

## Chapter

# 7

## Appendix B: PARTNER side CONFIGURATION

### 7.1 Screenshots from AIPHONE IX-Support-Tool

- **Identification Menu :**

<div> <div>Station Information</div> <div>Identification</div> <div>ID and Password</div> <div>Time</div> <div>Expanded System</div> </div> <div> <div>Network Settings</div> <div>System Information</div> <div>Call Settings</div> <div>Option Input / Relay Output Settings</div> <div>Paging Settings</div> <div>Function Settings</div> </div>	Station Information			
	Identification			
	#	Number	Name	Location
				Station Type
	0001	4445	IXMV7	
	0002	4446	IXDV	
	0003	4447	IXDA	
	0004	4448	IXSS2G	

- **ID and Password Menu :**

<div> <div>Station Information</div> <div>Identification</div> <div>ID and Password</div> <div>Time</div> <div>Expanded System</div> </div> <div> <div>Network Settings</div> <div>System Information</div> <div>Call Settings</div> <div>Option Input / Relay Output Settings</div> <div>Paging Settings</div> <div>Function Settings</div> </div>	Station Information				Station Information	
	Identification				ID and Password	
	#	Number	Name	Location	Station Type	Administrator ID
						Administrator Password
	0001	4445	IXMV7		IX-MV7-*	aiphone
	0002	4446	IXDV		IX-DV, IX-DVF(-*)	aiphone
	0003	4447	IXDA		IX-DA	aiphone
	0004	4448	IXSS2G		IX-SS-2G	aiphone

- **Time Menu :**

<div> <div>Station Information</div> <div>Identification</div> <div>ID and Password</div> <div>Time</div> <div>Expanded System</div> </div> <div> <div>Network Settings</div> <div>System Information</div> <div>Call Settings</div> <div>Option Input / Relay Output Settings</div> <div>Paging Settings</div> <div>Function Settings</div> </div>	Station Information				Station Information	
	Identification				Time	
	#	Number	Name	Location	Station Type	Time Zone
						Select time zone
	0001	4445	IXMV7		IX-MV7-*	(GMT-08:00) Pacific Standard Time (US), Tijuana
	0002	4446	IXDV		IX-DV, IX-DVF(-*)	(GMT-08:00) Pacific Standard Time (US), Tijuana
	0003	4447	IXDA		IX-DA	(GMT-08:00) Pacific Standard Time (US), Tijuana
	0004	4448	IXSS2G		IX-SS-2G	(GMT-08:00) Pacific Standard Time (US), Tijuana

### • IP Address Menu :

Station Information

Network Settings

IP Address

DNS

SIP

Multicast Address

Video

Audio

Packet Priority

NTP

System Information

#	Station Information				Network Settings																Text in red are required
	Identification				IP Address																
	Number	Name	Location	Station Type	IP Version	Static / DHCP	IPv4 Address														
							IP Address				Subnet Mask				Default Gateway						
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
0001	4445	IXMV7		IX-MV7-*	IPv4	Static	192	168	1	10	255	255	255	0	192	168	1	1			
0002	4446	IXDV		IX-DV, IX-DVF(-*)	IPv4	Static	192	168	1	11	255	255	255	0	192	168	1	1			
0003	4447	IXDA		IX-DA	IPv4	Static	192	168	1	12	255	255	255	0	192	168	1	1			
0004	4448	IXSS2G		IX-SS-2G	IPv4	Static	192	168	1	13	255	255	255	0	192	168	1	1			

### • DNS Menu :

Station Information					Network Settings				
Identification					DNS				
#					Primary Server				
	Number	Name	Location	Station Type	IPv4				IPv6
					1	2	3	4	
0001	4445	IXMV7		IX-MV7-*	192	168	1	1	
0002	4446	IXDV		IX-DV, IX-DVF(-*)	192	168	1	1	
0003	4447	IXDA		IX-DA	192	168	1	1	
0004	4448	IXSS2G		IX-SS-2G	192	168	1	1	

### • SIP Menu :

Station Information	Station Information					Network Settings				Text	
Network Settings	Identification					SIP					
IP Address	#	Number	Name	Location	Station Type	SIP Connections		Primary Server			
DNS						SIP Signaling Port	User Agent	ID	Password		
SIP											
Multicast Address											
Video	0001	4445	IXMV7		IX-MV7-*	5060		4445	*****		
Audio	0002	4446	IXDV		IX-DV, IX-DVF(-*)	5060		4446	*****		
Packet Priority	0003	4447	IXDA		IX-DA	5060		4447	*****		
NTP	0004	4448	IXSS2G		IX-SS-2G	5060		4448	*****		
System Information											

### • Multicast Address Menu :

Station Information					Network Settings								
Identification					Multicast Address								
#	Number	Name	Location	Station Type	Master Station: For Call / Paging, Video Door Station: For Call								
					IPv4				IPv6				
					1	2	3	4					
	0001	4445	IXMV7		IX-MV7-*	224	0	0	1				
	0002	4446	IXDV		IX-DV, IX-DVF(-*)	224	0	0	2				
	0003	4447	IXDA		IX-DA	224	0	0	3				

### • Video Menu :

Station Information		Station Information				Network Settings										Text in red are required settings.																			
Network Settings		Identification				Video																													
IP Address		#				Video Encoder 1																													
DNS						Number				Name				Location		Station Type		Video Codec		Resolution		Fram		Select Pro		I-picture Inter		Bit rate [kbp		RTP Start Port		RTP End Port			
SIP						0001				4445				IXMV7				IX-MV7-*										30000		31000					
Multicast Address						0002				4446				IXDV				IX-DV, IX-DVF(-*)		H.264/AVC		640x480(VGA)		15		Baseline		15		1024		30000		31000	
Video						0003				4447				IXDA				IX-DA		H.264/AVC		320x240(QVGA)		15		Baseline		15		1024		30000		31000	
Audio																																			
Packet Priority																																			
NTP																																			

### • Audio Menu :

Station Information		Network Settings						
Identification		Audio						
#	Number	Name	Location	Station Type	Audio Codec	Audio RTP Transmission Interval [msec]	RTP Idle Detection Time [sec]	Audio 1 RTP
0001	4445	IXMV7		IX-MV7-*	G.711(μ-law)	20	10	
0002	4446	IXDV		IX-DV, IX-DVF(-*)	G.711(μ-law)	20	10	
0003	4447	IXDA		IX-DA	G.711(A-law)	20	10	
0004	4448	IXSS2G		IX-SS-2G	G.711(μ-law)	20	10	

- NTP Menu :**

Station Information		Network Settings						
Identification		NTP						
#	Number	Name	Location	Station Type	Enable NTP	Synchronization Interval [hour]	Primary Server	Secondary Server
							Address	Address
							IPv4	IPv6
							Port	Port
0001	4445	IXMV7		IX-MV7-*	Yes		24 ntp.pool.com	123
0002	4446	IXDV		IX-DV, IX-DVF(-*)	Yes		24 ntp.pool.com	123
0003	4447	IXDA		IX-DA	Yes		24 ntp.pool.com	123
0004	4448	IXSS2G		IX-SS-2G	Yes		24 ntp.pool.com	123

- Station Information Menu :**

Station Information

Network Settings

IP Address

DNS

SIP

Multicast Address

Video

Audio

Packet Priority

NTP

System Information

Call Settings

Station Information

Station Information					Call Settings
#	Identification				Station Information
	Number	Name	Location	Station Type	Call Button Function
	0002	4446	IXDV	IX-DV, IX-DVF(-)	Call, Answer Call, End Communication
	0004	4448	IXSS2G	IX-SS-2G	Call, Answer Call, End Communication

- Address Book (For Master Station) Menu :**

Station Information		Address Book			
Identification		4446			
#	Number	Name	Location	Station Type	4447
					IXDA / IX-DA
					Select
					Network Camera
					Select
					Network Camera
0001	4445	IXMV7	IX-MV7-*	SIP	✓

- Called Stations (Door/Substations) Menu :**

Station Information	Station Information					Total	Call Settings		Text in red are required settings.	
Network Settings	Identification						Called Stations (Door/Sub Stations)			
IP Address	#	Number	Name	Location	Station Type		Group 01			
DNS						Number / Name / Station Type				
SIP						4448 / IXSS2G / IX-SS-2G			4450 / Emergency / VoIP Phone	
Multicast Address						U			U	
Video						U			U	
Audio	0002	4446	IXDV		IX-DV, IX-DVF(-)	3	U			
Packet Priority	0003	4447	IXDA		IX-DA	2	U			
NTP	0004	4448	IXSS2G		IX-SS-2G	2	U			
System Information										
Call Settings										
Station Information										
Called Stations (Master St)										
Called Stations (Door/Sub)										

### • VoIP Phone Registration Menu :

Category

Video Station

Station Type: XDA

Table View

Row

Previous

Next

Number of Notes 5

1. U = Unicast, M = Multicast, P = Presignaling 16

Station Information

Network Settings

- IP Address
- DNS
- SIP
- Multicast Address
- Video
- Audio
- Packet Priority
- NTP

System Information

Call Settings

- Station Information
- Called Stations (Master St)
- Called Stations (Door/Sub)
- Call Origination

Station Information Identification

#	Number	Name
0002	4446	IXDV
0003	4447	IXDA
0004	4448	IXSS2G

Station Type

VoIP Phone Registration

Location Registry

To delete VoIP Phone, all line items must be blank.

Certain characters may not be displayed correctly on IX-MVT-2 due to font type.

Station List

Text in red are required settings.

#	Number	Name	Location
0001	4450	Emergency	
0002			
0003			
0004			
0005			
0006			
0007			
0008			
0009			
0010			
0011			
0012			

Display Settings

Group 01

Related Settings

VoIP Phone Registration

Text in red are required settings.

4450 / Emergency / VoIP Phone
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### • Call Origination :

Station Information		Station Information				Call Settings				Text in red are required settings.				
Network Settings		Identification				Call Origination								
IP Address		#					Call Button							
DNS			Number	Name	Location	Station Type	Call Method	Ringback Tone	Call Timeout		Ringback T	Standard Mode S		
SIP									Select	10-600 sec			Call Destination	
Multicast Address														
Video			0001	4445	IXM/V7	IX-M/V7-*		Call Pattern 4	10-600 sec	60	Infinite			
Audio			0002	4446	IXD/V	IX-DV, IX-DVF(-)	Standard Destination	Call Pattern 1	10-600 sec	60	Infinite	01		
Packet Priority			0003	4447	IXDA	IX-DA	Standard Destination	Call Pattern 1	10-600 sec	60	Infinite	10		
NTP			0004	4448	IXSS2G	IX-SS-2G	Standard Destination	Call Pattern 1	10-600 sec	60	Infinite	01		
System Information														
Location Registry														
Address Book														
Group (for Master)														
Custom Sound Registry														
Call Settings														
Station Information														
Called Stations (Master St)														
Called Stations (Door/Sub)														
Call Origination														

### • Relay Output :

Station View

Video

Audio

Packet Priority

NTP

System Information

Location Registry

Address Book

Group (for Master)

Custom Sound Registry

Call Settings

Station Information

Called Stations (Master St)

Called Stations (Door/Sub)

Call Origination

Incoming Call

Option Input / Relay Output Settings

Option Input

Relay Output

2. When set to blank, it will perform in association with the contact change of Relay Output 1 on all SIF command originating stations.

Text in red are required settings.

#	Station Information			Option Input / Relay Output Settings				
	Identification			Relay Output				
	Number	Name	Location Type	F Relay Output 1 (Output Time is valid when Relay Output function is set to Door Release or is controlled by)			Relay Output 1	
				Output Time Range	Output Time	Door Release Authorization	Sound Settings	
							Door Release	
0001	4445	IXMV7	IX-MV7-*	200-2000 [msec]		400	66082596657547818628	Operation Sound
0002	4446	IXDV	IX-DV, IX-DVF(-*)	200-2000 [msec]		400	51849657395646761575	Operation Sound
0003	4447	IXDA	IX-DA	200-2000 [msec]		400	15846161839581737594	Operation Sound
0004	4448	IXSS2G	IX-SS-2G	200-2000 [msec]		400	80514637145702775851	Operation Sound

- Absent Transfer :**

The screenshot shows the 'Absent Transfer' configuration screen. The left sidebar lists various settings, with 'Absent Transfer' highlighted. The main area contains a table for station information and transfer settings.

Station Information				Transfer Settings															
Identification				Absent Transfer															
#	Number	Name	Station Type	Transfer Destination List												Re-Transfer Dest			
				Absent Transfer	Station List	Number	No.01	No.02	No.03	No.04	No.05	No.06	No.07	No.08	No.09	No.10	Station List		
0001	4445	IXMV7	IX-MV7-*	Enable	Open	4450											Open		

- Delay Transfer :**

The screenshot shows the 'Delay Transfer' configuration screen. The left sidebar lists various settings, with 'Delay Transfer' highlighted. The main area contains a table for station information and transfer settings.

Station Information				Transfer Settings															
Identification				Delay Transfer															
#	Number	Name	Station Type	Delay Trans	Delay Time (s)	Transfer Destination List												Re-Transfer De	
						Station List	Number	No.01	No.02	No.03	No.04	No.05	No.06	No.07	No.08	No.09	No.10	Station List	
0001	4445	IXMV7	IX-MV7-*	Enable	30	Open	4450											Open	

- Schedule Transfer :**

The screenshot shows the 'Schedule Transfer' configuration screen. The left sidebar lists various settings, with 'Schedule Transfer' highlighted. The main area contains a table for station information and transfer settings.

Station Information				Transfer Settings																
Identification				Schedule Transfer																
#	Number	Name	Station Type	Schedule Transfer	Weekly Schedule (Sun) 01												Transfer Destination List			
					Station List	No.01	No.02	No.03											Station List	
0001	4445	IXMV7	IX-MV7-*	Enable	Open	4450														

## 7.2 Screenshots from test lab

**Table View** **Row**     [Related Settings]

**Station View** Number of Notes:3  
 1. Locations must be created in the Location Registry before they can be assigned.  
 2. Station Type cannot be changed once registered. To modify, station must be re-

Station Information				
Identification				
#	Number	Name	Location	Station Type
0001	12116	mv7		IX-MV7-*
0002	12117	dv		IX-DV, IX-DVF(-*)
0003	12118	da		IX-DA
0004	12119	ss2g		IX-SS-2G

**Table View** **Row**     Number of Notes:5  
 1. Unique password recommended for each station.  
 2. Set a strong password that is difficult to guess.

Station Information					Station Information						
Identification					ID and Password						
#	Number	Name	Location	Station Type	Administrator ID	Administrator Password	User ID	User Password	ONVIF ID	ONVIF Password	RTSP ID
0001	12116	mv7		IX-MV7-*	alphone	*****					
0002	12117	dv		IX-DV, IX-DVF(-*)	alphone	*****					
0003	12118	da		IX-DA	alphone	*****					
0004	12119	ss2g		IX-SS-2G	alphone	*****					

**Table View** **Row**     [Related Settings]

**Station View** Text in red are required

Station Information					Station Information	
Identification					Time	
#	Number	Name	Location	Station Type	Time Zone	Daylight Savings
					Select time zone	Enable automatic
0001	12116	mv7		IX-MV7-*	(GMT+01:00) Brussels, Madrid, Copenhagen, Paris	Yes
0002	12117	dv		IX-DV, IX-DVF(-*)	(GMT+01:00) Brussels, Madrid, Copenhagen, Paris	Yes
0003	12118	da		IX-DA	(GMT+01:00) Brussels, Madrid, Copenhagen, Paris	Yes
0004	12119	ss2g		IX-SS-2G	(GMT+01:00) Brussels, Madrid, Copenhagen, Paris	Yes

Table View

Row

Previous

Next

Enter Number

Display

[Related Settings]

Batch IP Address Configuration

Station View

Number of Notes: 1

1. Changing the IP Address, Subnet Mask, IP Version, Static / DHCP will require the station to be re-associated. Once associated, the setting file will also need to be uploaded to the station(s).

Station Information					Network Settings															
Identification					IP Address															
#	Number	Name	Location	Station Type	Hostname	IP Version	Static / DHCP	IPv4 Address				Subnet Mask				Default Gateway				IPv6 Address
								1	2	3	4	1	2	3	4	1	2	3	4	
0001	12116	mv7		IX-MV7-*		IPv4	Static	10	1	4	10	255	255	0	0	10	1	255	254	
0002	12117	dv		IX-DV, IX-DVF(-)		IPv4	Static	10	1	4	11	255	255	0	0	10	1	255	254	
0003	12118	da		IX-DA		IPv4	Static	10	1	4	12	255	255	0	0	10	1	255	254	
0004	12119	ss2g		IX-SS-2G		IPv4	Static	10	1	4	13	255	255	0	0	10	1	255	254	

Table View

Row

Previous

Next

Enter Number

Display

[Move to Related Settings]

SIP Connections

Station View

Number of Notes: 2

1. To set VoIP Phone Volume Adjustment, go to 'Station Settings -> VolumeTone -> Volume -> VoIP Phone Volume Adjustment'.  
2. To set VoIP Phone Call Priority, go to 'Call Settings -> Incoming Call -> VoIP Phone Call Priority'.

Station Information					Network Settings															
Identification					DNS															
#	Number	Name	Location	Station Type	Primary Server								Secondary Server							
					IPv4				IPv6				IPv4				IPv6			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
0001	12116	mv7		IX-MV7-*	10	1	2	15												
0002	12117	dv		IX-DV, IX-DVF(-)	10	1	2	15												
0003	12118	da		IX-DA																
0004	12119	ss2g		IX-SS-2G	10	1	2	15												

Table View

Row

Previous

Next

Enter Number

Display

[Move to Related Settings]

Video Encoder 1

Station View

Number of Notes: 3

1. Items marked [H.264 / AVC] or [Motion-JPEG] apply only to their respective Coding System.  
2. The "Video Encoder 1" RTP End Port should be greater than 90 digits from the RTP Start Port.

Station Information					Network Settings															
Identification					Video															
#	Number	Name	Location	Station Type	Video Encoder 1								Video Encoder 2							
					Video Codec	Resolution	Frame Rate [fps]	Select Profile [H.264 / AVC]	Picture Interval [s]	Bit rate [kbps] [H.264 / AVC]	Select Quality [V]	RTP Start Port	RTP End Port	Second Video Enc	Video Code	Resolution				
0001	12116	mv7		IX-MV7-*								30000	31000							
0002	12117	dv		IX-DV, IX-DVF(-)	H.264(AVC)	640x480(VGA)	15	Main		15	1024	30000	31000	Enable	H.264(AVC)	1280x960(SXVG)				
0003	12118	da		IX-DA	H.264(AVC)	640x480(VGA)	15	Main		15	1024	30000	31000	Enable	H.264(AVC)	320x240(QVGA)				

Table View

Row

Previous

Next

Enter Number

Display

[Move to Related Settings]

Audio

Station View

Number of Notes: 3

1. The Audio 1 RTP End Port should be greater than 210 digits from the RTP Start Port.  
2. The Audio 2 RTP End Port should be greater than 10 digits from the RTP Start Port.

Station Information					Network Settings									
Identification					Audio									
#	Number	Name	Location	Station Type	Audio Codec	Audio RTP Transmission Interval [msec]	RTP Idle Detection Time [sec]	Audio 1 RTP Start Port	Audio 1 RTP End Port	Audio 2 RTP Start Port	Audio 2 RTP End Port	Audio Buffer		
0001	12116	mv7		IX-MV7-*	G.711(A-law)		20	10	20000	21000	22000	23000		
0002	12117	dv		IX-DV, IX-DVF(-)	G.711(A-law)		20	10	20000	21000	22000	23000		
0003	12118	da		IX-DA	G.711(A-law)		20	10	20000	21000	22000	23000		
0004	12119	ss2g		IX-SS-2G	G.711(A-law)		20	10	20000	21000	22000	23000		

Table View

Row

Previous

Next

Enter Number

Display

Station View

Number of Notes: 1

1. Changing VLAN settings will cause station to restart after Update is clicked. This will take a few minutes.

Station Information

Network Settings

IP Address

DNS

SIP

Multicast Address

Video

Audio

Packet Priority

NTP

System Information

Call Settings

#	Station Information				Network Settings					
	Identification				Packet Priority					
	Number	Name	Locati	Station Type	TOS Value (Audio)	TOS Value (Video)	TOS Value (SIP)	VLAN Setting	VLAN ID	VLAN Priority
0001	12116	mv7		IX-MV7-*	0x00	0x00	0x00	Disable	1	0
0002	12117	dv		IX-DV, IX-DVF(-*)	0x00	0x00	0x00	Disable	1	0
0003	12118	da		IX-DA	0x00	0x00	0x00	Disable	1	0
0004	12119	ss2g		IX-SS-2G	0x00		0x00	Disable	1	0

Table View

Row

Previous

Next

Enter Number

Display

Station View

Station Information

Network Settings

IP Address

DNS

SIP

Multicast Address

Video

Audio

Packet Priority

NTP

System Information

Call Settings

#	Station Information				Network Settings							
	Identification				NTP							
	Number	Name	Locati	Station Type	Enable NTP	Synchronization Interval [hour]	Primary Server			Secondary Server		
							Address		Port	Address		Port
							IPv4	IPv6		IPv4	IPv6	
0001	12116	mv7		IX-MV7-*	Yes		1	10.1.6.1		123	10.10.10.11	123
0002	12117	dv		IX-DV, IX-DVF(-*)	Yes		1	10.1.2.15		123		123
0003	12118	da		IX-DA	Yes		1	10.1.2.15		123		123
0004	12119	ss2g		IX-SS-2G	Yes		1	10.1.2.15		123		123

Table View

Row

Previous

Next

Enter Number

Display

Station View

Station Information

Network Settings

System Information

Call Settings

Station Information

Called Stations (Master Station)

Called Stations (Door/Sub Station)

Call Origination

Incoming Call

Option Input / Relay Output Settings

Basic Settings

#	Station Information				Call Settings
	Identification				Station Information
	Number	Name	Locati	Station Type	Call Button Function
0002	12117	dv		IX-DV, IX-DVF(-*)	Call, Answer Call, End Communication
0004	12119	ss2g		IX-SS-2G	Call, Answer Call, End Communication

Table View

Row

Previous

Next

Enter Number

Display

Station View

Call Destination Settings are unnecessary, Master Station can call any station in Address Book.

Table View

Row

Previous

Next

Enter Number

Display

Station View

Station Information

Network Settings

System Information

Call Settings

Station Information

Called Stations (Master Station)

Called Stations (Door/Sub Station)

Call Origination

Incoming Call

Option Input / Relay Output Settings

Basic Settings

#	Station Information				Call Settings
	Identification				Station Information
	Number	Name	Locati	Station Type	Call Button Function
0002	12117	dv		IX-DV, IX-DVF(-*)	Call, Answer Call, End Communication
0004	12119	ss2g		IX-SS-2G	Call, Answer Call, End Communication



**Table View** Row Previous Next Display Column Previous Next Display Group 01 VoIP Phone Registration

**Station View** Number of Notes: 5 1. U = Unicast, M = Multicast (designating "M", multicast IP addresses must be configured for the station(s)).

Station Information  
 Identification  
 # Number Name Local Station Type Total  
 0002 12117 dv IX-DV, IX-DVFI(\*) 1  
 0003 12118 da IX-DA 0  
 0004 12119 ss2g IX-SS-2G 1

Call Settings  
 Called Stations (Door/Sub Stations)  
 Group 01  
 Number / Name / Station Type  
 12116 / mv7 / IX-MV7-\* 12117 / dv / IX-DV, IX-DVFI(\*) 12118 / da / IX-DA 12119 / ss2g / IX-SS-2G 12126 / LinPhone MAC / VoIP 12127 / 8078S / VoIP 12137 / HuntGroupSIP / VoIP 12138 / 8088 SIP / VoIP 12153 / 8038 / VoIP

**Table View** Row Previous Next Display Column Previous Next Display [Display Settings] [Related Settings] Group 10 VoIP Phone Registration

**Station View** Number of Notes: 5 1. U = Unicast, M = Multicast (designating "M", multicast IP addresses must be configured for the station(s)).

Station Information  
 Identification  
 # Number Name Local Station Type Total  
 0002 12117 dv IX-DV, IX-DVFI(\*) 0  
 0003 12118 da IX-DA 1  
 0004 12119 ss2g IX-SS-2G 0

Call Settings  
 Called Stations (Door/Sub Stations)  
 Group 10  
 Number / Name / Station Type  
 12116 / mv7 / IX-MV7-\* 12117 / dv / IX-DV, IX-DVFI(\*) 12118 / da / IX-DA 12119 / ss2g / IX-SS-2G 12126 / LinPhone MAC / VoIP 12127 / 8078S / VoIP Phone 12137 / HuntGroupSIP / VoIP Phone 12138 / 8088 SIP / VoIP Phone 12153 / 8038 / VoIP Phone

**IX Support Tool - [VoIP Phone Registration]**

**VoIP Phone Registration**

Location Registry To delete VoIP Phone, all line items must be blank.  
 Certain characters may not be displayed correctly on IX-MV7-\* due to font type.

**Station List** Text in red are required settings.

#	Number	Name	Location
0001	12126	LinPhone MAC	
0002	12127	8078S	
0003	12137	HuntGroupSIP	
0004	12138	8088 SIP	
0005	12153	8038	
0006	12155	8088APPAmphite	
0007	12226	8068S 12226	
0008			
0009			
0010			
0011			
0012			
0013			

Update Cancel

**Table View** Row Previous Next Display [Display Settings] [Weekly Schedule] [Daily Schedule] Display Range [Move to Related Settings] Call Method

**Station View** Number of Notes: 3 1. IX-SF/MIC can only be set to "Call Button" for Call Origination settings. 2. The schedule is automatically sorted by Start Time after updating.

Station Information  
 Identification  
 # Number Name Local Station Type  
 0001 12116 mv7 IX-MV7-\*  
 0002 12117 dv IX-DV, IX-DVFI(\*)  
 0003 12118 da IX-DA  
 0004 12119 ss2g IX-SS-2G

Call Settings  
 Call Origination  
 Call Button  
 Call Method Ringback Tone Call Timeout Select 10-600 sec Ringback Tone Standard Mode Settings Destination Dwell 1 Destination Dwell 2 Destination Dwell 3 Destination Dwell 4  
 Standard Destination Call Pattern 1 10-600 sec 60 Infinite 01 Normal Normal Normal Normal  
 Standard Destination Call Pattern 1 10-600 sec 60 Infinite 10 Normal Normal Normal Normal  
 Standard Destination Call Pattern 1 10-600 sec 60 Infinite 01 Normal Normal Normal Normal



Table View

Row

Previous

Next

Display

Enter Number

16072020

1

3

Change to Daily Schedule Display

Display settings

[Weekly Schedule]

[Daily Schedule]

Display Range

(Move to Related settings)

Schedule Transfer

Station View

Number of Notes 5

1. IX-MV7-\* can set Max 10 Transfer Destinations and Max 1 Re-Transfer Destination each day of the week.

2. Only 1 transfer destination can be set for IX-MV. Use Transfer Destination List No 01 in "Sun 01".

Option Input / Relay Output Settings

Paging Settings

Function Settings

Door Release

Network Camera Integrat

Paging Settings

Bathroom Call

Email

CGI

SF

Record

Communication Audio Me

Chime

CSR

SSL Certificate

IEEE 802.1X

Display Mode

Bathroom Link

Transfer Settings

Absent Transfer

Delay Transfer

Schedule Transfer

Lock Transfer

Station Information

Transfer Settings

Identification

Schedule Transfer

Weekly Schedule (Sun) 01

Transfer Destination List

Station List

No 01

No 02

No 03

No 04

No 05

No 06

No 07

No 08

No 09

No 10

Re-Transfer Des

Station List

Table View

Row

Previous

Next

Display

Enter Number

Volume

(Move to Related Settings)

Station View

Number of Notes 2

1. For IX-DV, IX-DVF(-), and IX-SSA(-), "Receive" is the setting of the receive volume while communicating. For other stations, "Receive" is the setting of the receive volume while communicating and paging.

2. For IX-DV, IX-DVF(-), and IX-SSA(-), "Paging" is the setting of the receive volume during paging.

Record

Communication Audio Me

Chime

CSR

SSL Certificate

IEEE 802.1X

Display Mode

Bathroom Link

Transfer Settings

Absent Transfer

Delay Transfer

Schedule Transfer

Lock Transfer

Station Settings

Speed Dials / Favorites

Privacy

Volume / Tone

Communication

Station Information

Station Settings

Identification

Volume / Tone

Volume

Transmit

Receive

External Input

External Output

VoIP Phone Volume Adjustment

Ringtone

Paging

Button Feedback

Communication Tim

## Chapter

# 8

# Appendix C: ALE side CONFIGURATION

## 8.1 OXE Management overview

The configuration and management of OmniPCX Enterprise can be done from Console (SSH to OXE then connect as mtcl user and use “mgr” command) or using web Graphical User Interface into a WEB Browser <https://IP@orDNSofOXE> and connect also as mtcl user.

The following screenshots were done using the Web GUI.

## 8.2 SIP Gateway management

The screenshot shows the 'SIP Gateway' configuration page in the OXE web GUI. The left sidebar contains a navigation tree with the following items: **etesting2.etesting.lab**, **Accessment**, **Users**, **Users by profile**, **Set Profile**, **Groups**, **Speed Dialing**, **Phone Book**, **Entities**, **Trunk Groups**, **External Services**, **Inter-Node Links**, **X25**, **DATA**, **Applications**, **Specific Telephone Services**, **ATM**, **Events Routing Discriminator**, **Security and Access Control**, **IP**, **SIP**, **SIP Gateway** (selected), **SIP Proxy**, **SIP Registrar**, **SIP Dictionary**, **SIP Authentication**, **SIP Ext Gateway**, **Quarantined IP Addresses**, **Trusted IP Addresses**, **SIP To CH Error Mapping**, **CH To SIP Error Mapping**, **DHCP Configuration**, **Alcatel-Lucent 889 Series**, **SIP Extension**, **Encryption**, **Passive Com. Server**, **SNMP Configuration**, **Rainbow**, and **Cloud Connect**. The main configuration area on the right includes the following fields: **SIP Subnetwork** (15), **SIP Trunk Group** (1), **IP Address** (10.1.6.1), **Machine name - Host** (etesting2), **SIP Proxy Port Number** (5060), **SIP Subscribe Min Duration** (600), **SIP Subscribe Max Duration** (86400), **Session Timer** (180), **Min Session Timer** (90), **Session Timer Method** (RE\_INVITE), **DNS local domain name** (etesting.lab), **DNS type** (DNS A), **SIP DNS1 IP Address** (10.1.2.15), **SIP DNS2 IP Address** (empty), **SIP in 18x** (checked), **CAC SIP-SIP** (unchecked), **INFO method for remote extension** (unchecked), **RFC3264 in-line** (checked), **Dynamic Payload type for DTMF** (97), and **Overflow Licenses Threshold** (80).

## 8.3 SIP Proxy management

Authentication mode set to SIP Digest:

etesting2.etesting.lab

- Attendant
  - Users
    - Users by profile
    - Set Profile
    - Groups
      - Speed Dialing
      - Phone Book
      - Entities
        - Trunk Groups
        - External Services
        - Inter-Node Links
        - X25
        - DATA
        - Applications
          - Specific Telephone Services
          - ATM
          - Events Routing Discriminator
          - Security and Access Control
          - IP
            - SIP
              - SIP Gateway
              - SIP Proxy**
              - SIP Registrar
              - SIP Dictionary
              - SIP Authentication
              - SIP Ext Gateway
              - Quarantined IP Addresses
              - Trusted IP Addresses
              - SIP To CH Error Mapping

SIP initial time-out: 500

SIP timer T2: 4000

DNS Timer overflow: 5000

Timer TLS: 30

☐ Recursive search

Minimal authentication method

Authentication realm: etesting2.etesting.lab

☐ Only authenticated incoming calls

Framework Period: 3

Framework Nb Message By Period: 255

Framework Quarantine Period: 1800

☐ TCP when long messages

Retransmission number for INVITE: 3

Degraded mode Time To Live: 1800

User Agent Identifier: %

No authentication mode:

etesting2.etesting.lab

- Shelf
  - Media Gateway
  - PWT/DECT System
  - System
    - Translator
    - Classes of Service
    - Attendant
      - Users
        - Users by profile
        - Set Profile
        - Groups
          - Speed Dialing
          - Phone Book
          - Entities
            - Trunk Groups
            - External Services
            - Inter-Node Links
            - X25
            - DATA
            - Applications
              - Specific Telephone Services
              - ATM
              - Events Routing Discriminator
              - Security and Access Control
              - IP
                - SIP
                  - SIP Gateway
                  - SIP Proxy**
                  - SIP Registrar
                  - SIP Dictionary

SIP initial time-out: 500

SIP timer T2: 4000

DNS Timer overflow: 5000

Timer TLS: 30

☐ Recursive search

Minimal authentication method

Authentication realm: etesting2.etesting.lab

☐ Only authenticated incoming calls

Framework Period: 3

Framework Nb Message By Period: 255

Framework Quarantine Period: 1800

☐ TCP when long messages

Retransmission number for INVITE: 3

Degraded mode Time To Live: 1800

User Agent Identifier: %

SIP None

## 8.4 SIP Registrar management

etesting2.etesting.lab

- Attendant
  - Users
    - Users by profile
    - Set Profile
    - Groups
      - Speed Dialing
      - Phone Book
      - Entities
        - Trunk Groups
        - External Services
        - Inter-Node Links
        - X25
        - DATA
        - Applications
          - Specific Telephone Services
          - ATM
          - Events Routing Discriminator
          - Security and Access Control
          - IP
            - SIP
              - SIP Gateway
              - SIP Proxy
              - SIP Registrar**
              - SIP Dictionary

SIP Min Expiration Date: 180

SIP Max Expiration Date: 86400

## 8.5 SIP Trunk Group management

The Trunk Group used into SIP Gateway is number 1.

The screenshots show the configuration interface for SIP Trunk Groups. The top screenshot shows the configuration for Trunk Group ID 1, and the bottom screenshot shows the configuration for Trunk Group ID 2.

**Trunk Group ID 1 Configuration:**

- Trunk Group ID: 1
- Trunk Group Type: T2
- Trunk Group Name: SIP
- UTF-8 Trunk Group Name: (empty)
- Node number: 2
- Transcom Trunk Group: ☐
- Auto.reserve by Attendant: ☐
- Overflow trunk group No.: -1
- Tone on seizure: ☐
- Private Trunk Group: ☐
- Q931 Signal variant: ABC-F
- SS7 Signal variant: No variant
- Number Compatible With: -1
- Number Of Digits To Send: 5
- Channel selection type: Quantified
- Remote Network: 15
- Shared Trunk Group: ☒
- Auto.DTMF dialing on outgoing call: YES
- T2 Specification: SIP
- Homogenous network for direct RTP: NO
- Public Network COS: 31

**Trunk Group ID 2 Configuration:**

- Number Compatible With: -1
- Number Of Digits To Send: 5
- Channel selection type: Quantified
- Remote Network: 15
- Shared Trunk Group: ☒
- Auto.DTMF dialing on outgoing call: YES
- T2 Specification: SIP
- Homogenous network for direct RTP: NO
- Public Network COS: 31
- DD transcoding: ☐
- Special Services: Nothing
- Can support UUS in SETUP: ☒
- Associated Ext SIP gateway: -1
- Activation mode: 0
- Priority Level: 0
- Preempter: NO
- Incoming calls Restriction COS: 10
- Outgoing calls Restriction COS: 10
- Callee number mpt1343: NO
- Overlap dialing: YES
- Call diversion in ISDN: NO

## 8.6 Network Routing table

This table is used to define the protocol to be used by the SIP Trunk, We use the ABC-F protocol for Internal SIP Gateway. Into SIP Gateway, we can see that Network Number is 15.

etesting2.etesting.lab

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Prefix Plan
- Suffix Plan
- Numbering Plan
- PIN (Personal Ident.No.)
- Private Call Profile
- External Numbering Plan
- Network Routing Table
  - 15 \* 1 \* ABC F \* 35 \* 0
- Automatic Route Selection
- Filtered Called Number
- ATM Address List
- Classes of Service
- Attendant
- Users
  - 12116 \* IX-MV7 \* 12116 \* SIP extension
- Users by profile
- Set Profile
- Groups
- Speed Dialing

Network Number: 15

Rank of First Digit to be Sent: 1

Incoming identification prefix: ABC\_F

Protocol Type: 35

Numbering Plan Descriptor ID: 0

ARS Route list: -1

Schedule number: -1

ATM Address ID: -1

Network call prefix: ABC\_F T2

City/Town Name: -1

☐ Send City/Town Name

Associated Ext SIP gateway: ☒ Enable UTF8 name sending

## 8.7 Users management

### 8.7.1 IX-MV7, 12116

etesting2.etesting.lab

[+ Create](#) [X Delete](#) [FORCED DELETE](#) [Memory Re-initialization](#)

**General Characteristics**

PIN: 12116

Assoc.Sets: IX-MV7

Rights: 12116

Profile: UTF-8 Directory Name

VoiceMail: UTF-8 Directory First Name

Facilities: Location Node: 2

Set Characteristics: Shelf Address: 255

Hotel: Board Address: 255

SIP: Equipment Address: 255

Miscellaneous: Set Type: SIP extension

Other: Sub type: Default

Entity Number: 1

Set Function: Default

Domain Identifier: 0

Language ID: 2

Secret Code: \*\*\*\*

Multi-line station: YES

Can be Called/Dialed By Name: YES

Phone book Name (Dial by name): IX-MV7

Phone book First Name: 12116

Displayed Name: IX-MV7 12116

etesting2.etesting.lab

[+ Create](#) [X Delete](#) [FORCED DELETE](#) [Memory Re-initialization](#)

**General Characteristics**

PIN: 12116

Assoc.Sets: SIP URL Domain: etesting2

Rights: SIP Authentication: 12116

Profile: SIP Passwd: \*\*\*\*

VoiceMail: Video Support Profile: On Demand

Facilities: Set Characteristics

etesting2.etesting.lab

[+ Create](#) [X Delete](#) [FORCED DELETE](#) [Memory Re-initialization](#)

**General Characteristics**

PIN: 12116

Assoc.Sets: Cost Center ID: 255

Rights: Cost Center Name: Justified

Profile: Public Network COS: 2

VoiceMail: External Forwarding COS: 255

Facilities: Phone Features COS: 0

Set Characteristics: Connection COS: 0

Hotel: Calls Priority: 0

SIP: Miscellaneous

Other: DATA

### Rights and Classes of Services (COS)

etesting2.etesting.lab

[+ Create](#) [X Delete](#) [FORCED DELETE](#) [Memory Re-initialization](#)

**General Characteristics**

PIN: 12116

Assoc.Sets: Cost Center ID: 255

Rights: Cost Center Name: Justified

Profile: Public Network COS: 2

VoiceMail: External Forwarding COS: 255

Facilities: Phone Features COS: 0

Set Characteristics: Connection COS: 0

Hotel: Calls Priority: 0

SIP: Miscellaneous

Other: DATA

## Voice mail attribution

etesting2.etesting.lab

+ Create X Delete

FORCED DELETE Memory Re-initialization

General Characteristics

Voice Mail Dir.No. 12999

Voice Mail Type 4645

4645 Voice Mail Type Standard

4645 Class of Service 1

## 8.7.2 IX-DV, 12117

etesting2.etesting.lab

+ Create X Delete

FORCED DELETE Memory Re-initialization

General Characteristics

Directory Number 12117

Directory name IX-DV

Directory First Name 12117

UTF-8 Directory Name

UTF-8 Directory First Name

Location Node 2

Shelf Address 255

Board Address 255

Equipment Address 255

Set Type SIP device

Sub type Default

Entity Number 1

Set Function Default

Domain Identifier 0

Language ID 1

Secret Code \*\*\*\*

Multi-line station NO

Can be Called/Dialed By Name YES

Phone book Name (Dial by name) IX-DV

Phone book First Name 12117

Displayed Name IX-DV 12117

etesting2.etesting.lab

+ Create X Delete

FORCED DELETE Memory Re-initialization

General Characteristics

URL UserName 12117

SIP URL Domain etesting2

SIP Authentication 12117

SIP Passwd \*\*\*\*

External Gateway Number -1

Gateway type Not Used

Video Support Profile On Demand

Support UTF8 characters set NO



## 8.7.3 IX-DA, 12118

etesting2.etesting.lab

+ Create X Delete

FORCED DELETE Memory Re-initialization

General Characteristics

Directory Number

12118

Directory name IX-DA

Directory First Name 12118

UTF-8 Directory Name

UTF-8 Directory First Name

Location Node 2

Shelf Address 255

Board Address 255

Equipment Address 255

Set Type SIP device

Sub type Default

Entity Number 1

Set Function Default

Domain Identifier 0

Language ID 1

Secret Code

Multi-line station NO

Can be Called/Dialed By Name YES

Phone book Name (Dial by name) IX-DA

Phone book First Name 12118

Displayed Name IX-DA 12118

etesting2.etesting.lab

+ Create X Delete

FORCED DELETE Memory Re-initialization

General Characteristics

URL UserName 12118

SIP URL Domain etesting2

SIP Authentication 12118

SIP Password

External Gateway Number -1

Gateway type Not Used

Video Support Profile On Demand

Support UTF8 characters set NO

## 8.7.4 IX-SS-2G, 12119

etesting2.etesting.lab

+ Create X Delete

FORCED DELETE Memory Re-initialization

General Characteristics

Directory Number

12119

Directory name IX-SS-2G

Directory First Name 12119

UTF-8 Directory Name

UTF-8 Directory First Name

Location Node 2

Shelf Address 255

Board Address 255

Equipment Address 255

Set Type SIP device

Sub type Default

Entity Number 1

Set Function Default

Domain Identifier 0

Language ID 1

Secret Code

Multi-line station NO

Can be Called/Dialed By Name YES

Phone book Name (Dial by name) IX-SS-2G

Phone book First Name 12119

Displayed Name IX-SS-2G 12119

## 8.8 Hunting Group

The type of Hunt group can be Circular, Sequential and Parallel (not used with Multiline stations, SIP Extension is Multiline).

## 8.9 Twin Sets

The screenshot shows the configuration interface for a set in the eTesting2 system. The left sidebar lists various configuration categories, with 'Users' selected. The main area displays the configuration for a set with the directory number 12127. The 'Tandem' section is expanded, showing the 'Main set in the tandem' checkbox checked. Other fields include 'Associated Set No.' (12127), 'Called Associated DECT set', 'Assistant Directory Number' (12127), 'Tandem Directory Number' (12116), 'Partial busy' (unchecked), 'Ringing in partial busy' (Long Ring), and 'Specific supervision' (unchecked). The 'ATTACHED MULTIDEVICE' section is also visible at the bottom.

## 8.10 OXE Licensing

To check the licensing locks from OPS file, use “spadmin” command into console ssh.

Lock **177 M SIP users= xx** - Should be set with right value to create all SIP terminals.

## 8.11 Additional information

### 8.11.1 DNS query from IX stations to DNS server to know IP address of etesting2.etesting.lab

|      |          |           |           |         |     |  |
|------|----------|-----------|-----------|---------|-----|--|
| 3367 | 9.062808 | 10.1.4.10 | 10.1.2.15 | DNS     | 82  | Standard query 0x22dc A etesting2.etesting.lab                     |
| 3368 | 9.088265 | 10.1.2.15 | 10.1.4.10 | DNS     | 120 | Standard query response 0x22dc A etesting2.etesting.lab A 10.1.6.1 |
| 3371 | 9.104963 | 10.1.4.10 | 10.1.6.1  | SIP/SOP | 984 | Request: INVITE sip:122316@10.1.6.1                                |
| 3372 | 9.125758 | 10.1.6.1  | 10.1.4.10 | SIP     | 297 | Status: 100 Trying   |
| 3373 | 9.144825 | 10.1.6.1  | 10.1.4.10 | SIP     | 469 | Status: 404 Not Found  |
| 3380 | 9.265512 | 10.1.4.10 | 10.1.2.15 | DNS     | 82  | Standard query 0xdcf6 A etesting2.etesting.lab                     |
| 3382 | 9.289742 | 10.1.2.15 | 10.1.4.10 | DNS     | 98  | Standard query response 0xdcf6 A etesting2.etesting.lab A 10.1.6.1 |
| 3389 | 9.398733 | 10.1.6.3  | 10.1.4.10 | RTP     | 294 | PT=ITU-T G.711 PCMA, SSRC=0x0f890156, Seq=61217, Time=262706160    |
| 3390 | 9.399614 | 10.1.4.10 | 10.1.6.3  | ICMP    | 322 | Destination unreachable (Port unreachable)                         |

> Frame 3368: 120 bytes on wire (960 bits), 120 bytes captured (960 bits) on interface \Device\NPF\_{8A862B12-7DA4-4A9C-B8E7-C15B47A413C2}, id 0  
 > Ethernet II, Src: HewlettP\_d4:52:92 (c8:cb:b8:d4:52:92), Dst: Aiphone\_30:14:ea (00:0b:aa:30:14:ea)  
 > Internet Protocol Version 4, Src: 10.1.2.15, Dst: 10.1.4.10  
 > User Datagram Protocol, Src Port: 53, Dst Port: 40577  
 > Domain Name System (response)  
   Transaction ID: 0x22dc  
   Flags: 0x8400 Standard query response, No error  
   Questions: 1  
   Answer RRs: 1  
   Authority RRs: 0  
   Additional RRs: 0  
 > Queries  
 > Answers  
   > etesting2.etesting.lab: type A, class IN, addr 10.1.6.1  
   [Request In: 3367]  
   [Time: 0.025457000 seconds]

### 8.11.2 NTP Query from MV7 to OXE CS

|      |              |           |           |     |    |                       |
|------|--------------|-----------|-----------|-----|----|-----------------------|
| 1262 | 32423.014639 | 10.1.4.10 | 10.1.6.1  | NTP | 90 | NTP Version 4, client |
| 1262 | 32423.036196 | 10.1.6.1  | 10.1.4.10 | NTP | 90 | NTP Version 4, server |
| 1262 | 32425.012138 | 10.1.4.10 | 10.1.6.1  | NTP | 90 | NTP Version 4, client |
| 1262 | 32425.036001 | 10.1.6.1  | 10.1.4.10 | NTP | 90 | NTP Version 4, server |
| 1262 | 32427.011411 | 10.1.4.10 | 10.1.6.1  | NTP | 90 | NTP Version 4, client |
| 1262 | 32427.044959 | 10.1.6.1  | 10.1.4.10 | NTP | 90 | NTP Version 4, server |
| 1262 | 32429.011498 | 10.1.4.10 | 10.1.6.1  | NTP | 90 | NTP Version 4, client |
| 1262 | 32429.035855 | 10.1.6.1  | 10.1.4.10 | NTP | 90 | NTP Version 4, server |

> Frame 1262315: 90 bytes on wire (720 bits), 90 bytes captured (720 bits) on interface \Device\NPF\_{8A862B12-7DA4-4A9C-B8E7-C15B47A413C2}, id 0  
 > Ethernet II, Src: Aiphone\_30:14:ea (00:0b:aa:30:14:ea), Dst: VMware\_f1:90:33 (00:0c:29:f1:90:33)  
 > Internet Protocol Version 4, Src: 10.1.4.10, Dst: 10.1.6.1  
 > User Datagram Protocol, Src Port: 123, Dst Port: 123  
 > Network Time Protocol (NTP Version 4, client)  
   Flags: 0xe3, Leap Indicator: unknown (clock unsynchronized), Version number: NTP Version 4, Mode: client  
     11... = Leap Indicator: unknown (clock unsynchronized) (3)  
     ..10 0... = Version number: NTP Version 4 (4)  
     ....011 = Mode: client (3)  
   [Response In: 1262316]  
   Peer Clock Stratum: unspecified or invalid (0)  
   Peer Polling Interval: invalid (3)  
   Peer Clock Precision: 0.015625 seconds  
   Root Delay: 1.000000 seconds  
   Root Dispersion: 1.000000 seconds  
   Reference ID: NULL  
   Reference Timestamp: NULL  
   Origin Timestamp: NULL  
   Receive Timestamp: NULL  
   Transmit Timestamp: Jul 15, 2020 15:38:05.024262668 UTC

```

1262315 32423.014639 10.1.4.10 10.1.6.1 NTP 90 NTP Version 4, client
1262316 32423.036196 10.1.6.1 10.1.4.10 NTP 90 NTP Version 4, server
1262368 32425.012138 10.1.4.10 10.1.6.1 NTP 90 NTP Version 4, client
1262369 32425.036001 10.1.6.1 10.1.4.10 NTP 90 NTP Version 4, server
1262400 32427.011411 10.1.4.10 10.1.6.1 NTP 90 NTP Version 4, client
1262401 32427.044959 10.1.6.1 10.1.4.10 NTP 90 NTP Version 4, server
1262449 32429.011498 10.1.4.10 10.1.6.1 NTP 90 NTP Version 4, client
1262450 32429.035855 10.1.6.1 10.1.4.10 NTP 90 NTP Version 4, server

```

> Frame 1262450: 90 bytes on wire (720 bits), 90 bytes captured (720 bits) on interface \Device\NPF\_{8A862B12-7DA4-4A9C-B8E7-C15B47A413C2}, id 0  
> Ethernet II, Src: VMware\_f1:90:33 (00:0c:29:f1:90:33), Dst: Aiphone\_30:14:ea (00:0b:aa:30:14:ea)  
> Internet Protocol Version 4, Src: 10.1.6.1, Dst: 10.1.4.10  
> User Datagram Protocol, Src Port: 123, Dst Port: 123  
▼ Network Time Protocol (NTP Version 4, server)  
 Flags: 0x24, Leap Indicator: no warning, Version number: NTP Version 4, Mode: server  
 00.. .... = Leap Indicator: no warning (0)  
 ..10 0... = Version number: NTP Version 4 (4)  
 .... .100 = Mode: server (4)  
 [Request In: 1262449]  
 [Delta Time: 0.024357000 seconds]  
 Peer Clock Stratum: secondary reference (6)  
 Peer Polling Interval: invalid (3)  
 Peer Clock Precision: 0.000002 seconds  
 Root Delay: 0.000000 seconds  
 Root Dispersion: 7.947952 seconds  
 Reference ID: 127.127.1.0  
 Reference Timestamp: Jul 15, 2020 15:37:15.401300150 UTC  
 Origin Timestamp: Jul 15, 2020 15:38:11.024076425 UTC  
 Receive Timestamp: Jul 15, 2020 15:37:47.793076252 UTC  
 Transmit Timestamp: Jul 15, 2020 15:37:47.793204331 UTC

### 8.11.3 NTP query from IX-SS-2G

```

1262820 32441.907371 10.1.4.13 10.1.2.15 NTP 90 NTP Version 4, client
1262822 32441.931768 10.1.2.15 10.1.4.13 NTP 90 NTP Version 3, server
1262858 32443.907236 10.1.4.13 10.1.2.15 NTP 90 NTP Version 4, client
1262859 32443.931787 10.1.2.15 10.1.4.13 NTP 90 NTP Version 3, server
1262896 32445.907241 10.1.4.13 10.1.2.15 NTP 90 NTP Version 4, client
1262897 32445.933861 10.1.2.15 10.1.4.13 NTP 90 NTP Version 3, server

```

> Frame 1262820: 90 bytes on wire (720 bits), 90 bytes captured (720 bits) on interface \Device\NPF\_{8A862B12-7DA4-4A9C-B8E7-C15B47A413C2}, id 0  
> Ethernet II, Src: Aiphone\_2c:0e:32 (00:0b:aa:2c:0e:32), Dst: HewlettP\_d4:52:92 (c8:cb:b8:d4:52:92)  
> Internet Protocol Version 4, Src: 10.1.4.13, Dst: 10.1.2.15  
> User Datagram Protocol, Src Port: 123, Dst Port: 123  
▼ Network Time Protocol (NTP Version 4, client)  
 Flags: 0xe3, Leap Indicator: unknown (clock unsynchronized), Version number: NTP Version 4, Mode: client  
 11.. .... = Leap Indicator: unknown (clock unsynchronized) (3)  
 ..10 0... = Version number: NTP Version 4 (4)  
 .... .011 = Mode: client (3)  
 [Response In: 1262822]  
 Peer Clock Stratum: unspecified or invalid (0)  
 Peer Polling Interval: invalid (3)  
 Peer Clock Precision: 0.015625 seconds  
 Root Delay: 1.000000 seconds  
 Root Dispersion: 1.000000 seconds  
 Reference ID: NULL  
 Reference Timestamp: NULL  
 Origin Timestamp: NULL  
 Receive Timestamp: NULL  
 Transmit Timestamp: Jan 7, 2018 19:40:39.562570116 UTC

```

1262820 32441.907371 10.1.4.13 10.1.2.15 NTP 90 NTP Version 4, client
1262822 32441.931768 10.1.2.15 10.1.4.13 NTP 90 NTP Version 3, server
1262858 32443.907236 10.1.4.13 10.1.2.15 NTP 90 NTP Version 4, client
1262859 32443.931787 10.1.2.15 10.1.4.13 NTP 90 NTP Version 3, server
1262896 32445.907241 10.1.4.13 10.1.2.15 NTP 90 NTP Version 4, client
1262897 32445.933861 10.1.2.15 10.1.4.13 NTP 90 NTP Version 3, server

```

> Frame 1262820: 90 bytes on wire (720 bits), 90 bytes captured (720 bits) on interface \Device\NPF\_{8A862B12-7DA4-4A9C-B8E7-C15B47A413C2}, id 0  
> Ethernet II, Src: Aiphone\_2c:0e:32 (00:0b:aa:2c:0e:32), Dst: HewlettP\_d4:52:92 (c8:cb:b8:d4:52:92)  
> Internet Protocol Version 4, Src: 10.1.4.13, Dst: 10.1.2.15  
> User Datagram Protocol, Src Port: 123, Dst Port: 123  
▼ Network Time Protocol (NTP Version 4, client)  
 Flags: 0xe3, Leap Indicator: unknown (clock unsynchronized), Version number: NTP Version 4, Mode: client  
 11.. .... = Leap Indicator: unknown (clock unsynchronized) (3)  
 ..10 0... = Version number: NTP Version 4 (4)  
 .... .011 = Mode: client (3)  
 [Response In: 1262822]  
 Peer Clock Stratum: unspecified or invalid (0)  
 Peer Polling Interval: invalid (3)  
 Peer Clock Precision: 0.015625 seconds  
 Root Delay: 1.000000 seconds  
 Root Dispersion: 1.000000 seconds  
 Reference ID: NULL  
 Reference Timestamp: NULL  
 Origin Timestamp: NULL  
 Receive Timestamp: NULL  
 Transmit Timestamp: Jan 7, 2018 19:40:39.562570116 UTC

### 8.11.4 SIP Server configuration for all 4 IX stations

| #    | Station Information |      |     |                   | Network Settings |       |                    |         |      |                  |          |              |          |      |                 |          | Text in red are required settings. |  |  |  |  |  |
|------|---------------------|------|-----|-------------------|------------------|-------|--------------------|---------|------|------------------|----------|--------------|----------|------|-----------------|----------|------------------------------------|--|--|--|--|--|
|      | Identification      |      |     |                   | SIP              |       |                    |         |      |                  |          |              |          |      |                 |          |                                    |  |  |  |  |  |
|      | Number              | Name | Loc | Station Type      | Primary Server   |       |                    |         |      | Secondary Server |          |              |          |      | Tertiary Server |          |                                    |  |  |  |  |  |
|      |                     |      |     |                   | ID               | Passw | IPv4 Address       | IPv6 Ac | Port | ID               | Password | IPv4 Address | IPv6 Add | Port | ID              | Password | IPv4 Address                       |  |  |  |  |  |
| 0001 | 12116               | mv7  |     | IX-MV7-*          | 12116            | ****  | etesting2.etesting |         | 5060 | 12116            | ****     | 10.10.11.20  |          | 5060 |                 |          |                                    |  |  |  |  |  |
| 0002 | 12117               | dv   |     | IX-DV, IX-DVF(-*) | 12117            | ****  | etesting2.etesting |         | 5060 | 12117            | ****     | 10.10.11.20  |          | 5060 |                 |          |                                    |  |  |  |  |  |
| 0003 | 12118               | da   |     | IX-DA             | 12118            | ****  | 10.1.6.1           |         | 5060 | 12118            | ****     | 10.10.10.11  |          | 5060 | 12118           | ****     | 10.10.11.20                        |  |  |  |  |  |
| 0004 | 12119               | ss2g |     | IX-SS-2G          | 12119            | ****  | etesting2.etesting |         | 5060 | 12119            | ****     | 10.10.11.20  |          | 5060 |                 |          |                                    |  |  |  |  |  |

### 8.11.5 Call settings for Group01 (DV and SS-2G)

| #    | Station Information |      |     |                   | Total | Call Settings                       |                            |  |                                   | Text in red are required settings. |                               |  |  |
|------|---------------------|------|-----|-------------------|-------|-------------------------------------|----------------------------|--|-----------------------------------|------------------------------------|-------------------------------|--|--|
|      | Identification      |      |     |                   |       | Called Stations (Door/Sub Stations) |                            |  |                                   |                                    |                               |  |  |
|      | Number              | Name | Loc | Station Type      |       | Group 01                            |                            |  |                                   |                                    |                               |  |  |
|      |                     |      |     |                   |       | Number / Name / Station Type        |                            |  |                                   |                                    |                               |  |  |
|      |                     |      |     |                   |       | oIP Phone                           | 12127 / 8078S / VoIP Phone |  | 12137 / HuntGroupSIP / VoIP Phone |                                    | 12138 / 8088 SIP / VoIP Phone |  |  |
| 0002 | 12117               | dv   |     | IX-DV, IX-DVF*(-) | 1     |                                     |                            |  |                                   | U                                  |                               |  |  |
| 0003 | 12118               | da   |     | IX-DA             | 0     |                                     |                            |  |                                   |                                    |                               |  |  |
| 0004 | 12119               | ss2g |     | IX-SS-2G          | 1     |                                     | U                          |  |                                   |                                    |                               |  |  |

IX-DA is into Group 10.

### 8.11.6 IX Transfers configured in IX Support Tool

These transfer are only for calls between IX stations and IX-MV7 using the proprietary protocol (Unicast) and not for SIP PBX calls from OXE phones or IX stations using SIP PBX to call MV7 (SIP in Call Settings).

Table View

Station View

Row

PreviousNext

Enter Number

Display

Number of Notes:2

1. IX-MV7-\* can set Max 10 Transfer Destinations and Max. 1 Re-Transfer Destination.

2. IX-MV can set Max 1 Transfer Destination.

Station Information

Transfer Settings

Text in red are required settings.

#

Identification

Delay Transfer

Transfer Destination List

Re-Transfer De

Number

Name

Loc

Station Type

Delay Transfer

Delay Time [sec]

Station List

Number

Station List

0001

12116

mv7

IX-MV7-\*

Enable

10

Open

12126

Open

| #    | Station Information |      |     |                  | Total | Call Settings                       |  |  |       |
|------|---------------------|------|-----|------------------|-------|-------------------------------------|--|--|-------|
|      | Identification      |      |     |                  |       | Called Stations (Door/Sub Stations) |  |  |       |
|      | Number              | Name | Loc | Station Type     |       | Group 01                            |  |  |       |
|      |                     |      |     |                  |       | Number / Name / Station Type        |  |  |       |
| 0002 | 12117               | dv   |     | IX-DV, IX-DVF(-) | 1     | 12116 / mv7 / IX-MV7-*              |  |  | 12117 |
| 0003 | 12118               | da   |     | IX-DA            | 0     |                                     |  |  |       |
| 0004 | 12119               | ss2g |     | IX-SS-2G         | 1     | SIP                                 |  |  |       |
|      |                     |      |     |                  |       | U                                   |  |  |       |
|      |                     |      |     |                  |       | SIP                                 |  |  |       |