

## Alcatel OmniPCX Office: TAPI TSPI V5 Conformance

Abstract : This document describes the TAPI features supported by Alcatel OmniPCX Office through the Alcatel Telephony Service Provider.

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# 1. Generalities

## 1.1 History

Edition	Date	Remarks
Edition 1	23/11/00	Creation of the document.
Edition 3b	2003	Removed Office references.

## 1.2 Introduction

This document is a quick function and message reference for Basic Telephony services, Supplementary Telephony services, Assisted Telephony services, and Extended Telephony services for the TAPI Telephony **Service Providers Interface V5** of the Alcatel OmniPCX Office.

## 1.3 Overview

The *Alcatel OmniPCX Office: TAPI TSPI V5 Conformance* is intended to help experienced programmers develop TAPI applications. Previous development experience with telecommunications or telephony applications is helpful but not necessary.

The document is composed of two parts: the *Function Reference Guide*, which lists the functions of TAPI, and the *Message Reference Guide*, which lists the messages of TAPI.

The table in the *Function Reference Guide* indicates for each function: in which 2.0 and/or 2.1 TAPI version it is supported, its dependence with a TSPI function and the name of this function, in which OmniPCX Office version and in which TSP version the function is implemented.

The table indicates in the *Message Reference Guide* for each message: in which 2.0 and/or 2.1 TAPI version it is supported, its dependence with a TSPI message, in which OmniPCX Office version and in which TSP version the message is implemented.

## 1.4 General characteristics

### 1.4.1 OmniPCX and Office prerequisite

The minimal versions, which support the TSPI feature, are:

- (1) OmniPCX R1

### 1.4.2 Relationship between Operating Systems, TAPI and Alcatel TSP versions

Operating system	TAPI version	Alcatel TSP version
Windows 98	2.1	5.0x
Windows 98 Second Edition	2.1	5.0x
Windows Millenium	2.1	5.0x
Windows NT 4 with Service Pack 4* or later	2.0 / 2.1	5.0x
Windows 2000** (professional)	3.0	5.0x

(\*) Service Pack 5 is needed with Microsoft Tapi server.

(\*\*) Under Windows 2000 the TSP still negotiate a TSPI 2.1 version, so there is no description of TAPI 3.0 new functions.

### 1.4.3 Terminals supported

Alcatel TSP version	Supported Terminals
5.0x	Wireless sets and Alcatel Reflexes sets (*) Analog sets, Virtual sets

(\*) Alcatel reflexes: Advanced, Premium, Easy, First. Alcatel reflexes with wire link, DECT link and IP link.

### 1.4.4 TSP Technical limits

The Alcatel TSP can manage at most 20 simultaneous calls per set.

### 1.4.5 PC Operating minimal configuration

PC Intel Pentium, or higher

32 MB RAM

2MB free disk space

## 1.5 Reference Documents

- [1] Microsoft TAPI 2.0 Programmer's Reference
- [2] Microsoft TSPI 2.0 Programmer's Reference
- [3] Microsoft TAPI 2.1 Programmer's Reference
- [4] Microsoft TSPI 2.1 Programmer's Reference

## 1.6 Abbreviations

- **SPI**      **S**ervice **P**rovider's **I**nterface
- **TAPI**     **T**elephony **A**pplication **P**rogrammer's **I**nterface
- **TSP**      **T**elephony **S**ervice **P**rovider
- **TSPI**     **T**elephony **S**ervice **P**rovider's **I**nterface

## 2. Function Reference Guide

The following table indicates for each TAPI function :

- ◆ in which 2.0 / 2.1 TAPI version it is supported,
- ◆ if the TAPI function depends on a TSPI function, in this case we give the name of this TSPI function :
- ◆ The *Supported in* column indicates in which Alcatel TSP version the TSPI function has been implemented (a “+” after a version number indicates that the function is also supported in the next versions) and in which Office / OmniPCX version it is supported : an asterisk (\*) means that the TSPI function doesn't depend on a Office / OmniPCX function, and an (&) indicates that the TSPI function is implemented in the both Office and OmniPCX versions.

The grey shaded functions are not supported.

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## 2.1 Basic Telephony Services Reference

Function Names	Supported in TAPI Version		TSPI dependant	TSPI associated functions	Supported in		Remarks
	2.0	2.1			Office / OmniPCX	TSP	
<b>TAPI Initialization and Shutdown</b>							
LineInitialize	•		•	TSPI_lineNegotiateTSPIVersion TSPI_providerEnumdevices TSPI_providerInit TSPI_phoneNegotiateTSPIVersion	(&)	5.0+	
LineInitializeEx	•	•	•	TSPI_lineNegotiateTSPIVersion TSPI_providerEnumdevices TSPI_providerInit TSPI_phoneNegotiateTSPIVersion	(&)	5.0+	
LineShutdown	•	•	•	TSPI_providerShutdown	(&)	5.0+	
<b>Line Negotiation</b>							
LineNegotiateAPIVersion	•	•					The negotiated API version must be lower or equal to running TAPI version.
<b>Line Status and capabilities</b>							
LineGetDevCaps	•	•	•	TSPI_lineGetDevCaps	(*)	5.0+	DwMediaModes manage the LINEMEDIAMODE_DATAMODEM capability through the value of a registry key. The LINEMEDIAMODE_INTERACTIVEVOICE capability is always managed.
LineGetDevConfig	•	•	•	TSPI_lineGetDevConfig			
LineGetLineDevStatus	•	•	•	TSPI_lineGetLineDevStatus	(*)	5.0+	
LineSetLineDevStatus	•	•	•	TSPI_lineSetLineDevStatus			
LineSetDevConfig	•	•	•	TSPI_lineSetDevConfig			
LineSetStatusMessages	•	•	•	TSPI_lineSetStatusMessages	(*)	5.0+	
LineGetStatusMessages	•	•					
LineGetID	•	•	•	TSPI_lineGetID	(*)	5.0+	
LineGetIcon	•	•	•	TSPI_lineGetIcon			
LineConfigDialog	•	•	•	TUISPI_lineConfigDialog	(*)	5.0+	
LineConfigDialogEdit	•	•	•	TUISPI_lineConfigDialogEdit			
<b>Addresses</b>							
LineGetAddressCaps	•	•	•	TSPI_lineGetAddressCaps	(*)	5.0+	
LineGetAddressID	•	•	•	TSPI_lineGetAddressID	(*)	5.0+	
LineGetAddressStatus	•	•	•	TSPI_lineGetAddressStatus	(*)	5.0+	
<b>Opening and Closing Line Devices</b>							

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LineOpen	•	•	•	TSPI_lineOpen TSPI_lineGetNumAddressIDs TSPI_lineSetDefaultMediaDetection	(&)	5.0+	DwMediaModes must be equal to LINEMEDIAMODE_INTERACTIVEVOICE
LineClose	•	•	•	TSPI_lineClose	(&)	5.0+	
<b>Address Formats</b>							
LineTranslateAddress	•	•					
LineSetCurrentLocation	•	•	•	TSPI_LineSetCurrentLocation			
LineSetTollList	•	•					
LineGetTranslateCaps	•	•					
<b>Call States and Events</b>							
LineGetCallInfo	•	•	•	TSPI_lineGetCallInfo	(*)	5.0+	
LineGetCallStatus	•	•	•	TSPI_lineGetCallStatus	(*)	5.0+	
LineSetAppSpecific	•	•	•	TSPI_lineSetAppSpecific	(*)	5.0+	
<b>Request Recipient Services</b>							
LineRegisterRequestRecipient	•	•					
LineGetRequest	•	•					
<b>Making Calls</b>							
LineMakeCall	•	•	•	TSPI_lineMakeCall	(&)	5.0+	DwCountryCode not used. LINECALLPARAMS.dwBearerMode must be set to LINEBEARERMODE_VOICE. LINECALLPARAMS.dwMediaMode must be set to LINEMEDIAMODE_INTERACTIVEVOICE. The LINEMEDIAMODE_DATAMODEM is also managed.
LineDial	•	•	•	TSPI_lineDial	(&)	5.0+	DwCountryCode not used.
<b>Answering Inbound Calls</b>							
LineAnswer	•	•	•	TSPI_lineAnswer	(&)	5.0+	
<b>Toll Saver Support</b>							
LineSetNumRings	•	•					
LineGetNumRings	•	•					
<b>Call Privilege Control</b>							
LineSetCallPrivilege	•	•					
<b>Call Drop Functions</b>							
LineDrop	•	•	•	TSPI_lineDrop	(&)	5.0+	LpsUserUserInfo not used
LineDeallocateCall	•	•	•	TSPI_lineCloseCall	(*)	5.0+	
<b>Call Handle Manipulation</b>							
LineHandoff	•	•					
LineGetNewCalls	•	•					
LineGetConfRelatedCalls	•	•					
<b>Location and Country Information</b>							
LineTranslateDialog	•	•					
LineGetCountry	•	•					



## 2.2 Supplementary Telephony Services Reference

### 2.2.1 Supplementary Line Services Reference

Function Names	Supported in TAPI Version		TSPi dependant	TSPi associated functions	Supported in		Remarks
	2.0	2.1			Office / OmniPCX	TSP	
<b>Bearer Mode and Rate</b>							
LineSetCallParams	•	•	•	TSPi_lineSetCallParams			
<b>Media Monitoring</b>							
LineMonitorMedia	•	•	•	TSPi_lineMonitorMedia			
<b>Digit Monitoring and Gathering</b>							
LineMonitorDigits	•	•	•	TSPi_lineMonitorDigits			
LineGatherDigits	•	•	•	TSPi_lineGatherDigits			
<b>Tone Monitoring</b>							
LineMonitorTones	•	•	•	TSPi_lineMonitorTones			
<b>Media Control</b>							
LineSetMediaControl	•	•	•	TSPi_lineSetMediaControl			
LineSetMediaMode	•	•	•	TSPi_lineSetMediaMode	(*)	5.0+	DwMediaModes must be set to LINEMEDIAMODE_INTERACTIVEVOICE . The LINEMEDIAMODE_DATAMODEM is also managed .
<b>Generating Inband Digits and Tones</b>							
LineGenerateDigits	•	•	•	TSPi_lineGenerateDigits	(&)	5.0+	DwDigitMode supported: LINEDIGITMODE_DTMF Cancel digits' generation is not supported.
LineGenerateTone	•	•	•	TSPi_lineGenerateTone			
<b>Call Accept and Redirect</b>							
LineAccept	•	•	•	TSPi_lineAccept			
LineRedirect	•	•	•	TSPi_lineRedirect	(&)	5.0+	DwCountryCode parameter not used
<b>Call Reject</b>							
LineDrop	•	•	•	TSPi_lineDrop	(&)	5.0+	LpsUserUserInfo not used
<b>Call Hold</b>							
LineHold	•	•	•	TSPi_lineHold	(&)	5.0+	
LineUnhold	•	•	•	TSPi_lineUnhold	(&)	5.0+	
<b>Making Calls</b>							
LineSecureCall	•	•	•	TSPi_lineSecureCall			

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<b>Call Transfer</b>							
LineSetupTransfer	•	•	•	TSPI_lineSetupTransfer	(&)	5.0+	LINECALLPARAMS.dwBearerMode must be set to LINEBEARERMODE_VOICE. LINECALLPARAMS.dwMediaMode must be set to LINEMEDIAMODE_INTERACTIVEVOICE. The LINEMEDIAMODE_DATAMODEM is also managed .
LineCompleteTransfer	•	•	•	TSPI_lineCompleteTransfert	(&)	5.0+	
LineBlindTransfer	•	•	•	TSPI_lineBlindTransfer			
LineSwapHold	•	•	•	TSPI_lineSwapHold	(&)	5.0+	
<b>Call Conference</b>							
LineSetupConference	•	•	•	TSPI_lineSetupConference			
LinePrepareAddToConference	•	•	•	TSPI_linePrepareAddToConference			
LineAddToConference	•	•	•	TSPI_lineAddToConference			
LineRemoveFromConference	•	•	•	TSPI_lineRemoveFromConference	(&)	5.0+	
<b>Call Park</b>							
LinePark	•	•	•	TSPI_linePark			
LineUnpark	•	•	•	TSPI_lineUnpark			
<b>Call Forwarding</b>							
LineForward	•	•	•	TSPI_lineForward	(&)	5.0+	bAllAddresses and dwNumRingsNoAnswer parameters are not used. Forward modes supported: LINEFORWARDMODE_UNCOND, LINEFORWARDMODE_BUSY, LINEFORWARDMODE_UNCONDINTERNAL. and Do Not Disturb
<b>Call Pickup</b>							
LinePickup	•	•	•	TSPI_linePickup	(&)	5.0+	
<b>Sending Information to Remote Party</b>							
LineReleaseUserUserInfo	•	•	•	TSPI_lineReleaseUserUserInfo			
LineSendUserUserInfo	•	•	•	TSPI_lineSendUserUserInfo			
<b>Call Completion</b>							
LineCompleteCall	•	•	•	TSPI_lineCompleteCall	(&)	5.0+	Completion mode supported: LINECOMPLETIONMODE_CALLBACK and LINECOMPLETIONMODE_INTRUDE.
LineUncompleteCall	•	•	•	TSPI_lineUncompleteCall	(&)	5.0+	Only to cancel INTRUDE
<b>Setting a Terminal for Phone Conversations</b>							
LineSetTerminal	•	•	•	TSPI_lineSetTerminal			
<b>Application Priority</b>							
LineGetAppPriority	•	•					
LineSetAppPriority	•	•					
<b>Service Provider Management</b>							
LineAddProvider	•	•	•	TUISPI_providerInstall	(*)	5.0+	
LineConfigProvider	•	•	•	TUISPI_providerConfig	(*)	5.0+	
LineRemoveProvider	•	•	•	TUISPI_providerRemove	(*)	5.0+	
LineGetProviderList	•	•					
<b>Agents</b>							
LineAgentSpecific	•	•					
LineGetAgentActivityList	•	•					
LineGetAgentCaps	•	•					
LineGetAgentGroupList	•	•					
LineGetAgentStatus	•	•					

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LineSetAgentActivity	•	•					
LineSetAgentGroup	•	•					
LineSetAgentState	•	•					
<b>Proxies</b>							
LineProxyMessage	•	•					
LineProxyResponse	•	•					
<b>Quality of Service</b>							
LineSetCallQualityOfService	•	•	•	TSP1_lineSetCallQualityOfService			
<b>Miscellaneous</b>							
LineSetCallData	•	•	•	TSP1_lineSetCallData	(&)	5.0+	
LineSetCallTreatment	•	•	•	TSP1_lineSetCallTreatment			
<b>Other</b>							
LineGetMessage	•	•					

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### 2.2.2 Supplementary Phone Services Reference

Function Names	Supported in TAPI Version		TSPI dependant	TSPI associated functions	Supported in		Remarks
	2.0	2.1			Office / OmniPCX	TSP	
<b>TAPI Initialization and Shutdown</b>							
PhoneInitialize	•	•	•	TSPI_phoneNegotiateTSPIVersion TSPI_providerEnumdevices TSPI_providerInit TSPI_lineNegotiateTSPIVersion	(*)	5.0+	
PhoneInitializeEx	•	•	•	TSPI_phoneNegotiateTSPIVersion TSPI_providerEnumdevices TSPI_providerInit TSPI_lineNegotiateTSPIVersion	(*) (& (*) (*)	5.0+	
PhoneShutdown	•	•	•	TSPI_providerShutdown	(&)	5.0+	
<b>Phone Version Negotiation</b>							
PhoneNegotiateAPIVersion	•	•					
<b>Opening and Closing Phone Devices</b>							
PhoneOpen	•	•	•	TSPI_phoneOpen	(&)	5.0+	
PhoneClose	•	•	•	TSPI_phoneClose	(&)	5.0+	
<b>Phone Status and Capabilities</b>							
PhoneGetDevCaps	•	•	•	TSPI_phoneGetDevCaps			
PhoneGetID	•	•	•	TSPI_phoneGetID			
PhoneGetIcon	•	•	•	TSPI_phoneGetIcon			
PhoneConfigDialog	•	•	•	TUISPI_phoneConfigDialog	(*)	5.0+	
<b>Hookswitch Devices</b>							
PhoneSetHookSwitch	•	•	•	TSPI_phoneSetHookSwitch			
PhoneGetHookSwitch	•	•	•	TSPI_phoneGetHookSwitch			
PhoneSetVolume	•	•	•	TSPI_phoneSetVolume			
PhoneGetVolume	•	•	•	TSPI_phoneGetVolume			
PhoneSetGain	•	•	•	TSPI_phoneSetGain			
PhoneGetGain	•	•	•	TSPI_phoneGetGain			
<b>Display</b>							
PhoneSetDisplay	•	•	•	TSPI_phoneSetDisplay			
PhoneGetDisplay	•	•	•	TSPI_phoneGetDisplay			
<b>Ring</b>							
PhoneSetRing	•	•	•	TSPI_phoneSetRing			
PhoneGetRing	•	•	•	TSPI_phoneGetRing			
<b>Buttons</b>							
PhoneSetButtonInfo	•	•	•	TSPI_phoneSetButtonInfo			
PhoneGetButtonInfo	•	•	•	TSPI_phoneGetButtonInfo			

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<b>Lamps</b>							
PhoneSetLamp	•	•	•	TSPI_phoneSetLamp			
PhoneGetLamp	•	•	•	TSPI_phoneGetLamp			
<b>Data Areas</b>							
PhoneSetData	•	•	•	TSPI_phoneSetData			
PhoneGetData	•	•	•	TSPI_phoneGetData			
<b>Status</b>							
PhoneSetStatusMessages	•	•	•	TSPI_phoneSetStatusMessages			
PhoneGetStatusMessages	•	•	•				
PhoneGetStatus	•	•	•	TSPI_phoneGetStatus			
<b>Other</b>							
PhoneGetMessage	•	•					

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## 2.3 Assisted Telephony Services Reference

Function Names	Supported in TAPI Version		TSPi dependant	TSPi associated functions	Supported in		Remarks
	2.0	2.1			Office / OmniPCX	TSP	
TapiRequestMakeCall	•	•					
TapiRequestMediaCall							
TapiRequestDrop							
TapiGetLocationInfo	•	•					

## 2.4 Extended Telephony Services Reference

Function Names	Supported in TAPI Version		TSPi dependant	TSPi associated functions	Supported in		Remarks
	2.0	2.1			Office / OmniPCX	TSP	
<b>Extended Telephony Functions for Line Devices</b>							
LineNegotiateExtVersion	•	•	•	TSPi_lineNegotiateExtVersion			
LineDevSpecific	•	•	•	TSPi_lineDevSpecific	(&)	5.0+	
LineDevSpecificFeature	•	•	•	TSPi_lineDevSpecificFeature			
<b>Extended Telephony Functions for Phone Devices</b>							
PhoneDevSpecific	•	•	•	TSPi_phoneDevSpecific	(&)	5.0+	
PhoneNegotiateExtVersion	•	•	•	TSPi_phoneNegotiateExtVersion			

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### 3. Message Reference Guide

- ◆ The following table indicates for each TAPI event in which 2.0 /2.1 TAPI version it is supported, and if it is dependent to a TSPI event.
- ◆ If the TAPI event depends on a TSPI event the *Supported in* column indicates in which Alcatel TSP version it has been implemented (a “+” after a version number indicates that the function is also supported in the next versions) and in which Office /OmniPCX version it is supported : an asterisk (\*) means that the TSPI function doesn't depend on a Office /OmniPCX function, and an (&) indicates that the TSPI function is implemented in the both Office and OmniPCX versions.

The grey shaded events are not supported.

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### 3.1 Line Messages

Event Name	Supported in TAPI Version		TSPI dependant	Supported in		Remarks
	2.0	2.1		Office / OmniPCX	TSP	
<b>LINE_ADDRESSTATE</b>						
LINEADDRESSSTATE_OTHER	.	.	.			
LINEADDRESSSTATE_DEVSPECIFIC	.	.	.			
LINEADDRESSSTATE_INUSEZERO	.	.	.			
LINEADDRESSSTATE_INUSEONE	.	.	.			
LINEADDRESSSTATE_INUSEMANY	.	.	.			
LINEADDRESSSTATE_NUMCALLS	.	.	.	(*)	5.0+	
LINEADDRESSSTATE_FORWARD	.	.	.	(&)	5.0+	
LINEADDRESSSTATE_TERMINALS	.	.	.			
LINEADDRESSSTATE_CAPSCHANG	.	.	.			
<b>LINE_CALLINFO</b>						
LINECALLINFOSTATE_OTHER	.	.	.			
LINECALLINFOSTATE_DEVSPECIFIC	.	.	.	(&)	5.0+	
LINECALLINFOSTATE_BEARERMODE	.	.	.			
LINECALLINFOSTATE_RATE	.	.	.			
LINECALLINFOSTATE_MEDIAMODE	.	.	.	(*)	5.0+	
LINECALLINFOSTATE_APPSPECIFIC	.	.	.	(*)	5.0+	
LINECALLINFOSTATE_CALLID	.	.	.			
LINECALLINFOSTATE_RELATEDCALLID	.	.	.			
LINECALLINFOSTATE_ORIGIN	.	.	.	(&)	5.0+	
LINECALLINFOSTATE_REASON	.	.	.	(&)	5.0+	
LINECALLINFOSTATE_COMPLETIONID	.	.	.	(&)	5.0+	
LINECALLINFOSTATE_NUMOWNERINCR	.	.	.			
LINECALLINFOSTATE_NUMOWNERDECR	.	.	.			
LINECALLINFOSTATE_NUMMONITORS	.	.	.			
LINECALLINFOSTATE_TRUNK	.	.	.			
LINECALLINFOSTATE_CALLERID	.	.	.	(&)	5.0+	
LINECALLINFOSTATE_CALLEDID	.	.	.	(&)	5.0+	
LINECALLINFOSTATE_CONNECTEDID	.	.	.	(&)	5.0+	
LINECALLINFOSTATE_REDIRECTIONID	.	.	.	(&)	5.0+	
LINECALLINFOSTATE_REDIRECTINGID	.	.	.	(&)	5.0+	
LINECALLINFOSTATE_DISPLAY	.	.	.			
LINECALLINFOSTATE_USERUSERINFO	.	.	.			
LINECALLINFOSTATE_HIGHLEVELCOMP	.	.	.			
LINECALLINFOSTATE_LOWLEVELCOMP	.	.	.			
LINECALLINFOSTATE_CHARGINGINFO	.	.	.			
LINECALLINFOSTATE_TERMINAL	.	.	.			

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LINECALLINFOSTATE_DIALPARAMS	.	.	.			
LINECALLINFOSTATE_MONITORMODES	.	.	.			
LINECALLINFOSTATE_TREATMENT	.	.	.			
LINECALLINFOSTATE_QOS	.	.	.			
LINECALLINFOSTATE_CALLDATA	.	.	.	(&)	5.0+	
<b>LINE_CALLSTATE</b>						
LINECALLSTATE_IDLE	.	.	.	(*)	5.0+	
LINECALLSTATE_OFFERING	.	.	.	(&)	5.0+	
LINEOFFERINGMODE_ACTIVE	.	.	.			
LINEOFFERINGMODE_INACTIVE	.	.	.			
LINECALLSTATE_ACCEPTED	.	.	.			
LINECALLSTATE_DIALTONE	.	.	.	(&)	5.0+	
LINEDIALTONEMODE_NORMAL	.	.	.			
LINEDIALTONEMODE_SPECIAL	.	.	.			
LINEDIALTONEMODE_INTERNAL	.	.	.			
LINEDIALTONEMODE_EXTERNAL	.	.	.			
LINEDIALTONEMODE_UNKNOWN	.	.	.			
LINECALLSTATE_DIALING	.	.	.	(&)	5.0+	
LINECALLSTATE_RINGBACK	.	.	.	(&)	5.0+	
LINECALLSTATE_BUSY	.	.	.			
LINEBUSYMODE_STATION	.	.	.			
LINEBUSYMODE_TRUNK	.	.	.			
LINEBUSYMODE_UNKNOWN	.	.	.			
LINEBUSYMODE_UNAVAIL	.	.	.			
LINECALLSTATE_SPECIALINFO	.	.	.			
LINESPECIALINFO_NOCIRCUIT	.	.	.			
LINESPECIALINFO_CUSTIRREG	.	.	.			
LINESPECIALINFO_REORDER	.	.	.			
LINESPECIALINFO_UNKNOWN	.	.	.			
LINESPECIALINFO_UNAVAIL	.	.	.			
LINECALLSTATE_CONNECTED	.	.	.	(&)	5.0+	
LINECONNECTEDMODE_ACTIVE	.	.	.			
LINECONNECTEDMODE_INACTIVE	.	.	.			
LINECALLSTATE_PROCEEDING	.	.	.	(&)	5.0+	
LINECALLSTATE_ONHOLD	.	.	.	(&)	5.0+	
LINECALLSTATE_CONFERENCED	.	.	.	(&)	5.0+	
LINECALLSTATE_ONHOLDPENDCONF	.	.	.	(&)	5.0+	
LINECALLSTATE_ONHOLDPENDTRANSFER	.	.	.	(&)	5.0+	
LINECALLSTATE_DISCONNECTED	.	.	.	(&)	5.0+	
LINEDISCONNECTMODE_NORMAL	.	.	.	(&)	5.0+	
LINEDISCONNECTMODE_UNKNOWN	.	.	.	(&)	5.0+	
LINEDISCONNECTMODE_REJECT	.	.	.	(&)	5.0+	
LINEDISCONNECTMODE_PICKUP	.	.	.	(&)	5.0+	
LINEDISCONNECTMODE_FORWARDED	.	.	.			
LINEDISCONNECTMODE_BUSY	.	.	.	(&)	5.0+	
LINEDISCONNECTMODE_NOANSWER	.	.	.			
LINEDISCONNECTMODE_BADADDRESS	.	.	.	(&)	5.0+	
LINEDISCONNECTMODE_UNREACHABLE	.	.	.			
LINEDISCONNECTMODE_CONGESTION	.	.	.	(&)	5.0+	
LINEDISCONNECTMODE_INCOMPATIBLE	.	.	.			
LINEDISCONNECTMODE_UNAVAIL	.	.	.			
LINEDISCONNECTMODE_NODIALTONE	.	.	.			
LINEDISCONNECTMODE_NUMBERCHANGED	.	.	.			

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LINEDISCONNECTMODE_OUTOFORDER	.	.	.			
LINEDISCONNECTMODE_TEMPFAILURE	.	.	.			
LINEDISCONNECTMODE_QOSUNAVAIL	.	.	.			
LINEDISCONNECTMODE_BLOCKED	.	.	.			
LINEDISCONNECTMODE_DONOTDISTURB	.	.	.	.		
LINEDISCONNECTMODE_CANCELLED	.	.	.			
LINECALLSTATE_UNKNOWN	.	.	.			
LINECALLPRIVILEGE_NONE	.	.	.			
LINECALLPRIVILEGE_MONITOR	.	.	.			
LINECALLPRIVILEGE_OWNER	.	.	.			
LINE_CLOSE	.	.	.			
LINE_DEVSPECIFIC	.	.	.			
LINE_DEVSPECIFICFEATURE	.	.	.			
LINE_GATHERDIGITS	.	.	.			
LINEGATHERTERM_BUFFERFULL	.	.	.			
LINEGATHERTERM_TERMDIGIT	.	.	.			
LINEGATHERTERM_FIRSTTIMEOUT	.	.	.			
LINEGATHERTERM_INTERTIMEOUT	.	.	.			
LINEGATHERTERM_CANCEL	.	.	.			
LINE_GENERATE						
LINEGENERATETERM_DONE	.	.	.	(&)	5.0+	
LINEGENERATETERM_CANCEL	.	.	.	(&)	5.0+	
LINE_LINEDEVSTATE						
LINEDEVSTATE_OTHER	.	.	.			
LINEDEVSTATE_RINGING	.	.	.			
LINEDEVSTATE_CONNECTED	.	.	.	(&)	5.0+	
LINEDEVSTATE_DISCONNECTED	.	.	.	(&)	5.0+	
LINEDEVSTATE_MSGWAITON	.	.	.	(&)	5.0+	
LINEDEVSTATE_MSGWAITOFF	.	.	.	(&)	5.0+	
LINEDEVSTATE_INSERTSERVICE	.	.	.	(&)	5.0+	
LINEDEVSTATE_OUTOFSERVICE	.	.	.	(&)	5.0+	
LINEDEVSTATE_MAINTENANCE	.	.	.			
LINEDEVSTATE_OPEN	.	.	.			
LINEDEVSTATE_CLOSE	.	.	.			
LINEDEVSTATE_NUMCALLS	.	.	.	(&)	5.0+	
LINEDEVSTATE_NUMCOMPLETIONS	.	.	.			
LINEDEVSTATE_TERMINALS	.	.	.			
LINEDEVSTATE_ROAMMODE	.	.	.			
LINEDEVSTATE_BATTERY	.	.	.			
LINEDEVSTATE_SIGNAL	.	.	.			
LINEDEVSTATE_DEVSPECIFIC	.	.	.			
LINEDEVSTATE_REINIT	.	.	.	(&)	5.0+	
LINEDEVSTATE_LOCK	.	.	.			
LINEDEVSTATE_CAPSCHANGE	.	.	.			
LINEDEVSTATE_CONFIGCHANGE	.	.	.			
LINEDEVSTATE_TRANSLATECHANGE	.	.	.			
LINEDEVSTATE_COMPLCANCEL	.	.	.			
LINEDEVSTATE_REMOVED	.	.	.			
LINE_MONITORDIGITS	.	.	.			
LINEDIGITMODE_PULSE	.	.	.			
LINEDIGITMODE_DTMF	.	.	.	(*)	5+	
LINEDIGITMODE_DTMFEND	.	.	.			

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<b>LINE_MONITORMEDIA</b>	.	.	.			
LINEMEDIAMODE_UNKNOWN	.	.	.	(*)	5+	
LINEMEDIAMODE_INTERACTIVEVOICE	.	.	.	(*)	5+	
LINEMEDIAMODE_AUTOMATEDVOICE	.	.	.			
LINEMEDIAMODE_DATAMODEM	.	.	.	(*)	5+	
LINEMEDIAMODE_G3FAX	.	.	.			
LINEMEDIAMODE_TDD	.	.	.			
LINEMEDIAMODE_G4FAX	.	.	.			
LINEMEDIAMODE_DIGITALDATA	.	.	.			
LINEMEDIAMODE_TELETEX	.	.	.			
LINEMEDIAMODE_VIDEOTEX	.	.	.			
LINEMEDIAMODE_TELEX	.	.	.			
LINEMEDIAMODE_MIXED	.	.	.			
LINEMEDIAMODE_ADSI	.	.	.			
LINEMEDIAMODE_VOICEVIEW	.	.	.			
<b>LINE_MONITORTONE</b>	.	.	.			
<b>LINE_REPLY</b>	.	.	.			
<b>LINE_REQUEST</b>	.	.	.			
LINEREQUESTMODE_MAKECALL	.	.	.			
LINEREQUESTMODE_MEDIACALL	.	.	.			
LINEREQUESTMODE_DROP	.	.	.			
<b>LINE_CREATE</b>	.	.	.	(&)	5.0+	
<b>LINE_REMOVE</b>	.	.	.	(&)	5.0+	
<b>LINE_AGENTSPECIFIC</b>	.	.	.			
<b>LINE_AGENTSTATUS</b>	.	.	.			
<b>LINE_APPNEWCALL</b>	.	.	.	(&)	5.0+	
<b>LINE_PROXYREQUEST</b>	.	.	.			

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### 3.2 Phone Messages

Event Name	Supported in TAPI Version		TSPI dependant	Supported in		Remarks
	2.0	2.1		Office / OmniPCX	SPI	
<b>PHONE_BUTTON</b>	*	*	*			
PHONEBUTTONMODE_DUMMY	*	*	*	(&)	5.0+	
PHONEBUTTONMODE_CALL	*	*	*			
PHONEBUTTONMODE_FEATURE	*	*	*			
PHONEBUTTONMODE_KEYPAD	*	*	*	(&)	5.0+	
PHONEBUTTONMODE_LOCAL	*	*	*			
PHONEBUTTONMODE_DISPLAY	*	*	*	(&)	5.0+	
PHONEBUTTONSTATE_UP	*	*	*			
PHONEBUTTONSTATE_DOWN	*	*	*			
PHONEBUTTONSTATE_UNKNOWN	*	*	*			
PHONEBUTTONSTATE_UNAVAIL	*	*	*	(&)	5.0+	
<b>PHONE_CLOSE</b>	*	*	*			
<b>PHONE_DEVSPECIFIC</b>	*	*	*			
<b>PHONE_REPLY</b>	*	*	*			
<b>PHONE_STATE</b>						
PHONESTATE_OTHER	*	*	*	(&)	5.0+	
PHONESTATE_CONNECTED	*	*	*	(&)	5.0+	
PHONESTATE_DISCONNECTED	*	*	*	(&)	5.0+	
PHONESTATE_CAPSCHANGE	*	*	*	(&)	5.0+	
PHONESTATE_OWNER	*	*	*			
PHONESTATE_MONITORS	*	*	*			
PHONESTATE_DISPLAY	*	*	*			
PHONESTATE_LAMP	*	*	*			
PHONESTATE_RINGMODE	*	*	*			
PHONESTATE_RINGVOLUME	*	*	*			
PHONESTATE_HANDSETHOOKSWITCH	*	*	*			
PHONEHOOKSWITCHMODE_ONHOOK	*	*	*			
PHONEHOOKSWITCHMODE_MIC	*	*	*			
PHONEHOOKSWITCHMODE_SPEAKER	*	*	*			
PHONEHOOKSWITCHMODE_MICSPEAKER	*	*	*			
PHONEHOOKSWITCHMODE_UNKNOWN	*	*	*			
PHONESTATE_HANDSETVOLUME	*	*	*			
PHONESTATE_HANDSETGAIN	*	*	*			
PHONESTATE_SPEAKERHOOKSWITCH	*	*	*			
PHONEHOOKSWITCHMODE_ONHOOK	*	*	*			
PHONEHOOKSWITCHMODE_MIC	*	*	*			
PHONEHOOKSWITCHMODE_SPEAKER	*	*	*			

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PHONEHOOKSWITCHMODE_MICSPEAKER	.	.	.			
PHONEHOOKSWITCHMODE_UNKNOWN	.	.	.			
PHONESTATE_SPEAKERVOLUME	.	.	.			
PHONESTATE_SPEAKERGAIN	.	.	.			
PHONESTATE_HEADSETHOOKSWITCH	.	.	.			
PHONEHOOKSWITCHMODE_ONHOOK	.	.	.			
PHONEHOOKSWITCHMODE_MIC	.	.	.			
PHONEHOOKSWITCHMODE_SPEAKER	.	.	.			
PHONEHOOKSWITCHMODE_MICSPEAKER	.	.	.			
PHONEHOOKSWITCHMODE_UNKNOWN	.	.	.			
PHONESTATE_HEADSETVOLUME	.	.	.			
PHONESTATE_HEADSETGAIN	.	.	.			
PHONESTATE_SUSPEND	.	.	.			
PHONESTATE_RESUME	.	.	.			
PHONESTATE_DEVSPECIFIC	.	.	.			
PHONESTATE_REINIT	.	.	.			
PHONESTATE_REMOVED	.	.	.			
<b>PHONE_CREATE</b>	.	.	.	(*)	5.0+	
<b>PHONE_REMOVE</b>	.	.	.	(*)	5.0+	

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