

Standard ECMA-179

Services for Computer Supported Telecommunications Applications (CSTA) - Phase I

(June 1992)

This ECMA Standard has been developed by [ECMA/TC32-TG11](#).

This Standard defines Services and Event Reports for the area of Computer-Supported Telecommunications Applications (CSTA).

Thus it is focused on the provision of an application service interface between a Switching Function and a Computing Function. The CSTA application interface is intended to be disassociated from the various user-network interfaces or network-network interfaces CSTA applications may serve, observe or manipulate. Because CSTA operates with existing telecommunications interfaces indirectly, it can and does operate generically, so that the differences between various existing interfaces are hidden from CSTA applications. Support of user-to-network interfaces is outside the scope of CSTA.

The individual Services needed to support CSTA applications are enabled via an OSI Application Layer Protocol supporting a peer-to-peer relationship between computing and telecommunications networks. This protocol is defined in Standard [ECMA-180](#). Each instance of any Service, and every instance of some types of Services are defined as client-server relationships.

CSTA Services allow functional integration between a computing network and a telecommunications network. However, the computing platforms that support these functionally integrated applications, or their Application Programming Interfaces (APIs), are outside the scope of this Standard.

Communication between the computing and switching networks may take place via intervening networks which range from a simple point-to-point connection to a local or wide area communications network.

It is possible for ISDN based networks, e.g. Private Telecommunications Networks (PTNs), to provide support for CSTA applications, however there are limitations in both this Standard and current ISDN standards that limit the extent of this support. Thus, based upon current standards there can be limitations on the use of PTNs for CSTA users.

Further information on the [CSTA](#) topic is also available.

The following files are provided in this CD-ROM:

File name	Size (Bytes)	Content
ECMA-179.DOC	422'400	MS Word file
ECMA-179.PDF	414'641	Corresponding Acrobat PDF file
ECMA-179.PSC	2'694'770	Corresponding PostScript file

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