shared with another system.									
31	*8	Symbolic CDS name in card columns 36-43.									
A-B	32-35	Columns not used; leave blank.									
C-11	36-41	Symbolic CDS name prefix; enter: CU3880.									
12-13	42-43	Symbolic CDS name suffix. This field must match card columns 36-37 in all 33XX DASDI CDS cards that define unit addresses accessible through the control unit described by this card. Must be two Hex Characters.									
14-21	44-71	Unit-address-extent blocks. The unit-address-extent blocks describe unit addresses accessible through this control unit. Unit addresses for each channel interface on this system must be provided. Unit addresses used by sharing systems must not be included. The format is as follows (repeated for each set of contiguous unit addresses): <ul style="list-style-type: none"> a. An even number of blank card columns may be used to separate blocks . For example: 0, 2, 4, 6,....etc. b. Two card columns that indicate the hex number of contiguous unit addresses defined by this block. c. Four card columns containing the lowest unit addresses defined by this block (right justified). <p>Examples: "040130" defines 130, 131, 132, and 133; "020120 020130" defines 120, 121, 130, and 131; "020120 020320" defines 120, 121, 320, and 321.</p>									
	72	Enter an asterisk (*) when continuation card is required. Refer to Section 3 for continuation card layout.									
		Enter a slash (/) in an even-numbered column after all unit address extent blocks have been defined.									

>> 3881 OPTICAL MARK READER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7															
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY	0818											/																

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 3881; enter: 0818.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3886 OPTICAL CHARACTER READER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7															
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY	0841											/																

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 3886; enter: 0841.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3890 DOCUMENT PROCESSOR

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	8	4	0		/					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 3890; enter: 0840.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3895 DOCUMENT READER/INSCRIBER

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			0	8	4	3		/					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 3890; enter: 0843.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 3945-13 STATION CONTROL UNIT WITH RPQS 837581 AND Z16156

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY
			0	B	4	2	1	9					
		

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE															
0-3	10-17	Line address right justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined; leave columns blank.															
5	20-21	Feature code. Enter 0B to specify that the adapter is a type 3945-13 with RPqs 837581 and Z16156.															
6-7	22-25	Class and type code for 3945; enter: 4219.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>31</td> <td>*8</td> <td>This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td></td> <td>*2</td> <td>This symbolic-named CDS entry is a FE/customer-assigned name.</td> </tr> <tr> <td></td> <td>*1</td> <td>Terminal requires line connection in Executive activated.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		Nothing defined; leave column blank.	31	*8	This CDS entry is defined by a symbolic name in columns 36-43.		*2	This symbolic-named CDS entry is a FE/customer-assigned name.		*1	Terminal requires line connection in Executive activated.
CARD COLUMN	HEX ENTRY																
30		Nothing defined; leave column blank.															
31	*8	This CDS entry is defined by a symbolic name in columns 36-43.															
	*2	This symbolic-named CDS entry is a FE/customer-assigned name.															
	*1	Terminal requires line connection in Executive activated.															
CDS CONTINUED ON NEXT PAGE																	

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED								
A-B	32-35	Columns not used; leave blank.								
C-13	36-43	Enter the defined symbolic name for this terminal CDS entry.								
*****	*****	Extended fixed area. Required for this remote terminal. Refer to "Extended Fixed Area" (Section 5) for details.								
14	44-45	Byte count of extended fixed area. Enter: 04.								
15-16	46-49	Extended area flag bits. Enter as applicable; otherwise, leave blank:								
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>1</td> <td rowspan="2">Communication link is a nonswitched multidrop line. Nothing defined; leave columns blank.</td> </tr> <tr> <td>47-49</td> <td></td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	1	Communication link is a nonswitched multidrop line. Nothing defined; leave columns blank.	47-49	
CARD COLUMN	HEX ENTRY									
46	1	Communication link is a nonswitched multidrop line. Nothing defined; leave columns blank.								
47-49										
17	50-51	Line connection command sequence code; enter: 01.								
18	52-53	Enter SCU address in hex form of transmission code.								
19	54-55	Enter terminal type in hex form of transmission code.								
1A	56-57	Enter terminal address in hex form of transmission code.								
		Using the continuation card, up to ten terminals may be defined, starting in column 16. Punch an asterisk (*) in column 72 of the first card.								
		If the 1017 paper tape reader is attached, the associated monitor terminal (2980-2 with Katakana) must be defined first in columns 52-57.								
		At the end of entry, enter a slash (/) in an even numbered column.								

>> 3968 MODEL 002 TERMINAL CONTROLLER

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	400A /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 3968; enter: 400A.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 4950 SERIES/1 - SYSTEM/370 CHANNEL ATTACHMENT

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	1008 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 4950; enter: 1008.
8-B	26-35	Columns not used; leave blank.
C-D	36-39	Enter lowest address assigned to attachment.
E-F	40-43	Enter highest address assigned to attachment.
	44	Enter a slash (/) to indicate end of CDS entry.

NOTE: One CDS card entry should be made for each device address in the range assigned to the channel attachment.

>> 5010 SYSTEM/7, SYSTEM 370/360 CHANNEL ATTACHMENT, RPQ D08112

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	2	0	1		/					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. None defined; leave columns blank.									
5	20-21	Feature code. Enter as applicable; otherwise, leave column(s) blank:									
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>20</td> <td>8</td> <td>Two-channel switch feature, RPQ D08113, installed.</td> </tr> <tr> <td>21</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		20	8	Two-channel switch feature, RPQ D08113, installed.	21		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY										
20	8	Two-channel switch feature, RPQ D08113, installed.									
21		Nothing defined; leave column blank.									
6-7	22-25	Class and type code for 5010; enter: 0201.									
8-B	26-35	Columns not used; leave blank.									
C-D	36-39	Enter lowest address assigned to attachment.									
E-F	40-43	Enter highest address assigned to attachment. (This is the attachment hardware address.)									
10	44-45	Channel code. Enter as applicable:									
		<table border="1"> <tr> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>00</td> <td>Byte multiplexer channel.</td> </tr> <tr> <td>01</td> <td>Selector or block multiplexer channel.</td> </tr> </table>	HEX ENTRY		00	Byte multiplexer channel.	01	Selector or block multiplexer channel.			
HEX ENTRY											
00	Byte multiplexer channel.										
01	Selector or block multiplexer channel.										
	46	Enter a slash (/) to indicate end of CDS entry.									

NOTE: One CDS card entry should be made for each device address in the range assigned to the channel attachment.

>> 5098-N05 SENSOR-BASED CONTROL UNIT, RPQ D08116

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7															
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY	/																											

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE						
0-3	10-17	Device address right justified. Leading zeros can be omitted.						
4-5	18-21	Model and feature code. None defined; leave columns blank.						
6-7	22-25	Class and type code for 5098-N05. This must match the class and type specified in the User's SYSGEN if the OLTs are to be run under VS/OLTEP. This code can be either 0204 or 400F (generic SBCU). Enter 0204 if the OLTs will be run under OLTSEP only, or if the User specified 0204 at SYSGEN time. If the User specified 400F or generic SBCU, enter 400F in these columns and make the following changes to T5098A and T5098B:						
		<table border="1"> <tr> <td>VER</td> <td>005B</td> <td>0204</td> </tr> <tr> <td>REP</td> <td>005B</td> <td>400F</td> </tr> </table>	VER	005B	0204	REP	005B	400F
VER	005B	0204						
REP	005B	400F						
8	26-29	Columns not used; leave blank.						
9	30-31	Flags code. None applicable; leave columns blank.						
	32	Enter a slash (/) to indicate end of CDS entry.						

>> 5425 CARD READ PUNCH (96 COLUMN)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																	
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		
ENTRY	0848		/																											

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 5425; enter: 0848.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 5682 303X DIRECTOR CHANNEL LOA

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	313X		8	LOA5682 /									

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE								
0-3	10-17	Nothing defined; leave columns blank.								
4-5	18-21	Model and Feature code. None defined: Leave columns blank.								
6-7	22-25	Class and type code for 5682; enter: 313(X) (X same as host system)								
8	26-29	Columns not used; leave blank.								
9	30-31	Flags code. Hex value with an asterisk (*) are mandatory.								
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td></td> <td rowspan="2">Nothing defined: leave column blank. This CDS entry is defined by a symbolic name in columns 36-43.</td> </tr> <tr> <td>31</td> <td>*8</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30		Nothing defined: leave column blank. This CDS entry is defined by a symbolic name in columns 36-43.	31	*8
CARD COLUMN	HEX ENTRY									
30		Nothing defined: leave column blank. This CDS entry is defined by a symbolic name in columns 36-43.								
31	*8									
A-B	32-35	Columns not used; leave blank.								
C-D	36-43	Symbolic name. Enter: LOA5682 for 5682 LOA.								
	44	Enter a slash (/) to indicate end of CDS entry.								

>> 5985-H02 COLOR DISPLAY CONTROL UNIT (LOCAL)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY				1	0	0							

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																						
0-3	10-17	Device address right-justified. Leading zeros can be omitted																						
4-5	18-21	Nothing defined; leave columns blank.																						
6-7	22-25	Class and Type code for 5985-H02 Local; enter: 100D.																						
8	26-29	CDS byte count; leave blank.																						
9	30-31	Flags. Enter: 00.																						
A-15	32-55	Nothing defined; leave columns blank.																						
16	56-57	Feature code. Enter as applicable: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="3">56</td> <td>8</td> <td>Character matrix expansion.</td> </tr> <tr> <td>4</td> <td>Sixteen additional function keys.</td> </tr> <tr> <td>2</td> <td>Light-pen attachment.</td> </tr> <tr> <td rowspan="4">57</td> <td>1</td> <td>Light-pen interrupt.</td> </tr> <tr> <td>8</td> <td>Compose mode.</td> </tr> <tr> <td>4</td> <td>No display.</td> </tr> <tr> <td>2</td> <td>Home bottom left.</td> </tr> <tr> <td></td> <td>1</td> <td>Audible alarm reset interrupt.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		56	8	Character matrix expansion.	4	Sixteen additional function keys.	2	Light-pen attachment.	57	1	Light-pen interrupt.	8	Compose mode.	4	No display.	2	Home bottom left.		1	Audible alarm reset interrupt.
CARD COLUMN	HEX ENTRY																							
56	8	Character matrix expansion.																						
	4	Sixteen additional function keys.																						
	2	Light-pen attachment.																						
57	1	Light-pen interrupt.																						
	8	Compose mode.																						
	4	No display.																						
	2	Home bottom left.																						
	1	Audible alarm reset interrupt.																						
17	58-59	Light-pen single-depression operation; enter: 80.																						
18	60-61	CPU type: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>0E</td> <td>3135/3145</td> </tr> <tr> <td>20</td> <td>3155/3158</td> </tr> <tr> <td>2E</td> <td>3165/3168</td> </tr> </tbody> </table>	HEX ENTRY		0E	3135/3145	20	3155/3158	2E	3165/3168														
HEX ENTRY																								
0E	3135/3145																							
20	3155/3158																							
2E	3165/3168																							
62		Enter a slash (/) to indicate end of CDS entry.																						

>> 5985-H02 COLOR DISPLAY UNIT (REMOTE)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	421C				0B		069 0003				/		

CDS CORE BYTE	CARD COLUMN	REMOTE CDS FILE																						
0-3	10-17	Device address right-justified. Leading zeros can be omitted																						
4-5	18-21	Nothing defined; leave blank.																						
6-7	22-25	Class and type code; enter: 421C.																						
8	26-29	CDS byte count; leave blank.																						
9	30-31	Flags. Enter: 0B.																						
A-B	32-35	Nothing defined, leave blank.																						
C-13	36-43	Symbolic address.																						
14	44-45	Length of fixed area; enter: 06.																						
15-16	46-49	With World Trade BSC Modem, enter: 9800. Without World Trade BSC Modem, enter: 9000.																						
17	50-51	Extended fixed area flags. Line connect code. Enter: 03.																						
18	52-53	Set mode data. For 2701 or SDA II, enter as follows: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="2">52</td> <td>4</td> <td>ITB mode</td> </tr> <tr> <td>2</td> <td>For interface A, this is off (set to 0). For interface B, this is on (set to 1).</td> </tr> <tr> <td rowspan="2">53</td> <td>1</td> <td>For Normal mode, this is off (set to 0). For Test mode, this is on (set to 1).</td> </tr> <tr> <td>8</td> <td>For Transmission Code A, this is off (set to 0). For Transmission Code B, this is on (set to 1).</td> </tr> <tr> <td></td> <td>4</td> <td>Without Interrupt mode, this is off (set to 0). With Interrupt mode, this is on (set to 1).</td> </tr> </tbody> </table> <p style="margin-left: 20px;">Set mode. For 2703 or BSCA, enter as follows:</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>52</td> <td>4</td> <td>For normal operation, this is off (set to 0). For intermediate block mode, this is on (set to 1).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		52	4	ITB mode	2	For interface A, this is off (set to 0). For interface B, this is on (set to 1).	53	1	For Normal mode, this is off (set to 0). For Test mode, this is on (set to 1).	8	For Transmission Code A, this is off (set to 0). For Transmission Code B, this is on (set to 1).		4	Without Interrupt mode, this is off (set to 0). With Interrupt mode, this is on (set to 1).	CARD COLUMN	HEX ENTRY		52	4	For normal operation, this is off (set to 0). For intermediate block mode, this is on (set to 1).
CARD COLUMN	HEX ENTRY																							
52	4	ITB mode																						
	2	For interface A, this is off (set to 0). For interface B, this is on (set to 1).																						
53	1	For Normal mode, this is off (set to 0). For Test mode, this is on (set to 1).																						
	8	For Transmission Code A, this is off (set to 0). For Transmission Code B, this is on (set to 1).																						
	4	Without Interrupt mode, this is off (set to 0). With Interrupt mode, this is on (set to 1).																						
CARD COLUMN	HEX ENTRY																							
52	4	For normal operation, this is off (set to 0). For intermediate block mode, this is on (set to 1).																						

CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED			
CDS CORE BYTE	CARD COLUMN		
19	54-55	Nothing defined; leave columns blank.	
1A	56-57	Feature byte; enter as follows:	
		CARD COLUMN	HEX ENTRY
		56	8 4 2 1
			Character Matrix Expansion feature. Sixteen additional function logs. Light pen attached. Light pen interrupt.
		57	8 4 2 1
			Compose mode. No display console attached. Home position not location zero. Audible alarm reset interrupt.
1B	58-59	Light pen single-depression operation; enter: 80	
1C	60-61	Remote control unit selection address.	
1D	62-63	Device address.	
1E	64-65	Device address (same as core byte 29).	
1F	66-67	Remote control unit polling address.	
20	68-69	Remote control unit polling address (same as above).	
	70	Enter a slash (/) to indicate end of CDS entry.	

>> 7443 MODEL 1 - 303X CONSOLE SERVICE RECORD FILE (SRF)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	083D /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. Nothing defined; leave columns blank.
6-7	22-25	Class and type code for 7443 Enter: 083D
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None defined; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 7770 MODEL 3 - AUDIO RESPONSE UNIT

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	4004 /												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:															
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information)
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information)															
5	20-21	Feature code. None defined; leave columns blank.															
6-7	22-25	Class and type code for 7770 Model 3; enter: 4004.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Columns not used; leave blank.	
C	36-37	Transmission control unit features. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			2
			1
		37	8
			4
			3
			2
			1
		Two-processor/channel switch is installed. EOI disable. Communication link is a 2721 line. 2721 EOI disable. 2721 feature on 7770. 2979 feature installed. 32-second initial character timeout (standard) installed. 16-second initial character timeout installed. 8-second initial character timeout installed.	
		NOTE: With no timeout specified, infinite time is assumed .	
D	38-39	Vocabulary size. Enter as applicable.	
		HEX ENTRY	
		08	128 words
		07	112 words
		06	96 words
		05	80 words
		04	64 words
		03	48 words
		02	32 words
E	40-41	2979 yes-yes track address (in hex).	
F	42-43	2979 no-no track address (in hex).	
10	44-45	Columns not used; leave blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. For standard adapters, leave columns blank.	
	52	Enter a slash (/) to indicate end of CDS entry.	

>> 8809 MAGNETIC TAPE UNIT

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																													
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7				
ENTRY			8006		/																																					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4-5	18-21	Model and feature code. None defined; leave columns blank.
6-7	22-25	Class and type code for 8809; Enter: 8006
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. None applicable; leave columns blank.
	32	Enter a slash (/) to indicate end of CDS entry.

>> AA1921 RPQ FOR 2701 RPQ ADAPTER (FIRST OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0B4001				E0				*				

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. None defined; leave columns blank.															
5	20-21	Feature code. Enter 0B to indicate that the adapter is an RPQ adapter.															
6-7	22-25	Class and type code for 2701 TCU; enter: 4001.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" data-bbox="354 835 553 982"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Terminal shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Terminal shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Terminal shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
A-B	32-35	Columns not used; leave blank.															
C	36-37	Transmission control unit features. Enter as applicable: <table border="1" data-bbox="354 1100 553 1276"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall is installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Communication line is a switched line.</td> </tr> <tr> <td>37</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.		4	Autocall is installed.		2	Communication line is a switched line.	37		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																
36	8	Two-processor/channel switch is installed.															
	4	Autocall is installed.															
	2	Communication line is a switched line.															
37		Nothing defined; leave column blank.															
D-10	38-45	Columns not used; leave blank.															
11	46-47	Run mask; enter: E0.															
12-1B	48-67	Columns not used; leave blank.															
1C	68-69	RPQ option bits. Enter as applicable; otherwise, leave <table border="1" data-bbox="354 1482 553 1633"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>68</td> <td>8</td> <td>Exclude ETX in LRC option is wired on.</td> </tr> <tr> <td></td> <td>4</td> <td>Sync included in LRC option is wired on.</td> </tr> <tr> <td>69</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		68	8	Exclude ETX in LRC option is wired on.		4	Sync included in LRC option is wired on.	69		Nothing defined; leave column blank.			
CARD COLUMN	HEX ENTRY																
68	8	Exclude ETX in LRC option is wired on.															
	4	Sync included in LRC option is wired on.															
69		Nothing defined; leave column blank.															
1D	70-71	Nothing defined; leave columns blank.															
	72	Enter an asterisk (*) for continuation on next card.															

>> AA1921 RPQ FOR 2701 RPQ ADAPTER (SECOND OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	C1C1F1F9F2F1/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number. Enter C1C1F1F9F2F1 in columns 20-21 (a six-digit number) for RPQ AA1921.
	32	Enter a slash (/) to indicate end of CDS entry. Refer to Section 6 of this guide for procedure for handling multiple RPQs.

>> AA4027 RPQ FOR 2703 TTY I (FIRST OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	1044003 F *												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	*1	RPQ indicator (CDS contains RPQ information)
CARD COLUMN	HEX ENTRY										
18		Nothing defined; leave column blank.									
19	*1	RPQ indicator (CDS contains RPQ information)									
5	20-21	Feature code. Enter 04 to specify that the adapter is type TTY I.									
6-7	22-25	Class and type for 2703 TCU; enter: 4003.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.
CARD COLUMN	HEX ENTRY										
30	4	Device shared with another system.									
31	4	This device or its control unit has two-channel switch installed.									
A-B	32-35	Nothing defined; leave columns blank.									

CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED																							
CDS CORE BYTE	CARD COLUMN																						
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:																					
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Data set is an IBM modem (two-wire half duplex, enables on transmit).</td> </tr> <tr> <td>37</td> <td>8</td> <td>Down shift on space feature installed.</td> </tr> <tr> <td></td> <td>2</td> <td>One-character idle time deleted.</td> </tr> <tr> <td></td> <td>1</td> <td>Alternate EOT installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch installed.		4	Autocall installed.		1	Data set is an IBM modem (two-wire half duplex, enables on transmit).	37	8	Down shift on space feature installed.		2	One-character idle time deleted.		1	Alternate EOT installed.
CARD COLUMN	HEX ENTRY																						
36	8	Two-processor/channel switch installed.																					
	4	Autocall installed.																					
	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).																					
37	8	Down shift on space feature installed.																					
	2	One-character idle time deleted.																					
	1	Alternate EOT installed.																					
D-F	38-43	Nothing defined; leave columns blank.																					
10	44-45	Enter alternate EOT character with alternate EOT feature installed. Otherwise leave column blank.																					
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup of details.																					
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>F</td> <td>Enter F as run mask.</td> </tr> <tr> <td>47-51</td> <td></td> <td>No run mask defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	F	Enter F as run mask.	47-51		No run mask defined; leave columns blank.												
CARD COLUMN	HEX ENTRY																						
46	F	Enter F as run mask.																					
47-51		No run mask defined; leave columns blank.																					
14-16	52-58	Nothing defined; leave columns blank.																					
17	59	Enter the number of EOT sequence characters (maximum is 4).																					
18-1B	60-67	Enter the hex equivalent of the EOT sequence in LTRS mode, left-justified. For example: 4 N's = 06060606; FIGS. H. LTRS = 1B051F (standard EOT).																					
1C-1D	68-71	Nothing defined; leave columns blank.																					
	72	Enter an asterisk (*) for continuation on next card.																					

>> AA4027 RPQ FOR 2703 TTY I (SECOND OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY			C	1	F	4	F	0	F	2	F	7	/

CDS FILE CONTINUED		
CDS CORE BYTE	CARD COLUMN	
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C1C1F4F0F2F7 in columns 20-31 for RPQ AA4027.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> AA4142 RPQ FOR 2703 TTY II (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	1054003						E						*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified, leading zeros can be omitted.									
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" data-bbox="337 667 535 798"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	*1	RPQ indicator (CDS contains RPQ information).
CARD COLUMN	HEX ENTRY										
18		Nothing defined; leave column blank.									
19	*1	RPQ indicator (CDS contains RPQ information).									
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.									
6-7	22-25	Class and type for 2703 TCU; enter: 4003.									
8	26-29	Columns not used, leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" data-bbox="337 1003 535 1134"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.
CARD COLUMN	HEX ENTRY										
30	4	Device shared with another system.									
31	4	This device or its control unit has two-channel switch installed.									
A-B	32-35	Nothing defined, leave columns blank.									
C	36-37	Transmission control unit features. Enter as applicable: <table border="1" data-bbox="337 1264 535 1394"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>37</td> <td>8</td> <td>Downshift on space feature is installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36		Nothing defined; leave column blank.	37	8	Downshift on space feature is installed.
CARD COLUMN	HEX ENTRY										
36		Nothing defined; leave column blank.									
37	8	Downshift on space feature is installed.									
D-10	38-45	Nothing defined, leave columns blank.									
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. <table border="1" data-bbox="337 1503 535 1633"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46</td> <td>E</td> <td>Enter E as run mask.</td> </tr> <tr> <td>47-51</td> <td></td> <td>No run mask defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46	E	Enter E as run mask.	47-51		No run mask defined; leave columns blank.
CARD COLUMN	HEX ENTRY										
46	E	Enter E as run mask.									
47-51		No run mask defined; leave columns blank.									
14-16	52-58	Not used; leave columns blank.									
17	59	Enter the number of EOT sequence characters (maximum is 4) if different from standard EOT. If standard, leave column blank.									

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
18-1B	60-67	Enter the hex equivalent of the EOT sequence if different from standard EOT (hex 21), left justified.
1C	68-69	RPQ option bits. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	68	8 SIC option is wired on.
		4 SOH option is wired on.
		2 STX option is wired on.
		1 ETX option is wired on.
	69	8 Delete character is not deleted on read.
1D	70-71	Nothing defined, leave columns blank.
	72	Enter an asterisk (*) for continuation on next card.

>> AA4142 RPQ FOR 2703 TTY II (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			C	1	F	4	F	1	F	4	F	2	/

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C1C1F4F1F4F2 in columns 20-21 for RPQ AA4142.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> A04252 RPQ FOR 2703 TTY I (FIRST OF TWO CDS CARDS)

CARD COLUMN	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
ENTRY								10	4	4	0	3					F				*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																			
0-3	10-17	Device address right justified. Leading zeros can be omitted.																			
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	*1	RPQ indicator (CDS contains RPQ information)										
CARD COLUMN	HEX ENTRY																				
18		Nothing defined; leave column blank.																			
19	*1	RPQ indicator (CDS contains RPQ information)																			
5	20-21	Feature code. Enter 04 to specify that the adapter is type TTY I.																			
6-7	22-25	Class and type for 2703 TCU; enter: 4003.																			
8	26-29	Columns not used; leave blank.																			
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.										
CARD COLUMN	HEX ENTRY																				
30	4	Device shared with another system.																			
31	4	This device or its control unit has two-channel switch installed.																			
A-B	32-35	Nothing defined; leave columns blank.																			
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td rowspan="4">36</td> <td>8</td> <td>Two-processor/channel switch installed.</td> </tr> <tr> <td>4</td> <td>Autocall installed.</td> </tr> <tr> <td>2</td> <td>Autopoll installed.</td> </tr> <tr> <td>1</td> <td>Data set is an IBM modem (two-wire half duplex, enables on transmit).</td> </tr> <tr> <td rowspan="3">37</td> <td>8</td> <td>Down shift on space feature installed.</td> </tr> <tr> <td>2</td> <td>One-character idle time deleted.</td> </tr> <tr> <td>1</td> <td>Alternate EOT installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch installed.	4	Autocall installed.	2	Autopoll installed.	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).	37	8	Down shift on space feature installed.	2	One-character idle time deleted.	1	Alternate EOT installed.
CARD COLUMN	HEX ENTRY																				
36	8	Two-processor/channel switch installed.																			
	4	Autocall installed.																			
	2	Autopoll installed.																			
	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).																			
37	8	Down shift on space feature installed.																			
	2	One-character idle time deleted.																			
	1	Alternate EOT installed.																			
D-F	38-43	Nothing defined; leave columns blank.																			
10	44-45	Enter alternate EOT character with alternate EOT feature installed. Otherwise leave column blank.																			

-CDS CONTINUED ON NEXT PAGE-

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46 47-51	F Enter F as run mask. No run mask defined; leave columns blank.
14-16	52-58	Not used; leave columns blank.	
17	59	Enter the number of EOT sequence characters (maximum is 4).	
18-1B	60-67	Enter the hex equivalent of the EOT sequence in LTRS mode, left-justified. For example: 4 N's = 06060606; FIGS-H-LTRS = 1B051F (standard EOT).	
1C-1D	68-71	Nothing defined; leave columns blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> A04252 RPQ FOR 2703 TTY I (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
	C1F0F4F2F5F2/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter C1F0F4F2F5F2 for RPQ A04252.	
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.	

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E43067 RPQ FOR 2703 8A1 ADAPTER (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	B	4	0	0	3			F	0	0
													*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		18	
		19	4
			2
			1
		Nothing defined; leave column blank. Write only line (Refer to RPQ OLT writeup for RPQ features). Read only line (Refer to RPQ OLT writeup for RPQ features). RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 0B to indicate that the adapter is an RPQ adapter	
6-7	22-25	Class and type code for 2702 TCU; enter: 4003.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Columns not used; leave blank.	
C	36-37	Transmission control unit features. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			2
			1
		37	2
		Two-processor/channel switch is installed. Autocall is installed. Short timeout deleted (RPQ W21061). Data set is an IBM modem (two-wire, half duplex, enables on transmit). One-character idle time deleted.	
D-10	38-45	Columns not used; leave blank.	
11-13	46-51	Section run mask; enter: F00000.	
14-1D	52-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> E43067 RPQ FOR 2703 8A1 ADAPTER (SECOND OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	C5F4F3F0F6F7/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C5F4F3F0F6F7 in columns 20-31 for RPQ E43067.
	32	Enter a slash (/) to indicate end of CDS entry.

>> E51781 RPQ FOR 2703 TTY I (FIRST OF TWO CDS CARDS)

Refer to Section 6 for 270X RPQ procedural remarks.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY			10	4	0	0	3			9	8		*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																			
0-3	10-17	Device address. Not applicable; leave columns blank.																			
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory:																			
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>* 1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		* 1	RPQ indicator (CDS contains RPQ information)				
		CARD COLUMN	HEX ENTRY																		
		18		Nothing defined; leave column blank.																	
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).																			
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).																			
	* 1	RPQ indicator (CDS contains RPQ information)																			
5	20-21	Feature code. Enter 04 to specify that the adapter is TTY I.																			
6-7	22-25	Class and type code for 2703 TCU; enter: 4003.																			
8	26-29	Columns not used; leave blank.																			
9-A	30-33	Flags code. Enter as applicable; otherwise, leave column(s) blank:																			
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> <tr> <td>32</td> <td>4</td> <td>Do not assign this device as primary device.</td> </tr> <tr> <td>33</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.	32	4	Do not assign this device as primary device.	33		Nothing defined; leave column blank.				
		CARD COLUMN	HEX ENTRY																		
		30	4	Device shared with another system.																	
		31	4	This device or its control unit has two-channel switch installed.																	
32	4	Do not assign this device as primary device.																			
33		Nothing defined; leave column blank.																			
B	34-35	External signal mask field. If none apply, leave columns blank.																			
C	36-37	Transmission control unit features. Enter as applicable:																			
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="4">36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td>4</td> <td>Autocall is installed.</td> </tr> <tr> <td>2</td> <td>Autopoll is installed.</td> </tr> <tr> <td>1</td> <td>Data set is an IBM modem (two-wire, half duplex, enables on transmit).</td> </tr> <tr> <td rowspan="3">37</td> <td>8</td> <td>Downshift on space feature is installed.</td> </tr> <tr> <td>2</td> <td>One-character idle time deleted.</td> </tr> <tr> <td>1</td> <td>Alternate EOT is installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.	4	Autocall is installed.	2	Autopoll is installed.	1	Data set is an IBM modem (two-wire, half duplex, enables on transmit).	37	8	Downshift on space feature is installed.	2	One-character idle time deleted.	1	Alternate EOT is installed.
		CARD COLUMN	HEX ENTRY																		
36	8	Two-processor/channel switch is installed.																			
	4	Autocall is installed.																			
	2	Autopoll is installed.																			
	1	Data set is an IBM modem (two-wire, half duplex, enables on transmit).																			
37	8	Downshift on space feature is installed.																			
	2	One-character idle time deleted.																			
	1	Alternate EOT is installed.																			
CDS CONTINUED ON NEXT PAGE																					

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
D-F	38-43	Columns not used; leave blank.
10	44-45	Enter alternate EOT character if alternate EOT feature is installed. Otherwise leave columns blank.
11	46-47	Enter 98 in these columns.
12-1D	48-71	Columns not used; leave blank.
	72	Enter an asterisk (*) for continuation on next card.

>> E51781 RPQ FOR 2703 TTY I (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	C5F5F1F7F8F1/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C5F5F1F7F8F1 in columns 20-31 for RPQ E51781.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E53474 RPQ FOR 2702 TTY II (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			1	0	5	4	0	0	2			F	*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE												
0-3	10-17	Device address right justified. Leading zeros can be omitted.												
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" data-bbox="324 651 519 808"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>8</td> </tr> <tr> <td></td> <td>*1</td> </tr> </tbody> </table> Nothing defined, leave column blank. Transmit pad (DF) is active (EC307724). RPQ indicator (CDS contains RPQ information).	CARD COLUMN	HEX ENTRY	18		19	8		*1				
CARD COLUMN	HEX ENTRY													
18														
19	8													
	*1													
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.												
6-7	22-25	Class and type for 2702 TCU; enter: 4002.												
8	26-29	Columns not used; leave blank.												
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" data-bbox="324 1008 519 1165"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> </tr> <tr> <td>31</td> <td>4</td> </tr> </tbody> </table> Device shared with another system. This device or its control unit has two-channel switch installed.	CARD COLUMN	HEX ENTRY	30	4	31	4						
CARD COLUMN	HEX ENTRY													
30	4													
31	4													
A-B	32-35	Nothing defined; leave columns blank.												
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank: <table border="1" data-bbox="324 1302 519 1522"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> </tr> <tr> <td></td> <td>4</td> </tr> <tr> <td></td> <td>2</td> </tr> <tr> <td></td> <td>1</td> </tr> <tr> <td>37</td> <td>2</td> </tr> </tbody> </table> Two-processor/channel switch installed. Autocall installed. Auto poll installed. Data set is an IBM modem (two-wire half duplex, enables on transmit). One-character idle time deleted.	CARD COLUMN	HEX ENTRY	36	8		4		2		1	37	2
CARD COLUMN	HEX ENTRY													
36	8													
	4													
	2													
	1													
37	2													
D-10	38-45	Nothing defined; leave columns blank.												

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED						
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. Enter as applicable: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>46 47-51</td> <td>F</td> <td>Enter F as run mask. No run mask defined; leave columns blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		46 47-51	F	Enter F as run mask. No run mask defined; leave columns blank.
CARD COLUMN	HEX ENTRY							
46 47-51	F	Enter F as run mask. No run mask defined; leave columns blank.						
14-16	52-58	Columns not used; leave blank.						
17	59	Enter the number of EOT sequence character (maximum is 4).						
18-1B	60-67	Enter the hex equivalent of the EOT sequence in downshift case, left justified. Enter EOT sequence in even parity.						
1C-1D	68-71	Columns not used; leave blank.						
	72	Enter an asterisk (*) for continuation on next card.						

>> E53474 RPQ FOR 2702 TTY II (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7		
ENTRY		
			C	5	F	5	F	3	F	4	F	7	F	4	/

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C5F5F3F4F7F4 in columns for RPQ E53474.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E54838 RPQ FOR 2702 TTY I (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			1	0	4	4	0	0	2		F		*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																			
0-3	10-17	Device address right justified. Leading zeros can be omitted.																			
4	18-19	Model code. Hex values with an asterisk (*) are mandatory.																			
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>18</td> <td></td> <td>Nothing defined, leave column blank.</td> </tr> <tr> <td>19</td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined, leave column blank.	19	*1	RPQ indicator (CDS contains RPQ information).										
CARD COLUMN	HEX ENTRY																				
18		Nothing defined, leave column blank.																			
19	*1	RPQ indicator (CDS contains RPQ information).																			
5	20-21	Feature code. Enter 04 to specify that the adapter is type TTY I.																			
6-7	22-25	Class and type for 2702 TCU; enter: 4002.																			
8	26-29	Columns not used; leave blank.																			
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:																			
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.										
CARD COLUMN	HEX ENTRY																				
30	4	Device shared with another system.																			
31	4	This device or its control unit has two-channel switch installed.																			
A-B	32-35	Nothing defined; leave columns blank.																			
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:																			
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td rowspan="4">36</td> <td>8</td> <td>Two-processor/channel switch installed.</td> </tr> <tr> <td>4</td> <td>Autocall installed.</td> </tr> <tr> <td>2</td> <td>Auto poll installed.</td> </tr> <tr> <td>1</td> <td>Data set is an IBM modem (two-wire half duplex, enables on transmit).</td> </tr> <tr> <td rowspan="3">37</td> <td>8</td> <td>Down shift on space feature installed.</td> </tr> <tr> <td>2</td> <td>One-character idle time deleted.</td> </tr> <tr> <td>1</td> <td>Alternate EOT installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch installed.	4	Autocall installed.	2	Auto poll installed.	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).	37	8	Down shift on space feature installed.	2	One-character idle time deleted.	1	Alternate EOT installed.
CARD COLUMN	HEX ENTRY																				
36	8	Two-processor/channel switch installed.																			
	4	Autocall installed.																			
	2	Auto poll installed.																			
	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).																			
37	8	Down shift on space feature installed.																			
	2	One-character idle time deleted.																			
	1	Alternate EOT installed.																			
D-F	38-43	Nothing defined; leave columns blank.																			
10	44-45	Enter alternate EOT character with alternate EOT feature installed. Otherwise leave column blank.																			

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46 47-51	F Enter F as run mask. No run mask defined; leave column blank.
14-16	52-58	Columns not used; leave blank.	
17	59	Enter the number of EOT sequence characters (maximum number is 4).	
18-1B	60-67	Enter the hex equivalent of the EOT sequence in LTRS mode, left-justified. For example: 4 N's = 06060606, FIGS H LTRS = 1B051F (standard EOT).	
1C-1D	68-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> E54838 RPQ FOR 2702 TTY I (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	C5F5F4F8F3F8/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter C5F5F4F8F3F8 in columns for RPQ E54838.	
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.	

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E54838 RPQ FOR 2702 TTY II (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			1	0	5	4	0	0	2			F	*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory:	
		CARD COLUMN	HEX ENTRY
		18	
		19	8
		*1	
		Nothing defined, leave column blank. Transmit pad (DF) is active (EC307724). RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.	
6-7	22-25	Class and type for 2702 TCU; enter: 4002.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			2
			1
		37	2
		Two-processor/channel switch installed. Autocall installed. Auto poll installed. Data set is an IBM modem (two-wire half duplex, enables on transmit). One-character idle time deleted.	
D-10	38-45	Nothing defined; leave columns blank.	

---CDS CONTINUED ON NEXT PAGE---

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46 47-51	F Enter F as run mask. No run mask defined; leave columns blank.
14-1C	52-69	Columns not used; leave blank.	
1D	70-71	Enter the first pluggable control character (nonalphabetic).	
	72	Enter an asterisk (*) for continuation on next card.	

>> E54838 RPQ FOR 2702 TTY II (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
	C5F5F4F8F3F8/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E	16-17	Enter the second pluggable control character (nonalphabetic).	
1F	18-19	Pluggable options. Enter as applicable; otherwise, leave column(s) blank.	
		CARD COLUMN	HEX ENTRY
		18	8 4 Two plug characters are installed. One plug character is installed.
		19	8 4 2 1 WRU plugged not to cause end. ACK plugged not to cause end. X-ON plugged not to cause end. X-OFF plugged not to cause end.
20-25	20-31	Hardware RPQ number (six digits). Enter C5F5F4F8F3F8 in columns for RPQ E54838.	
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.	

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E57294 AND/OR EB6324 RPQ(S) FOR 2703 TTY I (FIRST OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7						
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																
0-3	10-17	Device address right justified. Leading zeros can be omitted.																
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory:																
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		*1	RPQ indicator (CDS contains RPQ information).	
		CARD COLUMN	HEX ENTRY															
18		Nothing defined; leave column blank.																
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).																
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).																
	*1	RPQ indicator (CDS contains RPQ information).																
5	20-21	Feature code. Enter 04 to specify that the adpter is a TTY I.																
6-7	22-25	Class and type code for 2703 TCU; enter: 4003.																
8	26-29	Columns not used; leave blank.																
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:																
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.							
		CARD COLUMN	HEX ENTRY															
30	4	Device shared with another system.																
31	4	This device or its control unit has two-channel switch installed.																
A-B	32-35	Columns not used; leave blank.																
C	36-37	Transmission control unit features. Enter as applicable:																
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="2">36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td>4</td> <td>Autocall is installed.</td> </tr> <tr> <td rowspan="2">37</td> <td>1</td> <td>Data set is an IBM modem (two-wire, half duplex).</td> </tr> <tr> <td>8</td> <td>Downshift on space feature is installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Shift insert; delete is active.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.	4	Autocall is installed.	37	1	Data set is an IBM modem (two-wire, half duplex).	8	Downshift on space feature is installed.		4	Shift insert; delete is active.
		CARD COLUMN	HEX ENTRY															
36	8	Two-processor/channel switch is installed.																
	4	Autocall is installed.																
37	1	Data set is an IBM modem (two-wire, half duplex).																
	8	Downshift on space feature is installed.																
	4	Shift insert; delete is active.																
D-10	38-45	Columns not used; leave blank.																

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46-47	FF
		48-51	Enter FF as run mask. No run mask defined; leave columns blank.
14-1D	52-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> E57294 AND/OR EB6324 RPQS FOR 2703 TTY I (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	C5F5F7F2F9F4/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter C5F5F7F2F9F4 in columns for RPQ E57294.	
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.	

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E61988 RPQ FOR 2703 TTY II (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	.	.	1	0	5	4	0	0	3	.	E	.	*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE	
0-3	10-17	Device address right justified. Leading zeros can be omitted.	
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory:	
		CARD COLUMN	HEX ENTRY
		18	
		19	8
			*1
		Nothing defined, leave column blank. Transmit pad (DF) is active (EC307724). RPQ indicator (CDS contains RPQ information).	
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.	
6-7	22-25	Class and type for 2703 TCU; enter: 4003.	
8	26-29	Columns not used; leave blank.	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		36	
		37	8
		Nothing defined, leave column blank. Downshift on space feature is installed.	
D-10	38-45	Columns not used; leave blank.	

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46 47-51	E Enter E as run mask. No run mask defined; leave columns blank.
14-16	52-58	Columns not used; leave blank.	
17	59	Enter the number (maximum 4) of EOT sequence characters if different from standard EOT. If standard EOT, leave column blank.	
18-1B	60-67	Enter the hex equivalent of the EOT sequence if different from standard EOT (hex 21), left-justified.	
1C	68-69	RPQ option bits. Enter as applicable; otherwise, leave column(s) blank.	
		CARD COLUMN	HEX ENTRY
		68	8 4 2 1 8 SIC option is wired on. SOH option is wired on. STX option is wired on. ETX option is wired on. Delete character is not deleted on read.
		69	8
1D	70-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> E61988 RPQ FOR 2703 TTY II (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			C	5	F	6	F	1	F	9	F	8	F

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C5F6F1F9F8F8 in columns for RPQ E61988.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E62376 RPQ FOR 2703 TTY II (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			1	0	5	4	0	0	3		3	F	*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE						
0-3	10-17	Device address right justified. Leading zeros can be omitted.						
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>*1</td> </tr> </tbody> </table> Nothing defined, leave column blank. RPQ indicator (CDS contains RPQ information).	CARD COLUMN	HEX ENTRY	18		19	*1
CARD COLUMN	HEX ENTRY							
18								
19	*1							
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.						
6-7	22-25	Class and type for 2703 TCU; enter: 4003.						
8	26-29	Columns not used; leave blank.						

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			1
		37	2
		Two-processor/channel switch installed. Autocall installed. Data set is an IBM modem (two-wire half duplex, enables on transmit). One-character idle time deleted.	
D-E	38-41	Enter the alternate control characters. If only one is installed, it must be entered in columns 38-39; leave columns 40-41 blank.	
F	42-43	Pluggable options. Enter as applicable; hex values with an asterisk (*) are mandatory:	
		CARD COLUMN	HEX ENTRY
		42	8
			4
		43	8
			4
			*2
			*1
		Two plug characters are installed. One plug character is installed. WRU plugged not to cause end. ACK plugged not to cause end. X-ON plugged not to cause end. X-OFF plugged not to cause end.	
10	44-45	Columns not used; leave blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46	F
		47-51	
		Enter F as run mask. No run mask defined; leave columns blank.	
14-1D	52-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> E62376 RPQ FOR 2703 TTY II (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	C5F6F2F3F7F6/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C5F6F2F3F7F6 in columns for RPQ E62376.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E62920 RPQ FOR 2702 TTY II (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	1054002 F *												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE												
0-3	10-17	Device address right justified. Leading zeros can be omitted.												
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined, leave column blank.</td> </tr> <tr> <td>19</td> <td>8</td> <td>Transmit pad (DF) is active (EC307724).</td> </tr> <tr> <td></td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined, leave column blank.	19	8	Transmit pad (DF) is active (EC307724).		*1	RPQ indicator (CDS contains RPQ information)
CARD COLUMN	HEX ENTRY													
18		Nothing defined, leave column blank.												
19	8	Transmit pad (DF) is active (EC307724).												
	*1	RPQ indicator (CDS contains RPQ information)												
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.												
6-7	22-25	Class and type for 2702 TCU; enter: 4002.												
8	26-29	Columns not used; leave blank.												

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			1
		37	2
		Two-processor/channel switch installed. Autocall installed. Data set is an IBM modem (two-wire half duplex, enables on transmit). One-character idle time deleted.	
D-10	38-45	Nothing defined; leave columns blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46	F
		47-51	
		Enter F as run mask. No run mask defined; leave columns blank.	
14-1C	52-69	Columns not used; leave blank.	
1D	70-71	Enter the first pluggable control character nonalphabetic).	
	72	Enter an asterisk (*) for continuation on next card.	

>> E62920 RPQ FOR 2702 TTY II (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	C5F6F2F9F2F0/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E	16-17	Enter the second pluggable control character (nonalphabetic).	
1F	18-19	Pluggable options. Enter as applicable; otherwise, leave column(s) blank.	
		CARD COLUMN	HEX ENTRY
		18	8 Two plug characters are installed.
			4 One plug character is installed.
		19	8 WRU plugged not to cause end.
			4 ACK plugged not to cause end.
			2 X-ON plugged not to cause end.
			1 X-OFF plugged not to cause end.
20-25	20-31	Hardware RPQ number (six digits). Enter C5F6F2F9F2F0 in columns for RPQ E62920.	
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.	

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E64636 RPQ FOR 2703 TTY II (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			1	0	5	4	0	0	3				*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified, leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" data-bbox="357 630 560 766"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>18</td> <td></td> <td>Nothing defined, leave column blank.</td> </tr> <tr> <td>19</td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined, leave column blank.	19	*1	RPQ indicator (CDS contains RPQ information).						
CARD COLUMN	HEX ENTRY																
18		Nothing defined, leave column blank.															
19	*1	RPQ indicator (CDS contains RPQ information).															
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.															
6-7	22-25	Class and type for 2703 TCU; enter: 4003.															
8	26-29	Columns not used, leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" data-bbox="357 966 560 1113"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
A-B	32-35	Nothing defined, leave columns blank.															
C	36-37	Transmission control unit features. Enter as applicable, otherwise leave column(s) blank: <table border="1" data-bbox="357 1249 560 1459"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Data set is an IBM modem (two-wire half duplex, enables on transmit).</td> </tr> <tr> <td>37</td> <td>2</td> <td>One-character idle time deleted.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch installed.		4	Autocall installed.		1	Data set is an IBM modem (two-wire half duplex, enables on transmit).	37	2	One-character idle time deleted.
CARD COLUMN	HEX ENTRY																
36	8	Two-processor/channel switch installed.															
	4	Autocall installed.															
	1	Data set is an IBM modem (two-wire half duplex, enables on transmit).															
37	2	One-character idle time deleted.															
D-10	38-45	Nothing defined, leave columns blank.															
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. <table border="1" data-bbox="357 1564 560 1690"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>46</td> <td>C</td> <td>Enter C as run mask.</td> </tr> <tr> <td>47-51</td> <td></td> <td>No run mask defined; leave columns blank.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		46	C	Enter C as run mask.	47-51		No run mask defined; leave columns blank.						
CARD COLUMN	HEX ENTRY																
46	C	Enter C as run mask.															
47-51		No run mask defined; leave columns blank.															
14-1D	52-71	Nothing defined, leave columns blank.															
	72	Enter an asterisk (*) for continuation on next card.															

NOTE: Refer to Section 6 for 270X procedural details, and for the procedure for handling multiple RPQs.

>> E64636 RPQ FOR 2703 TTY II (SECOND OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
	C5F6F4F6F3F6/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C5F6F4F6F3F6 in columns for RQP E64636.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE below.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> E66707 RPQ FOR 2703 TTY II (FIRST OF TWO CDS CARDS)

Refer to Section 6 for 270X RPQ procedural details.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
	1054003			F							*		

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE				
0-3	10-17	Device address right justified, leading zeros can be omitted.				
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory:				
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>*1</td> </tr> </table>	CARD COLUMN	HEX ENTRY	18	
CARD COLUMN	HEX ENTRY					
18						
19	*1					
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.				
6-7	22-25	Class and type for 2703 TCU; enter: 4003.				
8	26-29	Columns not used, leave blank.				

CDS CONTINUED ON NEXT PAGE

CDS FILE CONTINUED				
CDS CORE BYTE	CARD COLUMN			
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:		
		CARD COLUMN	HEX ENTRY	
		30 31	4 4	Device shared with another system. This device or its control unit has two-channel switch installed.
A-B	32-35	Nothing defined, leave columns blank.		
C	36-37	Transmission control unit features. Enter as applicable, otherwise leave column(s) blank:		
		CARD COLUMN	HEX ENTRY	
		36	8 4 1	Two-processor/channel switch installed. Autocall installed. Data set is an IBM modem (two-wire half duplex, enables on transmit).
		37	2	One-character idle time deleted.
D-E	38-41	Enter the pluggable control characters. If only one is installed, it must be entered in columns 38-39; leave columns 40-41 blank.		
F	42-43	Pluggable options. Enter as applicable; otherwise, leave column(s) blank.		
		CARD COLUMN	HEX ENTRY	
		42	8 4	Two plug characters are installed. One plug character is installed.
		43	8 4 2 1	WRU plugged not to cause end. ACK plugged not to cause end. X-ON plugged not to cause end. X-OFF plugged not to cause end.
10	44-45	Nothing defined, leave columns blank.		
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.		
		CARD COLUMN	HEX ENTRY	
		46 47-51	F	Enter F as run mask. No run mask defined; leave column blank.
14-1D	52-71	Nothing defined, leave columns blank.		
	72	Enter an asterisk (*) for continuation on next card.		

>> E66707 RPQ FOR 2703 TTY II (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7															
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY	C5F6F6F7F0F7/																											

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C5F6F6F7F0F7 in columns for RPQ E66707.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> FA1354 RPQ FOR 2703 TTY I (FIRST OF TWO CDS CARDS)

Refer to Section 6 for 270X RPQ procedural details.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7															
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY	1044003 F *																											

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE						
0-3	10-17	Device address right justified, leading zeros can be omitted.						
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory:						
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>*1</td> </tr> </table>	CARD COLUMN	HEX ENTRY	18		19	*1
		CARD COLUMN	HEX ENTRY					
18								
19	*1							
Nothing defined, leave column blank. RPQ indicator (CDS contains RPQ information).								
5	20-21	Feature code. Enter 04 to specify that the adapter is type TTY I.						
6-7	22-25	Class and type for 2703 TCU; enter: 4003.						
8	26-29	Columns not used, leave blank.						

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined, leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable, otherwise leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			1
		Two-processor/channel switch installed. Autocall installed. Data set is an IBM modem (two-wire half duplex, enables on transmit).	
		37	8
			2
			1
		Down shift on space feature installed. One-character idle time deleted. Alternate EOT installed.	
D-F	38-43	Nothing defined, leave columns blank.	
10	44-45	Enter alternate EOT character with alternate EOT feature installed. Otherwise leave column blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46	F
		47-51	
		Enter F as run mask. No run mask defined; leave columns blank.	
14-16	52-58	Nothing defined, leave columns blank.	
17	59	Enter the number (maximum of 4) of EOT sequence characters.	
18-1B	60-67	Enter the hex equivalent of the EOT sequence in LTRS mode, left-justified. For example: 4 N's = 06060606.	
1C-1D	68-71	Nothing defined, leave columns blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> FA1354 RPQ FOR 2703 TTY I (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			C	6	C	1	F	1	F	3	F	5	F
			/										

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C6C1F1F3F5F4 in columns for RPQ FA1354.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> FA3333 RPQ FOR 2701 PDA (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	0A4001				FF				*				

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	18	Nothing defined; leave column blank.
	19	4 Write only line (Refer to RPQ OLT writeup for RPQ features).
		2 Read only line (Refer to RPQ OLT writeup for RPQ features).
		1 RPQ indicator (CDS contains RPQ information)
5	20-21	Feature code. Enter 0A to specify the adapter as a PDA.
6-7	22-25	Class and type code for 2701 TCU; enter: 4001.
8	26-29	Columns not used; leave blank.
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:
	CARD COLUMN	HEX ENTRY
	30	4 Terminal shared with another system.
	31	4 This control unit has a two-channel switch installed.
A-B	32-35	Columns not used; leave blank.
C	36-37	Transmission control unit features. Enter as applicable:
	CARD COLUMN	HEX ENTRY
	36	8 Two-processor/channel switch is installed.
	37	Nothing defined, leave column blank.
D-10	38-45	Columns not used; leave blank.
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.
	CARD COLUMN	HEX ENTRY
	46-47	FF Enter FF as run mask.
	48-51	No run mask defined; leave columns blank.
14-1D	52-71	Columns not used; leave blank.
	72	Enter an asterisk (*) for continuation on next card.

>> FA3333 RPQ FOR 2701 IBM PDA (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			C	6	C	1	F	3	F	3	F	3	/

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C6C1F3F3F3F3 in columns for RPQ FA3333.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> F16124 RPQ FOR 2701 RPQ ADAPTER (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	B	4	0	0	1					*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. Enter 0B to specify the adapter as a RPQ adapter.
6-7	22-25	Class and type code for 2701 TCU; enter: 4001.
8-1D	26-71	Columns not used; leave blank.
	72	Enter an asterisk (*) for continuation on next card.

>> F16124 RPQ FOR 2701 RPQ ADAPTER (SECOND OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	C6F1F6F1F2F4/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter C6F1F6F1F2F4 in columns for RPQ F16124.
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> F30655 RPQ FOR 2701 RPQ ADAPTER (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	0B4001*												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Line address right justified. Leading zeros can be omitted.									
4	18-19	Model code. None defined; leave columns blank.									
5	20-21	Feature code. Enter 0B to specify that the adapter is an RPQ adapter.									
6-7	22-25	Class and type code for 2701 TCU; enter: 4001.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:									
		<table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Terminal shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Terminal shared with another system.	31	4	This device or its control unit has two-channel switch installed.
CARD COLUMN	HEX ENTRY										
30	4	Terminal shared with another system.									
31	4	This device or its control unit has two-channel switch installed.									
A-B	32-35	Columns not used; leave blank.									

-----CDS CONTINUED ON NEXT PAGE-----

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
C	36-37	Transmission Control unit features. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		36	8 4 2
			Two-processor/channel switch is installed. Autocall is installed. Communication line is a switched line. Nothing defined; leave column blank.
D-1D	38-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> F30655 RPQ FOR 2701 RPQ ADAPTER (SECOND OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
		
			C	6	F	3	F	0	F	6	F	5	F
			/										

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter C6F3F0F6F5F5 in columns for RPQ F30655.	
	32	Enter a slash (/) to indicate end of CDS entry. See NOTE 1.	

NOTE 1: Replace the local CDS card with these RPQ cards for the same device address.

>> M24802 RPQ FOR 2701 RPQ ADAPTER (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	0B4001												*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. None defined; leave columns blank.									
5	20-21	Feature code. Enter 0B to specify the adapter as an RPQ adapter.									
6-7	22-25	Class and type code for 2701 TCU; enter: 4001.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.
CARD COLUMN	HEX ENTRY										
30	4	Device shared with another system.									
31	4	This device or its control unit has two-channel switch installed.									
A-B	32-35	Columns not used; leave blank.									
C	36-37	Transmission control unit features. Enter as applicable:									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td>37</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.	37		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY										
36	8	Two-processor/channel switch is installed.									
37		Nothing defined; leave column blank.									
D	38-39	Enter DLE character decode.									
E	40-41	Enter ETB character decode.									
F	42-43	Enter ETX character decode.									
10	44-45	Enter SYN character decode.									
11-13	46-51	Columns not used; leave blank.									

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
14	52-53	RPQ features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		52	8
			4
		53	8
			4
			2
			1
15-1D	54-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> M24802 RPQ FOR 2701 RPQ ADAPTER (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	D4F2F4F8F0F2/ (See NOTE A.)												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter D4F2F4F8F0F2 in columns for RPQ M24802.	
26-2B	32-43	Enter D4F2F5F6F9F7 if CRC checking is installed (RPQ M25697). See NOTE A.	

NOTE A: If the first hardware RPQ (M24802) is installed, enter a slash in column 32. If both RPQs are installed (M25697 is the second), enter the slash in column 44 (not in 32).

>> M27370 RPQ FOR 2702 TTY II (8A1) ADAPTER (FIRST OF TWO CDS CARDS)

Refer to Section 6 for 270X procedural details.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	5	4	0			F				*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information)
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information)															
5	20-21	Feature code. Enter 05 to specify the adapter as a TTY II.															
6-7	22-25	Class and type code for 2702 TCU; enter: 4002.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
A-B	32-35	Columns not used; leave blank.															

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
C-D	36-39	Transmission control unit features. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		36	8 4 2 1
		37	2
		38	3
		39	2 1 0
		Two-processor/channel switch is installed. Autocall is installed. Short timeout is deleted. Data set is an IBM modem (two-wire, half duplex). One-character idle time deleted. Nothing defined; leave column blank. SADTHREE command. SADTWO command. SADONE command. SADZERO command.	
E-10	40-45	Columns not used; leave blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46	F
		47-51	
		Enter F as run mask. No run mask defined; leave columns blank.	
14-1D	52-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> M27370 RPQ FOR 2702 TTY II (8A1) ADAPTER (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY
			D	4	F	2	F	7	F	3	F	7	F
			/										

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter D4F2F7F3F7F0 in columns for RPQ M27370.	
	32	Enter a slash (/) to indicate end of CDS entry.	

>> M44331 RPQ FOR 2701 RPQ ADAPTER (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE
0-3	10-17	Device address right justified. Leading zeros can be omitted.
4	18-19	Model code. None defined; leave columns blank.
5	20-21	Feature code. Enter 0B to specify the adapter as an RPQ adapter.
6-7	22-25	Class and type code for 2701 TCU; enter: 4001.
8-1D	26-71	Columns not used; leave blank.
	72	Enter an asterisk (*) for continuation on next card.

>> M44331 RPQ FOR 2701 RPQ ADAPTER (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter D4F4F4F3F3F1 in column for RPQ M44331.
	32	Enter a slash (/) to indicate end of CDS entry.

D99-CDSGA-20

>> U13500 RPQ FOR 1270 OPTICAL CHARACTER READER DUAL ADDRESS ADAPTER

Two entries are required: one for the primary device, and one for the secondary device.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	.	.	0	8

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE						
0-3	10-17	Device address right justified. Leading zeros can be omitted.						
4	18-19	Model code. If none apply, leave column(s) blank.						
5	20-21	Feature code. If none apply, leave column(s) blank.						
6-7	22-25	Class and type codes. Select one of the following: <table border="1" style="margin-left: 20px;"> <tr> <td>HEX</td> <td>ENTRY</td> </tr> <tr> <td>0837</td> <td>1270 dual address adapter primary CDS entry.</td> </tr> <tr> <td>0838</td> <td>1270 dual address adapter secondary CDS entry.</td> </tr> </table>	HEX	ENTRY	0837	1270 dual address adapter primary CDS entry.	0838	1270 dual address adapter secondary CDS entry.
HEX	ENTRY							
0837	1270 dual address adapter primary CDS entry.							
0838	1270 dual address adapter secondary CDS entry.							
8	26-29	Columns not used; leave blank.						
9	30-31	Flags code. If none apply, leave column(s) blank.						
A	32-33	Flags code extension. None defined; leave columns blank.						
B	34-35	External signal mask field. If none, leave columns blank.						
	36	Enter a slash (/) to indicate end of CDS entry.						

>> U21132 RPQ FOR 1255 MAGNETIC CHARACTER READER

Two entries are required: one for primary adapter, one for secondary adapter.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	08				/								

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE														
0-3	10-17	Device address right justified. Leading zeros can be omitted.														
4	18-19	Model code. Specify one of the following: <table border="1" style="margin-left: 20px;"> <tr> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>01</td> <td>Model 1</td> </tr> <tr> <td>02</td> <td>Model 2</td> </tr> <tr> <td>03</td> <td>Model 3</td> </tr> <tr> <td>21</td> <td>Model 21</td> </tr> <tr> <td>22</td> <td>Model 22</td> </tr> <tr> <td>23</td> <td>Model 23</td> </tr> </table>	HEX ENTRY		01	Model 1	02	Model 2	03	Model 3	21	Model 21	22	Model 22	23	Model 23
HEX ENTRY																
01	Model 1															
02	Model 2															
03	Model 3															
21	Model 21															
22	Model 22															
23	Model 23															
5	20-21	Feature code. If none apply, leave columns blank.														
6-7	22-25	Class and type codes. Select one of the following: <table border="1" style="margin-left: 20px;"> <tr> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>0835</td> <td>1255 dual address adapter primary CDS entry.</td> </tr> <tr> <td>0836</td> <td>1255 dual address adapter secondary CDS entry.</td> </tr> </table>	HEX ENTRY		0835	1255 dual address adapter primary CDS entry.	0836	1255 dual address adapter secondary CDS entry.								
HEX ENTRY																
0835	1255 dual address adapter primary CDS entry.															
0836	1255 dual address adapter secondary CDS entry.															
8	26-29	Columns not used; leave blank.														
9	30-31	Flags code. If none apply, leave column(s) blank.														
A	32-33	Flags code extension. None defined; leave columns blank.														
B	34-35	External signal mask field. If none, leave columns blank.														
C-D	40	Enter a slash (/) to indicate end of CDS entry.														

>> U27310, W23396, OR 858013 RPQS FOR 2703 IBM TYPE I (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			0	1	4	0	0	3		5			*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																		
0-3	10-17	Device address right justified. Leading zeros can be omitted.																		
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information)			
CARD COLUMN	HEX ENTRY																			
18		Nothing defined; leave column blank.																		
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).																		
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).																		
	1	RPQ indicator (CDS contains RPQ information)																		
5	20-21	Feature code. Enter 01 to specify the adapter as an IBM Type I.																		
6-7	22-25	Class and type code for 2703 TCU; enter: 4003.																		
8	26-29	Columns not used; leave blank.																		
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.									
CARD COLUMN	HEX ENTRY																			
30	4	Device shared with another system.																		
31	4	This device or its control unit has two-channel switch installed.																		
A-B	32-35	Columns not used; leave blank.																		
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall is installed.</td> </tr> <tr> <td></td> <td>1</td> <td>Data set is an IBM modem (two-wire, half duplex).</td> </tr> <tr> <td>37</td> <td>4</td> <td>Break feature is installed (feature code 8200).</td> </tr> <tr> <td></td> <td>2</td> <td>One-character idle time deleted.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.		4	Autocall is installed.		1	Data set is an IBM modem (two-wire, half duplex).	37	4	Break feature is installed (feature code 8200).		2	One-character idle time deleted.
CARD COLUMN	HEX ENTRY																			
36	8	Two-processor/channel switch is installed.																		
	4	Autocall is installed.																		
	1	Data set is an IBM modem (two-wire, half duplex).																		
37	4	Break feature is installed (feature code 8200).																		
	2	One-character idle time deleted.																		
D-10	38-45	Columns not used; leave blank.																		

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46 47-51	5 Enter 5 as run mask. No run mask defined. Leave columns blank.
14-1D	52-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> U27310, W23396, OR 858013 RPQS FOR 2701 IBM TYPE I (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter E4F2F7F3F1F0 in column for RPQ U27310; E6F2F3F3F9F6 for RPQ W23396; or F8F5F8F0F1F3 for RPQ 858013.	
	32	Enter a slash (/) to indicate end of CDS entry.	

>> U28612 RPQ FOR 2703 IBM TYPE I (FIRST OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7	
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2	*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE										
0-3	10-17	Device address right justified. Leading zeros can be omitted.										
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" data-bbox="324 661 527 787"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>*1</td> </tr> </table> Nothing defined, leave column blank. RPQ indicator (CDS contains RPQ information).	CARD COLUMN	HEX ENTRY	18		19	*1				
CARD COLUMN	HEX ENTRY											
18												
19	*1											
5	20-21	Feature code. Enter 01 to specify the adapter as an IBM Type I.										
6-7	22-25	Class and type code for 2703 TCU; enter: 4003.										
8	26-29	Columns not used; leave blank.										
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" data-bbox="324 997 527 1144"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>30</td> <td>4</td> </tr> <tr> <td>31</td> <td>4</td> </tr> </table> Device shared with another system. This device or its control unit has two-channel switch installed.	CARD COLUMN	HEX ENTRY	30	4	31	4				
CARD COLUMN	HEX ENTRY											
30	4											
31	4											
A-B	32-35	Columns not used; leave blank.										
C	36-37	Transmission control unit features. Enter as applicable: <table border="1" data-bbox="324 1260 527 1438"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>36</td> <td>2</td> </tr> <tr> <td>37</td> <td>4</td> </tr> <tr> <td></td> <td>2</td> </tr> <tr> <td></td> <td>1</td> </tr> </table> Auto poll is installed. Break feature is installed (feature code 8200). One character idle time deleted (RPQ Z16087). Alternate EOT is installed.	CARD COLUMN	HEX ENTRY	36	2	37	4		2		1
CARD COLUMN	HEX ENTRY											
36	2											
37	4											
	2											
	1											
D-10	38-45	Nothing defined; leave columns blank.										
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. <table border="1" data-bbox="324 1543 527 1669"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>46</td> <td>2</td> </tr> <tr> <td>47-51</td> <td></td> </tr> </table> Enter 2 as run mask. No run mask defined; leave columns blank.	CARD COLUMN	HEX ENTRY	46	2	47-51					
CARD COLUMN	HEX ENTRY											
46	2											
47-51												
14-1D	52-71	Columns not used; leave blank.										
	72	Enter an asterisk (*) for continuation on next card.										

>> U28612 RPQ FOR 2703 IBM TYPE I (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	E4F2F8F6F1F2/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter E4F2F8F6F1F2 in column for RPQ U28612.
	32	Enter a slash (/) to indicate end of CDS entry.

>> U49493 RPQ FOR WTC TTY ADAPTER WITH LINE WRAP

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY
			4	0	0	2	/						

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE								
0-3	10-17	Line address right justified. Leading zeros can be omitted (the lowest line address on the 2702).								
4	18-19	Model code. None defined; leave columns blank.								
5	20-21	Feature code. None defined; leave columns blank.								
6-7	22-25	Class and type code.								
		<table border="1"> <thead> <tr> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>4002</td> <td>For 2702 TCU</td> </tr> </tbody> </table>	HEX ENTRY		4002	For 2702 TCU				
HEX ENTRY										
4002	For 2702 TCU									
8	26-29	Columns not used; leave blank.								
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:								
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td rowspan="2">Device shared with another system. This device or its control unit has two-channel switch installed.</td> </tr> <tr> <td>31</td> <td>4</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system. This device or its control unit has two-channel switch installed.	31	4
CARD COLUMN	HEX ENTRY									
30	4	Device shared with another system. This device or its control unit has two-channel switch installed.								
31	4									
	32	Enter a slash (/) to indicate end of CDS entry.								

>> U49493 RPQ FOR 2702 WTC TTY ADAPTER (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7																									
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
ENTRY	064002*																																					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE																									
0-3	10-17	Device address right justified. Leading zeros can be omitted.																									
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank:																									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	1	RPQ indicator (CDS contains RPQ information)																
CARD COLUMN	HEX ENTRY																										
18		Nothing defined; leave column blank.																									
19	1	RPQ indicator (CDS contains RPQ information)																									
5	20-21	Feature code. Enter 06 to specify the adapter as TTY II.																									
6-7	22-25	Class and type code for 2702 TCU; enter: 4002.																									
8	26-29	Columns not used; leave blank.																									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:																									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.																
CARD COLUMN	HEX ENTRY																										
30	4	Device shared with another system.																									
31	4	This device or its control unit has two-channel switch installed.																									
A-B	32-35	Columns not used; leave blank.																									
C-F	36-39	Transmission control unit features. Enter as applicable:																									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td>37</td> <td>2</td> <td>One-character idle time deleted.</td> </tr> <tr> <td></td> <td>1</td> <td>Alternate EOT is installed.</td> </tr> <tr> <td>38</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>39</td> <td>3</td> <td>SADTHREE command.</td> </tr> <tr> <td></td> <td>2</td> <td>SADTWO command.</td> </tr> <tr> <td></td> <td>1</td> <td>SADONE command.</td> </tr> <tr> <td></td> <td>0</td> <td>SADZERO command.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.	37	2	One-character idle time deleted.		1	Alternate EOT is installed.	38		Nothing defined; leave column blank.	39	3	SADTHREE command.		2	SADTWO command.		1	SADONE command.	
CARD COLUMN	HEX ENTRY																										
36	8	Two-processor/channel switch is installed.																									
37	2	One-character idle time deleted.																									
	1	Alternate EOT is installed.																									
38		Nothing defined; leave column blank.																									
39	3	SADTHREE command.																									
	2	SADTWO command.																									
	1	SADONE command.																									
	0	SADZERO command.																									
10-11	40-41	EOT character. Punch TTY version of EOT character; e.g., 25 for H.																									
12-13	42-43	EOB character. Punch TTY version of EOB character. e.g., 32 for D.																									
14	44-45	Alternate EOT character. Punch if bit 7 of byte 12 is 1.																									
15-17	46-51	No run mask defined; leave columns blank.																									
18-1D	52-71	Columns not used; leave blank.																									
	72	Enter an asterisk (*) for continuation on next card.																									

>> U49493 RPQ FOR 2702 WTC TTY ADAPTER (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	E4F4F9F4F9F3/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter E4F4F9F4F9F3 in column for RPQ U49493.
	32	Enter a slash (/) to indicate end of CDS entry.

>> W25206 RPQ FOR 2701 PDA (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	10A4001			F							*		

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE						
0-3	10-17	Device address right justified. Leading zeros can be omitted.						
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" data-bbox="332 1276 527 1407"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>*1</td> </tr> </tbody> </table> Nothing defined, leave column blank. RPQ indicator (CDS contains RPQ information).	CARD COLUMN	HEX ENTRY	18		19	*1
CARD COLUMN	HEX ENTRY							
18								
19	*1							
5	20-21	Feature code. Enter 0A to specify that the adapter is type PDA.						
6-7	22-25	Class and type for 2701 TCU; enter: 4001.						
8	26-29	Columns not used; leave blank.						
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" data-bbox="332 1612 527 1743"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> </tr> <tr> <td>31</td> <td>4</td> </tr> </tbody> </table> Device shared with another system. This device or its control unit has two-channel switch installed.	CARD COLUMN	HEX ENTRY	30	4	31	4
CARD COLUMN	HEX ENTRY							
30	4							
31	4							

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
A-B	32-35	Nothing defined; leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
		37	2
			3
			4
			5
			6
			8
D-10	38-45	Nothing defined; leave columns blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46	F
		47-51	
14-1D	52-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> W25206 RPQ FOR 2701 PDA (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	E6F2F5F2F0F6/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter E6F2F5F2F0F6 in columns for RPQ W25206.	
	32	Enter a slash (/) to indicate end of CDS entry.	

>> 851083 RPQ FOR 2703 BSA (SDA-II) (FIRST OF TWO CDS CARDS)

Refer to Section 6 for 270X procedural details.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			1	0	8	4	0	0	3				*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>18</td> <td></td> <td>Nothing defined, leave column blank.</td> </tr> <tr> <td>19</td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined, leave column blank.	19	*1	RPQ indicator (CDS contains RPQ information).
CARD COLUMN	HEX ENTRY										
18		Nothing defined, leave column blank.									
19	*1	RPQ indicator (CDS contains RPQ information).									
5	20-21	Feature code. Enter 08 to specify that the adapter is type SDA II (BSA or BSC).									
6-7	22-25	Class and type for 2703 TCU; enter: 4003.									
8	26-29	Columns not used; leave blank.									
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. <table border="1" style="margin-left: 20px;"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>46</td> <td>F</td> <td>Enter F as run mask.</td> </tr> <tr> <td>47-51</td> <td></td> <td>No run mask defined; leave columns blank.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		46	F	Enter F as run mask.	47-51		No run mask defined; leave columns blank.
CARD COLUMN	HEX ENTRY										
46	F	Enter F as run mask.									
47-51		No run mask defined; leave columns blank.									
14-1D	52-71	Nothing defined, leave columns blank.									
	72	Enter an asterisk (*) for continuation on next card.									

>> 851083 RPQ FOR 2703 BSA (SDA-II) (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	F8F5F1F0F8F3/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter F8F5F1F0F8F3 in columns for RPQ 851083.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 852078 RPQ FOR 2703 TTY II (FIRST OF TWO CDS CARDS)

Refer to Section 6 for 270X procedural details.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	1054003 F *												

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE						
0-3	10-17	Device address right justified, leading zeros can be omitted.						
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> <tr> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>*1</td> </tr> </table> Nothing defined, leave column blank. RPQ indicator (CDS contains RPQ information).	CARD COLUMN	HEX ENTRY	18		19	*1
CARD COLUMN	HEX ENTRY							
18								
19	*1							
5	20-21	Feature code. Enter 05 to specify that the adapter is type TTY II.						
6-7	22-25	Class and type for 2703 TCU; enter: 4003.						
8	26-29	Columns not used; leave blank.						

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		30	4
		31	4
		Device shared with another system. This device or its control unit has two-channel switch installed.	
A-B	32-35	Nothing defined, leave columns blank.	
C	36-37	Transmission control unit features. Enter as applicable, otherwise leave column(s) blank:	
		CARD COLUMN	HEX ENTRY
		36	8
			4
			1
		37	2
		Two-processor/channel switch installed. Autocall installed. Data set is an IBM modem (two-wire half duplex, enables on transmit). One-character idle time deleted.	
D-10	38-45	Nothing defined, leave columns blank.	
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.	
		CARD COLUMN	HEX ENTRY
		46	F
		47-51	
		Enter F as run mask. No run mask defined; leave columns blank.	
14-16	52-58	Nothing defined, leave columns blank.	
17	59	Enter the number (4 maximum) or EOT sequence characters.	
18-1B	60-67	Enter the hex equivalent of the EOT sequence in downshift case, left-justified. Enter EOT sequence with parity bit off. For example: 3 N's = 727272.	
1C-1D	68-71	Nothing defined, leave columns blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> 852078 RPQ FOR 2703 TTY II (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	F8F5F2F0F7F8/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter F8F5F2F0F7F8 in columns for RPQ 852078.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 857183 RPQ FOR 2701 IPCA (FIRST OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7	
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2	*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE								
0-3	10-17	Device address right justified. Leading zeros can be omitted.								
4	18-19	Model code. None defined; leave columns blank.								
5	20-21	Feature code. Enter 0B to specify special RPQ for which byte 4 bit 7 and bytes 17-19 do not apply.								
6-7	22-25	Class and type code for 2701 TCU; enter: 4001.								
8	26-29	Columns not used; leave blank.								
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td rowspan="2">Device shared with another system. This device or its control unit has two-channel switch installed.</td> </tr> <tr> <td>31</td> <td>4</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system. This device or its control unit has two-channel switch installed.	31	4
CARD COLUMN	HEX ENTRY									
30	4	Device shared with another system. This device or its control unit has two-channel switch installed.								
31	4									
A-B	32-35	Columns not used; leave blank.								
C	36-37	Transmission control unit features. Enter as applicable: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td rowspan="2">8</td> <td rowspan="2">Two-processor/channel switch is installed. Nothing defined; leave column blank.</td> </tr> <tr> <td>37</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed. Nothing defined; leave column blank.	37	
CARD COLUMN	HEX ENTRY									
36	8	Two-processor/channel switch is installed. Nothing defined; leave column blank.								
37										
D	38-39	DLE character decode.								
E	40-41	ETB character decode.								
F	42-43	ETX character decode.								
10	44-45	SYN character decode.								
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details.								

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
14	52-53	RPQ features. Enter as applicable:	
		CARD COLUMN	HEX ENTRY
		52	8
			4
		Set to 1 if any control character (DLE, ETB, ETX, SYN) has bit 0 set to 1.	
		Set to 1 if any control character has bit 1 set to 1.	
		The following bits are set to indicate if the emitted control character is to be included in check character accumulation:	
		53	8
			4
			2
			1
		DLE	
		ETB	
		ETX	
		SYN	
15-1D	54-71	Columns not used; leave blank.	
	72	Enter an asterisk (*) for continuation on next card.	

>> 857183 RPQ FOR 2701 IPCA (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
			F	8	F	5	F	7	F	1	F	8	F
			3	/									

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter F8F5F7F1F8F3 in columns for RPQ 857183.	
26-2B	32-43	Enter D4F2F5F6F9F7 if CRC checking is installed (RPQ M25697).	
	32 or 44	Enter a slash (/) in card column 32 if CRC is not installed, or in column 44 if CRC checking is installed.	

>> 858009 RPQ FOR 2701 ADAPTERS

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY					4	0		8					

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
	1-15	See NOTE below.									
0-8	16-29										
9	30-31	Flags code. Enter as applicable; hex values with an asterisk (*) are mandatory entries.									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>*4</td> <td>Device shared with another system (this bit must be set to 1).</td> </tr> <tr> <td>31</td> <td>*0</td> <td>This control unit has a two-channel switch installed (this bit must be set to 0; no such feature installed).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	*4	Device shared with another system (this bit must be set to 1).	31	*0	This control unit has a two-channel switch installed (this bit must be set to 0; no such feature installed).
CARD COLUMN	HEX ENTRY										
30	*4	Device shared with another system (this bit must be set to 1).									
31	*0	This control unit has a two-channel switch installed (this bit must be set to 0; no such feature installed).									
A-B	32-35	Nothing defined, leave columns blank.									
C	36-37	Transmission control unit features. Enter as shown:									
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>*8</td> <td>Two-processor/channel switch is installed (this bit must be set to 1).</td> </tr> <tr> <td>37</td> <td></td> <td>Nothing defined, leave column blank.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	*8	Two-processor/channel switch is installed (this bit must be set to 1).	37		Nothing defined, leave column blank.
CARD COLUMN	HEX ENTRY										
36	*8	Two-processor/channel switch is installed (this bit must be set to 1).									
37		Nothing defined, leave column blank.									
D-13	38-72	See the following NOTE.									

NOTE: The information given above is RPQ information only, and must be combined with other data which pertains to the specific type of 2701 Adapter involved. (A number of different types of 2701 Adapters are listed in the Table of Contents.) To prepare the first of the two required cards, look up the specific type of 2701 Adapter and OR the information given there with the RPQ data given above. Do not include the slash (/) in column 52; instead, punch an asterisk (*) in column 72. Include the RPQ number and additional RPQ data in the second card. Refer to Section 6 for additional details.

>> 858297 AND 858298 RPQS FOR 2701 IBM ADAPTER (FIRST OF TWO CDS CARDS)

Refer to Section 6 for 270X procedural details.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0B4001				F0000				*				

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information).
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information).															
5	20-21	Feature code. Enter 0B to specify the adapter as an RPQ adapter.															
6-7	22-25	Class and type code for 2701 TCU; enter: 4001.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
A-B	32-35	Columns not used; leave blank.															
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td></td> <td>4</td> <td>Autocall is installed.</td> </tr> <tr> <td></td> <td>2</td> <td>Communication line is a switched line.</td> </tr> <tr> <td>37</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.		4	Autocall is installed.		2	Communication line is a switched line.	37		Nothing defined; leave column blank.
CARD COLUMN	HEX ENTRY																
36	8	Two-processor/channel switch is installed.															
	4	Autocall is installed.															
	2	Communication line is a switched line.															
37		Nothing defined; leave column blank.															
D-10	38-45	Columns not used; leave blank.															
11-13	46-51	Enter F00000 for this device. (RPQ OLT section run mask)															
14-1D	52-71	Columns not used; leave blank.															
	72	Enter an asterisk (*) for continuation on next card.															

>> 858297 AND 858298 RPQS FOR 2701 IBM ADAPTER (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter either F8F5F8F2F9F7 for RPQ 858297 or F8F5F8F2F9F8 for RPQ 858298.
	32	Enter a slash (/) to indicate end of CDS entry.

>> 858492 RPQ FOR 2701 IBM TYPE I (FIRST OF TWO CDS CARDS)

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE									
0-3	10-17	Device address right justified. Leading zeros can be omitted.									
4	18-19	Model code. Enter as applicable; hex values with an asterisk (*) are mandatory: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined, leave column blank.</td> </tr> <tr> <td>19</td> <td>*1</td> <td>RPQ indicator (CDS contains RPQ information).</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined, leave column blank.	19	*1	RPQ indicator (CDS contains RPQ information).
CARD COLUMN	HEX ENTRY										
18		Nothing defined, leave column blank.									
19	*1	RPQ indicator (CDS contains RPQ information).									
5	20-21	Feature code. Enter 01 to specify that the adapter is IBM Type I..									
6-7	22-25	Class and type for 2701 TCU; enter: 4001.									
8	26-29	Columns not used; leave blank.									
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.
CARD COLUMN	HEX ENTRY										
30	4	Device shared with another system.									
31	4	This device or its control unit has two-channel switch installed.									

CDS CONTINUED ON NEXT PAGE

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED					
A-B	32-35	Nothing defined, leave columns blank.					
C	36-37	Transmission control unit features. Enter as applicable:					
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>36</td> <td>4</td> </tr> <tr> <td>37</td> <td></td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY	36	4	37
CARD COLUMN	HEX ENTRY						
36	4						
37							
D-10	38-45	Nothing defined, leave columns blank.					
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. Enter as applicable; hex values with an asterisk (*) are mandatory.					
		<table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> </tr> </thead> <tbody> <tr> <td>46</td> <td>*8</td> </tr> <tr> <td>47-51</td> <td></td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY	46	*8	47-51
CARD COLUMN	HEX ENTRY						
46	*8						
47-51							
14-1D	52-71	Nothing defined, leaves columns blank.					
	72	Enter an asterisk (*) for continuation on next card.					

>> 858492 RPQ FOR 2701 IBM TYPE I (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD COLUMN	1	1	2	2	3	3	4	4	5	5	6	6	7
ENTRY	0	1	2	3	4	5	6	7	8	9	0	1	2
	F8F5F8F4F9F2/												

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED	
	1-15	Leave columns 1-15 of continuation card blank.	
1E-1F	16-19	Columns not used; leave blank.	
20-25	20-31	Hardware RPQ number (six digits). Enter F8F5F8F4F9F2 in columns for RPQ 858492.	
	32	Enter a slash (/) to indicate end of CDS entry.	

>> 880701 RPQ FOR 2701 1627 PLOTTER ADAPTER (FIRST OF TWO CDS CARDS)

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY	0B4001						F00000						*

CDS CORE BYTE	CARD COLUMN	LOCAL CDS FILE															
0-3	10-17	Device address right justified. Leading zeros can be omitted.															
4	18-19	Model code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td>Nothing defined; leave column blank.</td> </tr> <tr> <td>19</td> <td>4</td> <td>Write only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>2</td> <td>Read only line (Refer to RPQ OLT writeup for RPQ features).</td> </tr> <tr> <td></td> <td>1</td> <td>RPQ indicator (CDS contains RPQ information)</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		18		Nothing defined; leave column blank.	19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).		2	Read only line (Refer to RPQ OLT writeup for RPQ features).		1	RPQ indicator (CDS contains RPQ information)
CARD COLUMN	HEX ENTRY																
18		Nothing defined; leave column blank.															
19	4	Write only line (Refer to RPQ OLT writeup for RPQ features).															
	2	Read only line (Refer to RPQ OLT writeup for RPQ features).															
	1	RPQ indicator (CDS contains RPQ information)															
5	20-21	Feature code. Enter 0B to specify the adapter as an RPQ adapter.															
6-7	22-25	Class and type code for 2701 TCU; enter: 4001.															
8	26-29	Columns not used; leave blank.															
9	30-31	Flags code. Enter as applicable; otherwise, leave column(s) blank: <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>4</td> <td>Device shared with another system.</td> </tr> <tr> <td>31</td> <td>4</td> <td>This device or its control unit has two-channel switch installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		30	4	Device shared with another system.	31	4	This device or its control unit has two-channel switch installed.						
CARD COLUMN	HEX ENTRY																
30	4	Device shared with another system.															
31	4	This device or its control unit has two-channel switch installed.															
A-B	32-35	Columns not used; leave blank.															
C	36-37	Transmission control unit features. Enter as applicable; otherwise, leave column(s) blank. <table border="1"> <thead> <tr> <th>CARD COLUMN</th> <th>HEX ENTRY</th> <th></th> </tr> </thead> <tbody> <tr> <td>36</td> <td>8</td> <td>Two-processor/channel switch is installed.</td> </tr> <tr> <td>37</td> <td>8</td> <td>Timeout feature is installed.</td> </tr> </tbody> </table>	CARD COLUMN	HEX ENTRY		36	8	Two-processor/channel switch is installed.	37	8	Timeout feature is installed.						
CARD COLUMN	HEX ENTRY																
36	8	Two-processor/channel switch is installed.															
37	8	Timeout feature is installed.															
D-10	38-45	Columns not used; leave blank.															
11-13	46-51	RPQ OLT section run mask. Refer to RPQ OLT writeup for details. Enter F00000 for this device.															
14-1D	52-71	Columns not used; leave blank.															
	72	Enter an asterisk (*) for continuation on next card.															

D99-CDSGA-20

>> 880701 RPQ FOR 2701 1627 PLOTTER ADAPTER (SECOND OF TWO CDS CARDS)

Refer to Section 6 for procedure for handling multiple RPQs.

CARD	1	1	2	2	3	3	4	4	5	5	6	6	7
COLUMN	0	1	2	3	4	5	6	7	8	9	0	1	2
ENTRY			F	8	F	8	F	0	F	7	F	0	F

CDS CORE BYTE	CARD COLUMN	CDS FILE CONTINUED
	1-15	Leave columns 1-15 of continuation card blank.
1E-1F	16-19	Columns not used; leave blank.
20-25	20-31	Hardware RPQ number (six digits). Enter F8F8F0F7F0F1 in columns for RPQ 880701.
	32	Enter a slash (/) to indicate end of CDS entry.

