

TAPI Quick Reference

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Line Initialization and Shutdown

<u>lineInitializeEx</u>	Initializes the TAPI line abstraction for use by the invoking application. Synchronous.
<u>lineShutdown</u>	Shuts down the application's use of TAPI's line abstraction. Synchronous.
<u>lineNegotiateAPIVersion</u>	Allows an application to negotiate a TAPI version to use. Synchronous.

Line Status and Capabilities

<u>lineGetDevCaps</u>	Returns the capabilities of a given line device. Synchronous.
<u>lineGetDevConfig</u>	Returns configuration of a media stream device. Synchronous.
<u>lineGetLineDevStatus</u>	Returns current status of the specified open line device. Synchronous.
<u>lineSetDevConfig</u>	Sets the configuration of the specified media stream device. Synchronous.
<u>lineSetStatusMessages</u>	Specifies the status changes for which the application needs to be notified. Synchronous.
<u>lineGetStatusMessages</u>	Returns the application's current line and address status message settings. Synchronous.
<u>lineGetID</u>	Retrieves a device ID associated with the specified open line, address, or call. Synchronous.
<u>lineGetIcon</u>	Allows an application to retrieve an icon for display to the user. Synchronous.
<u>lineConfigDialog</u>	Causes the provider of the specified line device to display a dialog box that allows the user to configure parameters related to the line device. Synchronous.
<u>lineConfigDialogEdit</u>	Displays a dialog box allowing the user to change configuration information for a line device. Synchronous. Version 0x00010004.

Addresses

<u>lineGetAddressCaps</u>	Returns the telephony capabilities of an address. Synchronous.
<u>lineGetAddressStatus</u>	Returns current status of a specified address. Synchronous.
<u>lineGetAddressID</u>	Retrieves the address ID of an address specified using an alternate format. Synchronous.

Opening and Closing Line Devices

<u>lineOpen</u>	Opens a specified line device for providing subsequent monitoring and/or control of the line. Synchronous.
<u>lineClose</u>	Closes a specified opened line device. Synchronous.

Address Formats

<u>lineTranslateAddress</u>	Translates between an address in canonical format and an address in dialable format. Synchronous.
<u>lineSetCurrentLocation</u>	Sets the location used as the context for address translation. Synchronous.
<u>lineSetTollList</u>	Manipulates the toll list. Synchronous.
<u>lineGetTranslationCaps</u>	Returns address translation capabilities. Synchronous.

Call States and Events

<u>lineGetCallInfo</u>	Returns fixed information about a call. Synchronous.
<u>lineGetCallStatus</u>	Returns complete call status information for the specified call. Synchronous.
<u>lineSetAppSpecific</u>	Sets the application-specific field of a call's information structure. Synchronous.

Making Calls

<u>lineMakeCall</u>	Makes an outbound call and returns a call handle for it. Asynchronous.
<u>lineDial</u>	Dials (parts of one or more) dialable addresses. Asynchronous.

Answering Incoming Calls

<u>lineAnswer</u>	Answers an incoming call. Asynchronous.
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Toll Saver Support

<u>lineSetNumRings</u>	Indicates the number of rings after which incoming calls are to be answered. Synchronous.
<u>lineGetNumRings</u>	Returns the minimum number of rings requested with <u>lineSetNumRings</u> . Synchronous.

Call Privilege Control

<u>lineSetCallPrivilege</u>	Sets the application's privilege to the privilege specified. Synchronous.
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Call Drop Functions

<u>lineDrop</u>	Disconnects a call, or abandons a call attempt in progress. Asynchronous.
<u>lineDeallocateCall</u>	Deallocates the specified call handle. Synchronous.

Call Handle Manipulation

<u>lineHandoff</u>	Hands off call ownership and/or changes an application's privileges to a call. Synchronous.
<u>lineGetNewCalls</u>	Returns call handles to calls on a specified line or address for which the application does not yet have handles. Synchronous.
<u>lineGetConfRelatedCalls</u>	Returns a list of call handles that are part of the same conference call as the call specified as a parameter. Synchronous.

Location and Country Information

<u>lineTranslateDialog</u>	Displays a dialog box allowing the user to change location and calling card
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<u>lineGetCountry</u>	Retrieves dialing rules and other information about a given country. Synchronous. Version 0x00010004.
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Request Recipient Services

<u>lineRegisterRequestRecipient</u>	Registers or deregisters the application as a request recipient for the specified request mode. Synchronous.
<u>lineGetRequest</u>	Gets the next request from the Telephony dynamic link library. Synchronous.

Bearer Mode and Rate

<u>lineSetCallParameters</u>	Requests a change in the call parameters of an existing call. Synchronous.
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Media Monitoring

<u>lineMonitorMedia</u>	Enables or disables media mode notification on a specified call. Synchronous.
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Digit Monitoring and Gathering

<u>lineMonitorDigits</u>	Enables or disables digit detection notification on a specified call. Synchronous.
<u>lineGatherDigits</u>	Performs the buffered gathering of digits on a call. Synchronous.

Tone Monitoring

<u>lineMonitorTones</u>	Specifies which tones to detect on a specified call. Synchronous.
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Media Control

<u>lineSetMediaControl</u>	Sets up a call's media stream for media control. Synchronous.
<u>lineSetMediaMode</u>	Sets the media mode(s) of the specified call in its <u>LINECALLINFO</u> structure. Synchronous.

Generating Inband Digits and Tones

<u>lineGenerateDigits</u>	Generates inband digits on a call. Synchronous.
<u>lineGenerateTones</u>	Generates a given set of tones inband on a call. Synchronous.

Call Accept and Redirect

<u>lineAccept</u>	Accepts an offered call and starts alerting both caller (ringback) and called party (ring). Asynchronous.
<u>lineRedirect</u>	Redirects an offering call to another address. Asynchronous.

Call Reject

<u>lineDrop</u>	Disconnects a call, or abandons a call attempt in progress. Asynchronous.
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Call Hold

<u>lineHold</u>	Places the specified call on hard hold.
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lineUnhold	Asynchronous. Retrieves a held call. Asynchronous.
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Making Calls

lineSecureCall	Secures an existing call from interference by other events such as call-waiting beeps on data connections. Asynchronous.
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Call Transfer

lineSetupTransfer	Prepares a specified call for transfer to another address. Asynchronous.
lineCompleteTransfer	Transfers a call that was set up for transfer to another call, or enters a three-way conference. Asynchronous.
lineBlindTransfer	Transfers a call to another party. Asynchronous.
lineSwapHold	Swaps the active call with the call currently on consultation hold. Asynchronous.

Call Conference

lineSetupConference	Prepares a given call for the addition of another party. Asynchronous.
linePrepareAddToConference	Prepares to add a party to an existing conference call by placing the conference call in a hold state and creating a consultation call that can be added later to the conference call. Asynchronous.
lineAddToConference	Adds a consultation call to an existing conference call. Asynchronous.
lineRemoveFromConference	Removes a party from a conference call. Asynchronous.

Call Park

linePark	Parks a given call at another address. Asynchronous.
lineUnpark	Retrieves a parked call. Asynchronous.

Call Forwarding

lineForward	Sets or cancels call forwarding requests. Asynchronous.
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Call Pickup

linePickup	Picks up a call alerting at a specified destination address and returns a call handle for the picked-up call (linePickup can also be used for call waiting). Asynchronous.
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Sending Information to Remote Party

lineReleaseUserInfo	Releases user-user information, permitting the system to overwrite this storage with new information. Asynchronous. Version 0x00010004.
lineSendUserInfo	Sends user-user information to the remote party on the specified call. Asynchronous.

Call Completion

lineCompleteCall	Places a call completion request. Asynchronous.
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lineUncompleteCall	Cancels a call completion request. Asynchronous.
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Setting a Terminal for Phone Conversations

lineSetTerminal	Specifies the terminal device to which the specified line, address events, or call media stream events are routed. Asynchronous.
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Application Priority

lineGetAppPriority	Retrieves handoff and/or Assisted Telephony priority information for an application. Synchronous. Version 0x00010004.
lineSetAppPriority	Sets the handoff and/or Assisted Telephony priority for an application. Synchronous. Version 0x00010004.

Service Provider Management

lineAddProvider	Installs a telephony service provider. Synchronous. Version 0x00010004.
lineConfigProvider	Displays configuration dialog box of a service provider. Synchronous. Version 0x00010004.
lineRemoveProvider	Removes an existing telephony service provider. Synchronous. Version 0x00010004.
lineGetProviderList	Retrieves a list of installed service providers. Synchronous. Version 0x00010004.

Agents

lineAgentSpecific	Allows the application to access proprietary handler-specific functions of the agent handler associated with the address. Asynchronous. Version 0x00020000.
lineGetAgentActivityList	Obtains the list of activities from which an application selects the functions an agent is performing. Asynchronous. Version 0x00020000.
lineGetAgentCapabilities	Obtains the agent-related capabilities supported on the specified line device. Asynchronous. Version 0x00020000.
lineGetAgentGroupList	Obtains the list of agent groups into which an agent can log into on the automatic call distributor. Asynchronous. Version 0x00020000.
lineGetAgentStatus	Obtains the agent-related status on the specified address. Asynchronous. Version 0x00020000.
lineSetAgentActivity	Sets the agent activity code associated with a particular address. Asynchronous. Version 0x00020000.
lineSetAgentGroup	Sets the agent groups that the agent is logged into on a particular address. Asynchronous. Version 0x00020000.
lineSetAgentState	Sets the agent state associated with a particular address. Asynchronous. Version 0x00020000.

Proxies

lineProxyMessage	Used by a registered proxy request handler to generate TAPI messages. Synchronous. Version 0x00020000.
lineProxyResponse	Indicates completion of a proxy request by a registered proxy handler. Synchronous. Version 0x00020000.

Quality of Service

lineSetQualityOfService	Requests a change of the quality of service parameters for an existing call. Asynchronous. Version 0x00020000.
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Miscellaneous

lineSetCallData	Sets the CallData member of the LINECALLINFO structure. Asynchronous. Version 0x00020000.
lineSetCallTreatment	Sets the sounds that the user hears when a call is unanswered or on hold. Asynchronous. Version 0x00020000.
lineSetLineDevStatus	

Phone Initialization and Shutdown

phoneInitializeEx	Initializes TAPI phone abstraction for use by the invoking application. Synchronous.
phoneShutdown	Shuts down an application's use of TAPI's phone abstraction. Synchronous.

Phone Version Negotiation

phoneNegotiateAPIVersion	Allows an application to negotiate a TAPI version to use. Synchronous.
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Opening and Closing Phone Devices

phoneOpen	Opens the specified phone device, giving the application either owner or monitor privileges. Synchronous.
phoneClose	Closes a specified open phone device. Synchronous.

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phoneOpen	Opens the specified phone device, giving the application either owner or monitor privileges. Synchronous.
phoneClose	Closes a specified open phone device. Synchronous.

Phone Status and Capabilities

phoneGetDeviceCapabilities	Returns the capabilities of a given phone device. Synchronous.
phoneGetID	Returns a device ID for the given device class associated with the specified phone device. Synchronous.
phoneGetIcon	Allows an application to retrieve an icon for display to the user. Synchronous.
phoneConfigDialog	Causes the provider of the specified phone device to display a dialog box that allows the user to configure parameters related to the phone device. Synchronous.

Hookswitch Devices

phoneSetHookSwitch	Sets the hook state of an open phone's hookswitch devices to a specified mode. Asynchronous.
phoneGetHookSwitch	Queries the hookswitch mode of a hookswitch device of an open phone device. Synchronous.
phoneSetVolume	Sets the volume of a hookswitch device's speaker of an open phone device. Asynchronous.
phoneGetVolume	Returns the volume setting of a hookswitch device's speaker of an open phone device. Synchronous.
phoneSetGain	Sets the gain of a hookswitch device's mic of an open phone device. Asynchronous.
phoneGetGain	Returns the gain setting of a hookswitch device's mic of an open phone. Synchronous.

Display

phoneSetDisplay	Writes information to the display of an open phone device. Asynchronous.
phoneGetDisplay	Returns the current contents of a phone's display. Synchronous.

Ring

phoneSetRing	Rings an open phone device according to a given ring mode. Asynchronous.
phoneGetRing	Returns the current ring mode of an opened phone device. Synchronous.

Buttons

phoneSetButtonInfo	Sets the information associated with a button on a phone device. Asynchronous.
phoneGetButtonInfo	Returns information associated with a button on a phone device. Synchronous.

Lamps

phoneSetLamp	Lights a lamp on a specified open phone device in a given lamp lighting mode. Asynchronous.
phoneGetLamp	Returns the current lamp mode of the specified lamp. Synchronous.

Data Areas

phoneSetData	Downloads a buffer of data to a given data area in the phone device. Asynchronous.
phoneGetData	Uploads the contents of a given data area in the phone device to a buffer. Synchronous.

Status

phoneSetStatusMessages	Specifies the status changes for which the application wants to be notified. Synchronous.
phoneGetStatusMessages	Returns the status changes for which the application wants to be notified. Synchronous.
phoneGetStatus	Returns the complete status of an open

phone device. Synchronous.

Extended Telephony Functions for Line Devices

lineNegotiateExtVersion	Allows an application to negotiate an extension version to use with the specified line device. Asynchronous.
lineDevSpecific	Gives service providers access to device-specific features not offered by other TAPI functions. Synchronous.
lineDevSpecificFeature	Sends device-specific switch features to the switch. Asynchronous.

Extended Telephony Functions for Phone Devices

phoneDevSpecific	Device-specific escape function to allow vendor-dependent extensions. Asynchronous.
PhoneNegotiateExtVersion	Allows an application to negotiate an extension version to use with the specified phone device. Synchronous.

Assisted Telephony Services Functions

tapiRequestMakeCall	Submits a request to place a voice call.
tapiRequestMediaCall	Obsolete. Do not use.
tapiRequestDrop	Obsolete. Do not use.
tapiGetLocationInfo	Returns country code and city/area code information.

Call Center Structures

LINEAGENTACTIVITYENTRY
LINEAGENTACTIVITYLIST
LINEAGENTCAPS
LINEAGENTENTRY
LINEAGENTGROUPENTRY
LINEAGENTGROUPLIST
LINEAGENTINFO
LINEAGENTLIST
LINEAGENTSESSIONENTRY
LINEAGENTSESSIONINFO
LINEAGENTSESSIONLIST
LINEAGENTSTATUS
LINEPROXYREQUEST
LINEPROXYREQUESTLIST
LINEQUEUEENTRY
LINEQUEUEINFO
LINEQUEUELIST

Line Device Structures

LINEADDRESSCAPS
LINEADDRESSSTATUS
LINEAPPINFO
LINECALLHUBTRACKINGINFO
LINECALLINFO
LINECALLLIST
LINECALLPARAMS

LINECALLSTATUS
LINECALLTREATMENTENTRY
LINECARDENTRY
LINECOUNTRYENTRY
LINECOUNTRYLIST
LINEDEVCAPS
LINEDEVSTATUS
LINEDIALPARAMS
LINEEXTENSIONID
LINEFORWARD
LINEFORWARDLIST
LINEGENERATETONE
LINEINITIALIZEEXPARAMS
LINELOCATIONENTRY
LINEMEDIACONTROLCALLSTATE
LINEMEDIACONTROLDIGIT
LINEMEDIACONTROLMEDIA
LINEMEDIACONTROLTONE
LINEMESSAGE
LINEMONITORTONE
LINEPROVIDERENTRY
LINEPROVIDERLIST
LINEREQMEDIACALL
LINEREQMAKECALL
LINETERMCAPS
LINETRANSLATECAPS
LINETRANSLATEOUTPUT

Phone Device Structures

PHONEBUTTONINFO
PHONECAPS
PHONEEXTENSIONID
PHONEINITIALIZEEXPARAMS
PHONEMESSAGE
PHONESTATUS
VARSTRING

Call Center Messages

LINE_AGENTSESSIONSTATUS
LINE_AGENTSPECIFIC
LINE_AGENTSTATUS
LINE_AGENTSTATUSSEX
LINE_GROUPSTATUS
LINE_PROXYREQUEST
LINE_PROXYSTATUS
LINE_QUEUESTATUS

Line Device Messages

LINE_ADDRESSSTATE
LINE_APPNEWCALL
LINE_APPNEWCALLHUB
LINE_CALLINFO
LINE_CALLHUBCLOSE
LINE_CALLSTATE
LINE_CLOSE

[LINE_CREATE](#)
[LINE_DEVSPECIFIC](#)
[LINE_DEVSPECIFICEX](#)
[LINE_DEVSPECIFICFEATURE](#)
[LINE_GATHERDIGITS](#)
[LINE_GENERATE](#)
[LINE_LINEDEVSTATE](#)
[LINE_MONITORDIGITS](#)
[LINE_MONITORMEDIA](#)
[LINE_MONITORTONE](#)
[LINE_REMOVE](#)
[LINE_REPLY](#)
[LINE_REQUEST](#)

Phone Device Messages

[PHONE_BUTTON](#)
[PHONE_CLOSE](#)
[PHONE_CREATE](#)
[PHONE_DEVSPECIFIC](#)
[PHONE_REMOVE](#)
[PHONE_REPLY](#)
[PHONE_STATE](#)

Call Center Constants

[LINEAGENTFEATURE_Constants](#)
[LINEAGENTSESSIONSTATE_Constants](#)
[LINEAGENTSESSIONSTATUS_Constants](#)
[LINEAGENTSTATE_Constants](#)
[LINEAGENTSTATEEX_Constants](#)
[LINEAGENTSTATUS_Constants](#)
[LINEAGENTSTATUSEX_Constants](#)
[LINEGROUPSTATUS_Constants](#)
[LINEPROXYREQUEST_Constants](#)
[LINEPROXYSTATUS_Constants](#)
[LINEQUEUESTATUS_Constants](#)

Line Device Constants

[LINEADDRCAPFLAGS_Constants](#)
[LINEADDRESSMODE_Constants](#)
[LINEADDRESSSHARING_Constants](#)
[LINEADDRESSSTATE_Constants](#)
[LINEADDRFEATURE_Constants](#)
[LINEANSWERMODE_Constants](#)
[LINEBEARERMODE_Constants](#)
[LINEBUSYMODE_Constants](#)
[LINECALLCOMPLCOND_Constants](#)
[LINECALLCOMPLMODE_Constants](#)
[LINECALLFEATURE_Constants](#)
[LINECALLFEATURE2_Constants](#)
[LINECALLHUBTRACKING_Constants](#)
[LINECALLINFOSTATE_Constants](#)
[LINECALLORIGIN_Constants](#)
[LINECALLPARAMFLAGS_Constants](#)
[LINECALLPARTYID_Constants](#)
[LINECALLPRIVILEGE_Constants](#)
[LINECALLREASON_Constants](#)
[LINECALLTREATMENT_Constants](#)

[LINECALLSELECT_Constants](#)
[LINECALLSTATE_Constants](#)
[LINECARDOPTION_Constants](#)
[LINECONNECTEDMODE_Constants](#)
[LINEDEVCAPFLAGS_Constants](#)
[LINEDEVSTATE_Constants](#)
[LINEDEVSTATUSFLAGS_Constants](#)
[LINEDIALTONEMODE_Constants](#)
[LINEDIGITMODE_Constants](#)
[LINEDISCONNECTMODE_Constants](#)
[LINEERR_Constants](#)
[LINEFEATURE_Constants](#)
[LINEFORWARDMODE_Constants](#)
[LINEGATHERTERM_Constants](#)
[LINEGENERATETERM_Constants](#)
[LINELOCATIONOPTION_Constants](#)
[LINEINITIALIZEEXOPTION_Constants](#)
[LINEMEDIACONTROL_Constants](#)
[LINEMEDIAMODE_Constants](#)
[LINEOFFERINGMODE_Constants](#)
[LINEOPENOPTION_Constants](#)
[LINEPARKMODE_Constants](#)
[LINEREMOVEFROMCONF_Constants](#)
[LINEREQUESTMODE_Constants](#)
[LINEROAMMODE_Constants](#)
[LINESPECIALINFO_Constants](#)
[LINETERMDEV_Constants](#)
[LINETERMMODE_Constants](#)
[LINETERMSHARING_Constants](#)
[LINETOLLISTOPTION_Constants](#)
[LINETONEMODE_Constants](#)
[LINETRANSFERMODE_Constants](#)
[LINETRANSLATEOPTION_Constants](#)
[LINETRANSLATERESULT_Constants](#)
[LINETSPIOPTION_Constants](#)

Phone Device Constants

[PHONEBUTTONFUNCTION_Constants](#)
[PHONEBUTTONMODE_Constants](#)
[PHONEBUTTONSTATE_Constants](#)
[PHONEERR_Constants](#)
[PHONEFEATURE_Constants](#)
[PHONEHOOKSWITCHDEV_Constants](#)
[PHONEHOOKSWITCHMODE_Constants](#)
[PHONEINITIALIZEEXOPTION_Constants](#)
[PHONELAMPMODE_Constants](#)
[PHONEPRIVILEGE_Constants](#)
[PHONESTATE_Constants](#)
[PHONESTATUSFLAGS_Constants](#)
[STRINGFORMAT_Constants](#)

Device Class

[comm](#) Communications port.
[comm/datam](#) Modem through a communications port.
[odem](#) Name of the device to which a modem is connected.
[comm/datam](#)
[odem/portna](#)

[me](#) Wave audio device (input only).
[wave/in](#) Wave audio device (output only).
[wave/out](#) Wave audio device, full duplex.
[wave/in/out](#) MIDI sequencer (input only).
[midi/in](#) MIDI sequencer (output only).
[midi/out](#) Line device.
[tapi/line](#) Phone device.
[tapi/phone](#) Network device.
[ndis](#) Terminal device.
[tapi/terminal](#)