



5005 TAPI Interface Specification

32-Bit TSP Supporting TAPI v2.2

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1 Overview

The Algo 5005 CTI Module connects to a Nortel Meridian Business System/Meridian Digital Centrex (MBS/MDC) phone line to provide call status and line control. Connecting to a PC via DB9 serial connection, the 5005 interfaces with an Algo's Telephone Service Provider (TSP) driver to provide TAPI services via Microsoft's TAPI Interface.

The hardware monitors the signaling information on the MBS/MDC phone line and sends it to the PC to provide monitoring of a single Key (programmed by the PC) on its light. Additionally, signals to place on the MBS/MDC phone line can be sent to the CTI Module hardware, which will inject them into the line. The CTI Module hardware will also provide call progress monitoring.

The 32-bit TSP supporting TAPI 2.2 is for use on Windows NT, 2000, and XP. It provides "line" functions at a POTS+ level. It supports calling, transfer, 3-way, device state ringing and MWI, call progress, and caller ID.

Note: TAPI version 2 supports applications written for TAPI version 1. However, TAPI version 2 will not support TSPs written for TAPI version 1. Thus, TSPs that work on Windows 3.1 and 95 will not work on Windows NT and 98. Windows 95 can be upgraded to work with 2.1 TSPs, but then they will not support 1.3 & 1.4 TSPs. TAPI 3.0 is being introduced, but that is to provide IP Internet Telephony. No changes are needed from the 2.1 TSPs to be compatible.

1.1 Supported TAPI Functions

TSPI_lineAddToConference - supported - conferencing is limited to 3-way

TSPI_lineAnswer - supported.

TSPI_lineBlindTransfer – supported

TSPI_lineClose - supported.

TSPI_lineCloseCall - supported.

TSPI_lineCompleteTransfer – supported

TSPI_lineConditionalMediaDetection - supported - unknown only

TSPI_lineDial - supported - do not support A-D,p,?,\$,W,@ dial characters at this time

TSPI_lineDrop - supported

TSPI_lineGenerateDigits - supported, assumes key pad will generate the DTMF

TSPI_lineGetAddressCaps – supported

TSPI_lineGetAddressID – supported

TSPI_lineGetAddressStatus – supported

TSPI_lineGetCallAddressID – supported

TSPI_lineGetCallInfo – supported

TSPI_lineGetCallStatus – supported

TSPI_lineGetDevCaps – supported

TSPI_lineGetDevConfig – supported

TSPI_lineGetIcon - supported - uses the present TREX Icon

TSPI_lineGetID- supported

TSPI_lineGetLineDevStatus- supported

TSPI_lineGetNumAddressIDs- supported

TSPI_lineHold – supported

TSPI_lineMakeCall – supported

TSPI_lineNegotiateExtVersion – supported

TSPI_lineNegotiateTSPVersion – supported

TSPI_lineOpen- supported

TSPI_lineRemoveFromConference - supported - 3-way only

TSPI_lineSetAppSpecific – supported

TSPI_lineSetDefaultMediaDetection – supported

TSPI_lineSetMediaMode – supported

TSPI_lineSetStatusMessages – supported

TSPI_lineSetupConference - supported - 3-way only

TSPI_lineSetupTransfer – supported

TSPI_lineSwapHold – supported

TSPI_lineUnhold – supported

TSPI_providerConfig – supported

TSPI_providerGenericDialogData – supported

TSPI_providerInit – supported

TSPI_providerInstall – supported

TSPI_providerRemove – supported

TSPI_providerShutdown – supported

TSPI_providerEnumDevices – supported

TSPI_providerUIIdentify – supported

32 bit TSP specific:

TUISPI_lineConfigDialog - supported

TUISPI_providerConfig - supported

TUISPI_providerInstall – supported & TUISPI_providerRemove - supported

1.2 Unsupported TAPI Functions

TSPI_lineAccept - not supported. ISDN type function

TSPI_lineCompleteCall - not supported - possible future support based on user features.

TSPI_lineConfigDialog – not supported

TSPI_lineDevSpecific - not supported

TSPI_lineDevSpecificFeature - not supported

TSPI_lineForward - not supported

TSPI_lineGatherDigits - not supported

TSPI_lineGenerateTone - not supported

TSPI_lineGetExtensionID - not supported

TSPI_lineMonitorDigits - not supported

TSPI_lineMonitorMedia - not supported

TSPI_lineMonitorTones - not supported

TSPI_linePark - not supported - possible future

TSPI_linePickup - not supported - possible future

TSPI_linePrepareAddToConference - not supported

TSPI_lineRedirect - not supported

TSPI_lineSecureCall - not supported - possible future

TSPI_lineSelectExtVersion - not supported

TSPI_lineSendUserUserInfo - not supported

TSPI_lineSetCallParams - not supported

TSPI_lineSetDevConfig - not supported

TSPI_lineSetMediaControl - not supported

TSPI_lineSetTerminal - not supported

TSPI_lineUncompleteCall - not supported

TSPI_lineUnpark - not supported