



Software Product Description

PRODUCT NAME: CTS 300 DICAM II, Version 1

SPD 10.54.0

DESCRIPTION:

CTS 300 DICAM II (Datasytem Interactive Communications Access Method) is a communications option that executes under the CTS 300 operating system. It permits a user-written DIBOL application program executing on a Datasytem 350 to communicate with a user-written application program executing on an IBM/360 or 370 system running CICS. With the 360/370, DICAM II uses the same interactive communications facilities as a 3271 remote keyboard display controller. DICAM II does not interpret or execute any 3271 commands. All commands are passed directly to the addressed DIBOL program for interpretation and response at the user application level.

To the 360/370 application program, each display or printer which is normally on the 3271 controller is a DIBOL application program or programs in the Datasytem. In the Datasytem, the DIBOL application program or programs communicate with the 360/370 via DICAM II in the same manner they would with any other peripheral device on the Datasytem.

DICAM II permits full use of the Datasytem 350 commercial data processing capabilities. The DIBOL application program presents information to DICAM for transmission to the 360/370 system. DICAM receives data from the 360/370 system and presents it to the DIBOL application program. The information transmitted between the two systems is limited to the EBCDIC alphanumeric and 3271 control codes. DICAM II can operate on a communications line with other types of terminals that can transmit and receive in transparent mode.

DICAM II relieves the DIBOL application program of message format and error control considerations. DICAM II handles data errors between the Datasytem and the 360/370 automatically. If the communications link to the 360/370 is not operating or is operating poorly, DICAM II notifies the DIBOL program and the program can treat the link as a malfunctioning peripheral.

DICAM II will operate on communications links at speeds up to 9600 baud. The throughput of DICAM II is a function of response from the 360/370 host system and the rate at which the DIBOL application program can process data. Assuming immediate response from both the host and the applications program, DICAM II will use less than 50 percent of the Datasytem's available processing time when actively transmitting or receiving data at 4800 baud. On multi-

drop lines when DICAM II is not transmitting or receiving, DICAM II will use less than 10 percent of available processing time.

Summary characteristics of DICAM II Version 1 are:

- supports private or leased full- or half-duplex communications facilities
- operates in multidrop line configurations
- uses BISYNC protocol (non-contention only)
- transmits and receives EBCDIC coded data over communication line
- supports up to eight logical data paths
- Memory managed D350 system support

MINIMUM HARDWARE REQUIRED:

- D352, D354 or D356 system (includes CTS-300)
- DS3CE DICAM II communications package
- At least 8K bytes of memory available for DICAM II and at least 500 bytes of memory available for one buffer
- A master host 360/370 configuration which must include a 2701 data adapter, a 2703 transmission control unit, a 3704 or 3705 transmission controller, or a system 370 model 135 integrated communications adapter

OPTIONAL HARDWARE:

KG11-A communications arithmetic option

PREREQUISITE SOFTWARE:

- CTS 300, Version 4 (included with all Datasytem 350 systems)
- The IBM 360/370 host system must be running CICS using an access method that supports 3271

OPTIONAL SOFTWARE:

DICAM II T

Users of DICAM II who wish to send and receive data in the standard BISYN transparent-text mode can do so by ordering DICAM II T. DICAM II is a prerequisite. DICAM II T is discussed in a separate SPD.

TRAINING CREDITS:

None

SUPPORT CATEGORY:

A — Software Support will be provided as stated in the Software Support Categories Addendum to this SPD.

CUSTOMER RESPONSIBILITIES:

Before installation of the Software, the Customer must:

1. Obtain, install, and demonstrate operational to DIGITAL's satisfaction any modems and other equipment and facilities necessary to interface to DIGITAL's communications line interfaces and terminals.
2. Install or have installed all hardware, including terminals, to be used on the system.
3. Generate any and all IBM systems that will be communicating with DICAM to DIGITAL's satisfaction.
4. Make available to DIGITAL personnel all hardware, including communications facilities and terminals, to be used during installation and acceptance testing for a reasonable period of time each day, as mutually agreed upon by DIGITAL and customer, until acceptance criteria are satisfied.
5. Provide access privileges and machine time on any and all IBM systems on which the installation is to be performed.
6. Provide an IBM application program to provide proper response to the test program defined in DICAM II V1 documentation.
7. If necessary, edit the DICAM II V1 test program (PDP-11 based) to include the correct message to be sent to the IBM system (or supply DIGITAL personnel with this message).

Delays caused by any failure to meet these responsibilities will be charged at the then prevailing rate for time and materials.

UPDATE POLICY:

Software Updates, if any, released by DIGITAL during the one (1) year period following installation, will be provided to the customer for a media charge (includes no installation). After the first year, updates, if any, will be made available according to then prevailing DIGITAL policies.

ORDERING INFORMATION:

All binary licensed software, including any subsequent updates, is furnished under the licensing provisions of DIGITAL's Standard Terms and Conditions of Sale, which provide in part that the software and any part thereof may be used on only the single CPU on which the software is first installed, and may be copied, in whole or in part (with the proper inclusion of the DIGITAL copyright notice and any DIGITAL proprietary notices on the software) only for use on such CPU. All source licensed software is furnished only under the terms and conditions of a separate Software Program Sources Agreement between Purchaser and DIGITAL.

A single-use license only option is a license to copy the software previously obtained under license, and use such software in accordance with DIGITAL's Standard Terms and Conditions of Sale. The category of support applicable to such copied software is Category C.

The following key (E, T, Y, Z) represents the distribution media for the product and must be specified at the end of the order number, e.g., DS3CE-AE = binaries on RK disk.

- E = RK05 Disk Cartridge
- T = RK06 Disk Cartridge
- Y = RX01 Floppy Diskette
- Z = No hardware dependency

Standard Options

DS3CE -A— DUP11 line unit for Datasystem 350 series systems, DICAM II V1 single-use license, binaries, documentation, support services (media: E, T, Y)

DS3CE -D— DUP11 line unit for Datasystem 350 series systems, DICAM II V1 single-use license only, no binaries, no documentation, no support services (media: Z)

Upgrade Options

The following option is available as an upgrade kit from CTS 300 DICAM, Version 1, for use on the same single CPU on which CTS 300 DICAM, Version 1, is licensed. The license previously granted for CTS 300 DICAM, Version 1, shall be extended to cover this upgrade.

QJ358 -A— Single-use license, binaries, documentation, support services (media: E, T, Y)

ADDITIONAL SERVICES:

None

-3-

ADDENDUM
SOFTWARE SUPPORT CATEGORIES

Each software product (hereinafter 'SOFTWARE') with a designated Support Category A or B in the applicable Software Product Description (SPD) existing at the time of order will be the current release at the time of delivery and will conform to the SPD. DIGITAL's sole obligation shall be to correct defects (nonconformance of the SOFTWARE to the SPD) as described below. Any SOFTWARE with a designated Support Category C will be furnished on an 'as is' basis.

For SOFTWARE with a designated Support Category A or B, DIGITAL will provide the services set forth below without additional charge.

CATEGORY A

1. Upon notification by customer to the nearest DIGITAL office that the computer system, including all required prerequisite hardware and software, is ready for the installation of the SOFTWARE, DIGITAL will install such SOFTWARE in any location within the contiguous forty-eight (48) United States, the District of Columbia, or a country in which DIGITAL or a subsidiary of DIGITAL has a software service facility. The notification must be received by DIGITAL and the system must be ready for installation within thirty (30) days after the delivery of the SOFTWARE to customer or DIGITAL will have no obligation to install. Installation will consist of: (1) verification that all components of the SOFTWARE have been received by customer, (2) loading the SOFTWARE, and (3) executing a DIGITAL sample procedure.
2. During the ninety (90) day period after installation, if the customer encounters a problem with the current unaltered release of the SOFTWARE which DIGITAL determines to be a defect in the SOFTWARE, DIGITAL will provide the following remedial service (on site where necessary): (1) if the SOFTWARE is inoperable, apply a temporary correction (TC) or make a reasonable attempt to develop an emergency by-pass, and (2) assist the customer to prepare a Software Performance Report (SPR) and submit it to DIGITAL.
3. During the one (1) year period following installation, if the customer encounters a problem with the SOFTWARE which his diagnosis indicates is caused by a SOFTWARE defect, the customer may submit an SPR to DIGITAL. DIGITAL will respond to problems reported in SPRs which are caused by defects in the current unaltered release of the SOFTWARE via the Maintenance Periodical for the SOFTWARE, which reports SPRs received, code corrections, temporary corrections, generally useful emergency by-passes and/or notice of the availability of corrected code. Software Updates, if any, released by DIGITAL during the one (1) year period, will be provided to the customer on DIGITAL's standard distribution media as specified in the applicable SPD. The customer will be charged only for the media on which such updates are provided, unless otherwise stated in the applicable SPD, at DIGITAL's then current media prices.

CATEGORY B

During the one (1) year period following delivery, the services provided to the customer will be the same as set forth in 3 above.

CATEGORY C

SOFTWARE is provided on an 'as is' basis. Any software services, if available, will be provided at the then current charges.

DIGITAL shall have the right to make additional charges for any additional effort required to provide services resulting from customer use of other than current unaltered release of the SOFTWARE operated in accordance with the SPD.