

TR-064 Support – X_VoIP

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urn:X_VoIP-com:serviceId:X_VoIP1

For details please refer the SCPD files on the device.

History

Date	Version	Changes
2011-02-21	47	New actions for AreaCode and CountryCode.
2011-05-12	48	Changed value for VoiceCoding (autocompressed)
2011-12-16	49	Configuration of incoming numbers and external registration flag for SIP clients. New actions: X_AVM-DE_GetClient3 X_AVM-DE_SetClient3 X_AVM-DE_GetClients X_AVM-DE_GetNumbers X_AVM-DE_GetNumberOfNumbers
2012-01-05	50	Minor spelling fix in state variable table.
2012-01-10	51	X_AVM-DE_SetClient3 supports empty value for X_AVM-DE_InComingNumbers
2012-02-02	52	SOAP actions X_AVM-DE_GetClient3 and X_AVM-DE_SetClient3: details for values of argument X_AVM-DE_InComingNumbers
2014-07-28	53	Spelling fix for action X_AVM-DE_DialHangup.
2015-06-11	54	Name correction of parameters for functions X_AVM-DE_GetNumbers X_AVM-DE_GetNumberOfNumbers
2015-10-22	55	Remove support of parameter X_AVM-DE_ExternalRegistration for action X_AVM-DE_SetClient3.
2015-11-20	56	Add variable and parameter X_AVM-DE_ClientRegistrarPort rename Table => Account rename T38FaxEnable => FaxT38Enable add variable Index

Action List

This chapter contains the supported actions of the service x_voip which are listed incl. arguments.

GetInfo

Argument name	Direction	Related state variable	Remarks
NewFaxT38Enable	out	FaxT38Enable	
NewVoiceCoding	out	VoiceCoding	

Table 1: Argument list of action GetInfo

GetInfoEx

Argument name	Direction	Related state variable	Remarks
NewVoIPNumberMinChars	out	VoIPNumberMinChars	
NewVoIPNumberMaxChars	out	VoIPNumberMaxChars	
NewVoIPNumberAllowedChars	out	VoIPNumberAllowedChars	
NewVoIPUsernameMinChars	out	VoIPUsernameMinChars	
NewVoIPUsernameMaxChars	out	VoIPUsernameMaxChars	
NewVoIPUsernameAllowedChars	out	VoIPUsernameAllowedChars	
NewVoIPPasswordMinChars	out	VoIPPasswordMinChars	
NewVoIPPasswordMaxChars	out	VoIPPasswordMaxChars	
NewVoIPPasswordAllowedChars	out	VoIPPasswordAllowedChars	
NewVoIPRegistrarMinChars	out	VoIPRegistrarMinChars	
NewVoIPRegistrarMaxChars	out	VoIPRegistrarMaxChars	
NewVoIPRegistrarAllowedChars	out	VoIPRegistrarAllowedChars	
NewVoIPSTUNServerMinChars	out	VoIPSTUNServerMinChars	
NewVoIPSTUNServerMaxChars	out	VoIPSTUNServerMaxChars	
NewVoIPSTUNServerAllowedChars	out	VoIPSTUNServerAllowedChars	

Table 2: Argument list of action GetInfoEx

GetExistingVoIPNumbers

Argument name	Direction	Related state variable	Remarks
NewExistingVoIPNumbers	out	ExistingVoIPNumbers	2010-02-03

Table 3: Argument list of action GetExistingVoIPNumbers

GetMaxVoIPNumbers

Argument name	Direction	Related state variable	Remarks
NewMaxVoIPNumbers	out	MaxVoIPNumbers	2010-02-03

Table 4: Argument list of action GetMaxVoIPNumbers

GetVoIPCommonAreaCode

Argument name	Direction	Related state variable	Remarks
NewVoIPAreaCode	out	VoIPAreaCode	

Table 5: Argument list of action GetVoIPCommonAreaCode

GetVoIPEnableAreaCode

Argument name	Direction	Related state variable	Remarks
NewVoIPAccountIndex	in	VoIPAccountIndex	
NewVoIPEnableAreaCode	out	VoIPEnableAreaCode	

Table 6: Argument list of action GetVoIPEnableAreaCode

SetVoIPEnableAreaCode

Argument name	Direction	Related state variable	Remarks
NewVoIPAccountIndex	in	VoIPAccountIndex	
NewVoIPEnableAreaCode	in	VoIPEnableAreaCode	

Table 7: Argument list of action [SetVoIPEnableAreaCode](#)

SetVoIPCommonAreaCode

Argument name	Direction	Related state variable	Remarks
NewVoIPAreaCode	in	VoIPAreaCode	

Table 8: Argument list of action SetVoIPCommonAreaCode

GetVoIPCommonCountryCode

Argument name	Direction	Related state variable	Remarks
NewVoIPCountryCode	out	VoIPCountryCode	

Table 9: Argument list of action GetVoIPCommonCountryCode

GetVoIPEnableCountryCode

Argument name	Direction	Related state variable	Remarks
NewVoIPAccountIndex	in	VoIPAccountIndex	
NewVoIPEnableCountryCode	out	VoIPEnableCountryCode	

Table 10: Argument list of action GetVoIPEnableCountryCode

SetConfig

Argument name	Direction	Related state variable	Remarks
NewT38FaxEnable	in	T38FaxEnable	
NewVoiceCoding	in	VoiceCoding	

Table 11: Argument list of action SetConfig

SetVoIPCommonCountryCode

Argument name	Direction	Related state variable	Remarks
NewVoIPCountryCode	in	VoIPCountryCode	

Table 12: Argument list of action SetVoIPCommonCountryCode

SetVoIPEnableCountryCode

Argument name	Direction	Related state variable	Remarks
NewVoIPAccountIndex	in	VoIPAccountIndex	
NewVoIPEnableCountryCode	in	VoIPEnableCountryCode	

Table 13: Argument list of action [SetVoIPEnableCountryCode](#)

X_AVM-DE_AddVoIPAccount

Argument name	Direction	Related state variable	Remarks
NewVoIPAccountIndex	in	VoIPAccountIndex	
NewVoIPRegistrar	in	VoIPRegistrar	
NewVoIPNumber	in	VoIPNumber	
NewVoIPUsername	in	VoIPUsername	
NewVoIPPassword	in	VoIPPassword	
NewVoIPOutboundProxy	in	VoIPOutboundProxy	
NewVoIPSTUNServer	in	VoIPSTUNServer	

Table 14: Argument list of action X_AVM-DE_AddVoIPAccount

X_AVM-DE_DeleteClient

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_ClientIndex	in	X_AVM-DE_ClientIndex	2010-02-03

Table 15: Argument list of action X_AVM-DE_ClientIndex

X_AVM-DE_DeIVoIPAccount

The action can be used to delete an existing VoIP entry.

Argument name	Direction	Related state variable	Remarks
NewVoIPAccountIndex	in	VoIPAccountIndex	

Table 16: Argument list of action X_AVM-DE_DeIVoIPAccount

X_AVM-DE_DialGetConfig

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_PhoneName	out	X_AVM-DE_PhoneName	2010-04-08, Version 12.02.09

Table 17: Argument list of action X_AVM-DE_DialGetConfig

X_AVM-DE_DialHangup

Disconnect the dialling process.

X_AVM-DE_DialNumber

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_PhoneNumber	in	X_AVM-DE_PhoneNumber	2010-04-08, Version 12.02.09

Table 18: Argument list of action X_AVM-DE_DialNumber

X_AVM-DE_DialSetConfig

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_PhoneName	in	X_AVM-DE_PhoneName	2010-04-08, Version 12.02.09

Table 19: Argument list of action X_AVM-DE_DialSetConfig

X_AVM-DE_GetNumberOfClients

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_NumberOfClients	out	X_AVM-DE_NumberOfClients	2010-02-03

Table 20: Argument list of action X_AVM-DE_GetNumberOfClients

X_AVM-DE_GetClient

This action is obsolete: use X_AVM-DE_GetClient2 instead. 2010-09-10

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_ClientIndex	in	X_AVM-DE_ClientIndex	2010-02-03
NewX_AVM-DE_ClientUsername	out	X_AVM-DE_ClientUsername	2010-02-03
NewX_AVM-DE_ClientRegistrar	out	X_AVM-DE_ClientRegistrar	2010-02-03
NewX_AVM-DE_ClientRegistrarPort	out	X_AVM-DE_ClientRegistrarPort	2015-11-20
NewX_AVM-DE_PhoneName	out	X_AVM-DE_PhoneName	2010-02-03
NewX_AVM-DE_OutGoingNumber	out	X_AVM-DE_OutGoingNumber	2010-02-03

Table 21: Argument list of action X_AVM-DE_GetClient

X_AVM-DE_GetClient2

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_ClientIndex	in	X_AVM-DE_ClientIndex	2010-02-03
NewX_AVM-DE_ClientUsername	out	X_AVM-DE_ClientUsername	2010-02-03
NewX_AVM-DE_ClientRegistrar	out	X_AVM-DE_ClientRegistrar	2010-02-03
NewX_AVM-DE_ClientRegistrarPort	out	X_AVM-DE_ClientRegistrarPort	2015-11-20
NewX_AVM-DE_PhoneName	out	X_AVM-DE_PhoneName	2010-02-03
NewX_AVM-DE_ClientId	out	X_AVM-DE_ClientId	2010-09-10
NewX_AVM-DE_OutGoingNumber	out	X_AVM-DE_OutGoingNumber	2010-02-03

Table 22: Argument list of action X_AVM-DE_GetClient2

X_AVM-DE_GetClient3

Return SIP Client account with incoming numbers and allow registration from outside flag.

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_ClientIndex	in	X_AVM-DE_ClientIndex	
NewX_AVM-DE_ClientUsername	out	X_AVM-DE_ClientUsername	
NewX_AVM-DE_ClientRegistrar	out	X_AVM-DE_ClientRegistrar	
NewX_AVM-DE_ClientRegistrarPort	out	X_AVM-DE_ClientRegistrarPort	2015-11-20
NewX_AVM-DE_PhoneName	out	X_AVM-DE_PhoneName	
NewX_AVM-DE_ClientId	out	X_AVM-DE_ClientId	
NewX_AVM-DE_OutGoingNumber	out	X_AVM-DE_OutGoingNumber	
NewX_AVM-DE_InComingNumbers	out	X_AVM-DE_InComingNumbers	
NewX_AVM-DE_ExternalRegistration	out	X_AVM-DE_ExternalRegistration	

Table 23: Argument list of action X_AVM-DE_GetClient3

The format of the state variable X_AVM-DE_IncomingNumbers is similar to the state variable X_AVM-DE_Numbers described in the paragraph X_AVM-DE_GetNumbers (below).
If the SIP client shall react on all possible numbers the Type is set to eAllCalls.

X_AVM-DE_GetClients

Return a list of all SIP client accounts.

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_ClientList	out	X_AVM-DE_ClientList	

Table 24: Argument list of action X_AVM-DE_GetClients

The list contains all configured SIP client accounts a XML list.

```
<X_AVM-DE_ClientList>
<List>
  <Item>
    <X_AVM-DE_ClientIndex>0</X_AVM-DE_ClientIndex>
    <X_AVM-DE_ClientUsername>620</X_AVM-DE_ClientUsername>
    <X_AVM-DE_ClientRegistrar>192.168.178.1</X_AVM-DE_ClientRegistrar>
    <X_AVM-DE_PhoneName>My Iphone SIP Client</X_AVM-DE_PhoneName>
    <X_AVM-DE_ClientId>xfffggab</X_AVM-DE_ClientId>
    <X_AVM-DE_OutGoingNumber>0123</X_AVM-DE_OutGoingNumber>
    <X_AVM-DE_InComingNumbers>
      <Item>
        <Number>0123</Number>
        <Type>eISDN</Type>
        <Index>0</Index>
        <Name>ISDN1</Name>
      </Item>
      <Item>
        <Number>456789</Number>
        <Type>eISDN</Type>
        <Index>1</Index>
        <Name>ISDN1</Name>
      </Item>
    </X_AVM-DE_InComingNumbers>
    <X_AVM-DE_ExternalRegistration>0</X_AVM-DE_ExternalRegistration>
  </Item>
  ...
</List>
</X_AVM-DE_ClientList>
```

X_AVM-DE_GetNumberOfNumbers

Return amount of telephone numbers usable as incoming number.

Argument name	Direction	Related state variable	Remarks
NewNumberOfNumbers	out	NumberOfNumbers	

Table 25: Argument list of action X_AVM-DE_GetNumberOfNumbers

X_AVM-DE_GetNumbers

Return a list of all telephone numbers.

Argument name	Direction	Related state variable	Remarks
NewNumberList	out	NumberList	

Table 26: Argument list of action X_AVM-DE_GetNumbers

The list contains all configured numbers for all number types. The index can be used to see how many numbers are configured for one type.

```
<List>
  <Item>
    <Number>0123456</Number>
    <Type>eVOIP</Type>
    <Index>0</Index>
    <Name>VoiceOverIP1</Name>
  </Item>
  <Item>
    <Number>456789</Number>
    <Type>eISDN</Type>
    <Index>0</Index>
    <Name>ISDN1</Name>
  </Item>
</List>
```

Numbers to be returned:

- ISDN
- VoIP
- GSM
- POTS
- no number

The used values for Type are:

- eISDN
- eAllCalls
- eNone
- eISDN

- ePOTS
- eVoIP
- eGSM

X_AVM-DE_GetPhonePort

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	2010-04-08, Version 12.02.09
NewX_AVM-DE_PhoneName	out	X_AVM-DE_PhoneName	2010-04-08, Version 12.02.09

Table 27: Argument list of action X_AVM-DE_GetPhonePort

X_AVM-DE_GetVoIPAccount

Argument name	Direction	Related state variable	Remarks
NewVoIPAccountIndex	in	VoIPAccountIndex	
NewVoIPRegistrar	out	VoIPRegistrar	
NewVoIPNumber	out	VoIPNumber	
NewVoIPUsername	out	VoIPUsername	
NewVoIPOutboundProxy	out	VoIPOutboundProxy	
NewVoIPSTUNServer	out	VoIPSTUNServer	

Table 28: Argument list of action X_AVM-DE_GetVoIPAccount

X_AVM-DE_SetClient

This action is obsolete: use X_AVM-DE_SetClient2 instead. 2010-09-10

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_ClientIndex	in	X_AVM-DE_ClientIndex	2010-02-03
NewX_AVM-DE_ClientPassword	in	X_AVM-DE_ClientPassword	2010-02-03
NewX_AVM-DE_PhoneName	in	X_AVM-DE_PhoneName	2010-02-03
NewX_AVM-DE_OutGoingNumber	in	X_AVM-DE_OutGoingNumber	2010-02-03

Table 29: Argument list of action X_AVM-DE_SetClient

X_AVM-DE_SetClient2

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_ClientIndex	in	X_AVM-DE_ClientIndex	2010-02-03
NewX_AVM-DE_ClientPassword	in	X_AVM-DE_ClientPassword	2010-02-03
NewX_AVM-DE_PhoneName	in	X_AVM-DE_PhoneName	2010-02-03
NewX_AVM-DE_ClientId	in	X_AVM-DE_ClientId	2010-09-10
NewX_AVM-DE_OutGoingNumber	in	X_AVM-DE_OutGoingNumber	2010-02-03

Table 30: Argument list of action X_AVM-DE_SetClient 2

X_AVM-DE_SetClient3

Configure a SIP Client account with incoming numbers and allow registration from outside flag.

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_ClientIndex	in	X_AVM-DE_ClientIndex	
NewX_AVM-DE_ClientPassword	in	X_AVM-DE_ClientPassword	
NewX_AVM-DE_PhoneName	in	X_AVM-DE_PhoneName	
NewX_AVM-DE_ClientId	in	X_AVM-DE_ClientId	
NewX_AVM-DE_OutGoingNumber	in	X_AVM-DE_OutGoingNumber	
NewX_AVM-DE_InComingNumbers	in	X_AVM-DE_InComingNumbers	
NewX_AVM-DE_ExternalRegistration	in	X_AVM-DE_ExternalRegistration	Value ignored 2015-10-22

Table 31: Argument list of action X_AVM-DE_SetClient3

The format of the state variable X_AVM-DE_IncomingNumbers is similar to the state variable X_AVM-DE_Numbers described in the paragraph X_AVM-DE_GetNumbers (above).

If the value for X_AVM-DE_IncomingNumbers is empty, the SIP client has to ring for all incoming numbers.

Service States Table

Variable name	Allowed values (* == default)	Data type
ExistingVoIPNumbers	not used	ui2
FaxT38Enable		boolean
Index		ui2
MaxVoIPNumbers	not used	ui2
NumberOfNumbers		ui4
NumberList	XML-String	string
VoiceCoding	"fixed" - always use POTS quality (*) "auto" - automatic audio codec selection "compressed" - always use audio codec with compression "autocompressed" - automatic use of compressed audio codec	string
VoIPAccountIndex		ui2
VoIPAreaCode		string
VoIPCountryCode		string
VoIPEnableAreaCode		boolean
VoIPEnableCountryCode		boolean
VoIPNumber		string
VoIPNumberAllowedChars	0123456789+ (*)	string
VoIPNumberMaxChars	128 (*)	ui2
VoIPNumberMinChars	1 (*)	ui2
VoIPOutboundProxy		string

Variable name	Allowed values (* == default)	Data type
VoIPPassword		string
VoIPPasswordAllowedChars	0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZabcd efghijklmnopqrstuvwxyz-._ (*)	string
VoIPPasswordMaxChars	64 (*)	ui2
VoIPPasswordMinChars	3 (*)	ui2
VoIPRegistrar		string
VoIPRegistrarAllowedChars	0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZabcd efghijklmnopqrstuvwxyz-._ (*)	string
VoIPRegistrarMaxChars	64 (*)	ui2
VoIPRegistrarMinChars	1 (*)	ui2
VoIPSTUNServer		string
VoIPSTUNServerAllowedChars	0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZabcd efghijklmnopqrstuvwxyz-._: (*)	string
VoIPSTUNServerMaxChars	255 (*)	ui2
VoIPSTUNServerMinChars	0 (*)	ui2
VoIPUsername		string
VoIPUsernameAllowedChars	0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZabcd efghijklmnopqrstuvwxyz-._@ (*)	string
VoIPUsernameMaxChars	128 (*)	ui2
VoIPUsernameMinChars	4 (*)	ui2
X_AVM-DE_ClientId		string
X_AVM-DE_ClientIndex	0, ..., 9	ui2
X_AVM-DE_ClientList	XML-String or empty	string
X_AVM-DE_ClientPassword		string
X_AVM-DE_ClientRegistrar		string
X_AVM-DE_ClientRegistrarPort		ui2
X_AVM-DE_ClientUsername		string
X_AVM-DE_ExternalRegistration		boolean
X_AVM-DE_InComingNumbers	XML-String or empty	string
X_AVM-DE_NumberOfClients	0, ..., 10	ui2
X_AVM-DE_OutGoingNumber	Empty string to use first available number automatically.	string
X_AVM-DE_PhoneName	Empty string to disable feature to dial a number.	string
X_AVM-DE_PhoneNumber		string

Table 32: Variable list