



CSTA Services Interface

Version 1.0

Product Description

Dialogic's CSTA Services Interface is a software toolkit that helps you implement a CSTA Phase II interface for your switching system. CSTA Phase II is the ECMA international standard for CTI interfaces.

The CSTA Services Interface kit provides the basic components for you to build your CSTA Phase II interface:

- Functional software
- Example application source code

The CSTA message stream generated by your completed interface can communicate with a CTI server that supports the CSTA Phase II protocol (such as Dialogic's CT-Connect™ Version 2.0).

In turn, the CTI server presents an application programming interface (API) to external CSTA-conformant applications.

By these means, you make your switching system's facilities available to applications that use the CSTA capabilities.

Functional Software

The functional software in the kit automatically performs these tasks:

- Initialisation and management of the links with the CSTA environment.
- Encoding and decoding of the CSTA-compliant ASN.1 message flow to and from the CSTA environment.
- Processing and simplification of the CSTA messages to ease their handling by your application.

Example Source Code

The example source code in the kit provides building blocks for you to write the application software that performs these tasks:

- Processing of CSTA Services Interface telephony function calls that represent requests arriving from the CSTA environment.
- Instructing your switching system to perform the telephony actions requested.
- Receiving request responses and event notifications from your switching system.
- Generating the request responses and event notifications required by the CSTA protocol and passing them to the CSTA Services Interface for ASN.1 encoding and transmission.

The example C files in the kit contain:

- A sample main program, showing a typical application initialisation sequence.
- Outline functions (referred to as **stub functions**), one for each supported CSTA request.
- Function prototypes, one for each supported CSTA response and event.

The kit also contains:

- Header and type definition files.
- Microsoft® Visual C++® project and workspace definitions.
- A run-time library.

To find out more about the contents of the kit and how to set about writing your application, refer to the *CSTA Services Interface Programming Guide*, which is supplied with the CSTA Services Interface.

Applicable Switching Systems

The CSTA services and interface protocol are applicable to a broad range of switching systems, for example:

- Traditional telephone systems
- Open switching systems
- Public network switching systems
- H.323 packet voice services

Supported CSTA Features

The *CSTA Services Interface Programming Guide* describes the CSTA features that are supported by the CSTA Services Interface.

Platform Requirements

The following sections describe the hardware and software requirements for installing the CSTA Services Interface.

Hardware

- An Intel® Pentium®-based machine, or equivalent, suitable for installing Windows NT™
- At least 24 Mbytes memory
- At least 10 Mbytes free disk space
- A CD-ROM drive
- A compatible network adapter card. For details, refer to the *Windows NT Hardware Compatibility Handbook*.

Software

- Windows NT Workstation or Windows NT Server Version 4.0
- CTI server that supports CSTA Phase II (for example, Version 2.0 of Dialogic's CT-Connect Server software)

Other Requirements

The minimum hardware/software requirements specified are for installing and running the CSTA Services Interface. If you require the same Windows NT system to run additional software, you may need extra resources (for example, more memory).

Documentation

Dialogic's CSTA Services Interface documentation set includes:

- *CSTA Services Interface Installation Letter*
- *CSTA Services Interface Programming Guide*

A documentation set is provided with each CSTA Services Interface kit. In addition, the kit CD-ROM contains PDF format copies of the documentation for reading with Adobe® Acrobat®.

Product Specifications

From time to time, product specifications and configuration requirements may change. For the latest information, refer to the Dialogic web site at:

<http://www.dialogic.com>

Software License

The CSTA Services Interface software license can be ordered using this part number: **99-1431-001**.

The license includes:

- CSTA Services Interface software for installation on one system
- Five days application development consultancy

Terms and Conditions

The CSTA Services Interface is furnished under the licensing provisions of Dialogic's Standard Terms and Conditions. For more information about Dialogic's licensing terms and policies, contact your local Dialogic office.

Other Information

For a pricing guide, additional support, or for further information, contact your local Dialogic office, as detailed on the Dialogic web site:

<http://www.dialogic.com/support/sales.htm>