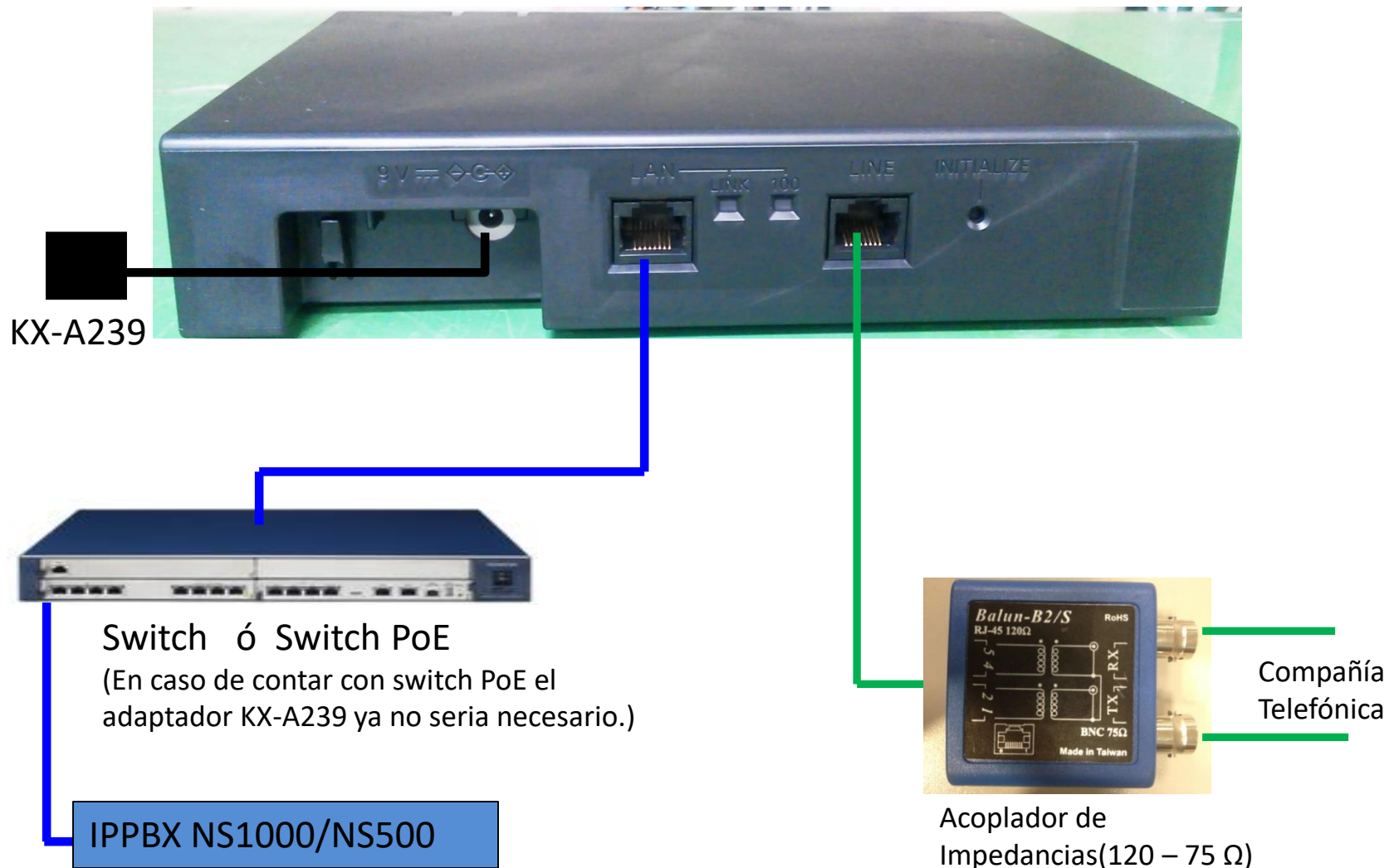


Guía de configuración del módulo para E1 modelo KX-NS8188

Diagrama de Conexión

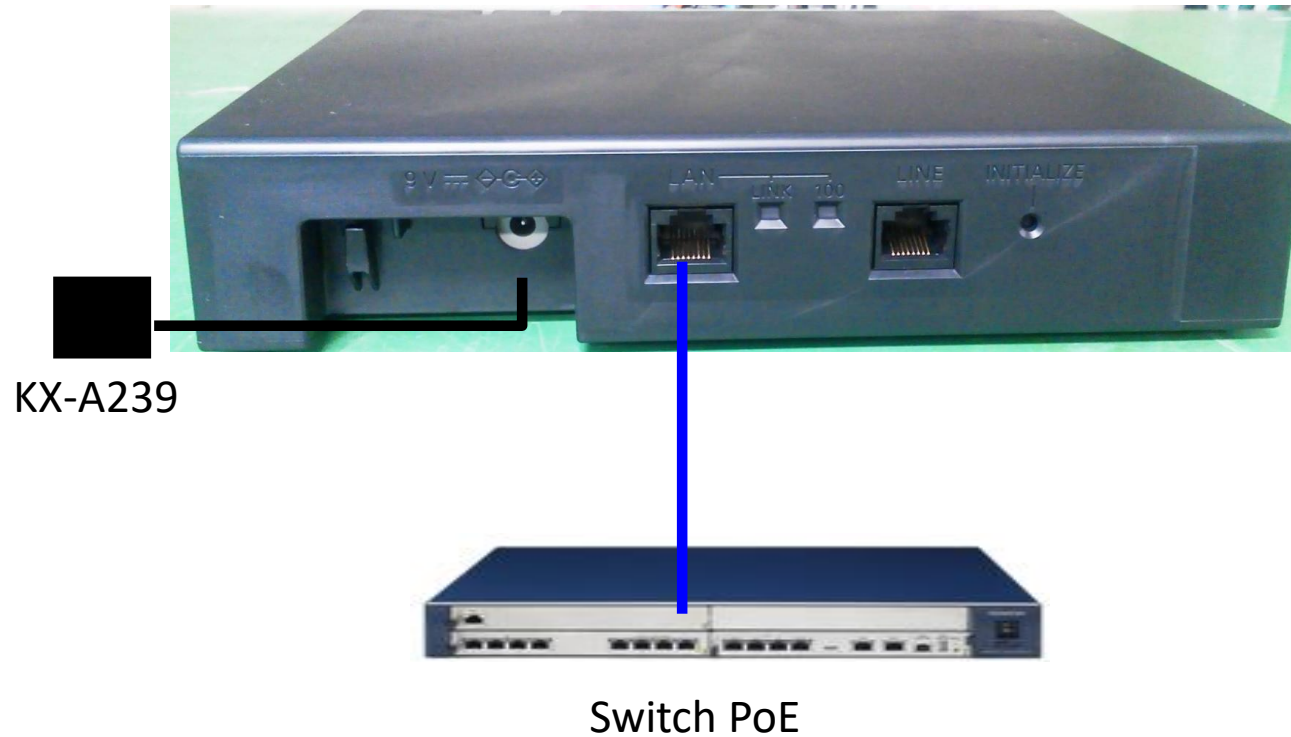


1 – Si el modulo es: nuevo, ya ha tenido una configuración previa o acaba de ser actualizado se recomienda regresarlo a sus valores por default. El procedimiento es el siguiente:

- Con el modulo NS8188 apagado presionar el botón de INITIALIZE que se encuentra en la parte posterior.



- Sin soltar el botón INITIALIZE encender el modulo, ya sea usando el adaptador de CA (KX- A239) o a través del puerto LAN a un switch con PoE



•Después de encenderlo debemos estar muy atentos ya que el led de SYSTEM primeramente va a estar encendido(en color naranja) y al cabo de unos 3 seg. aproximadamente va a empezar a parpadear en este momento es cuando debemos soltar el botón INITIALIZE. Después de hacer esto el sistema empieza su proceso de arranque a valores de fábrica. Cuando el led de SYSTEM quede fijo en rojo ya termino este proceso.

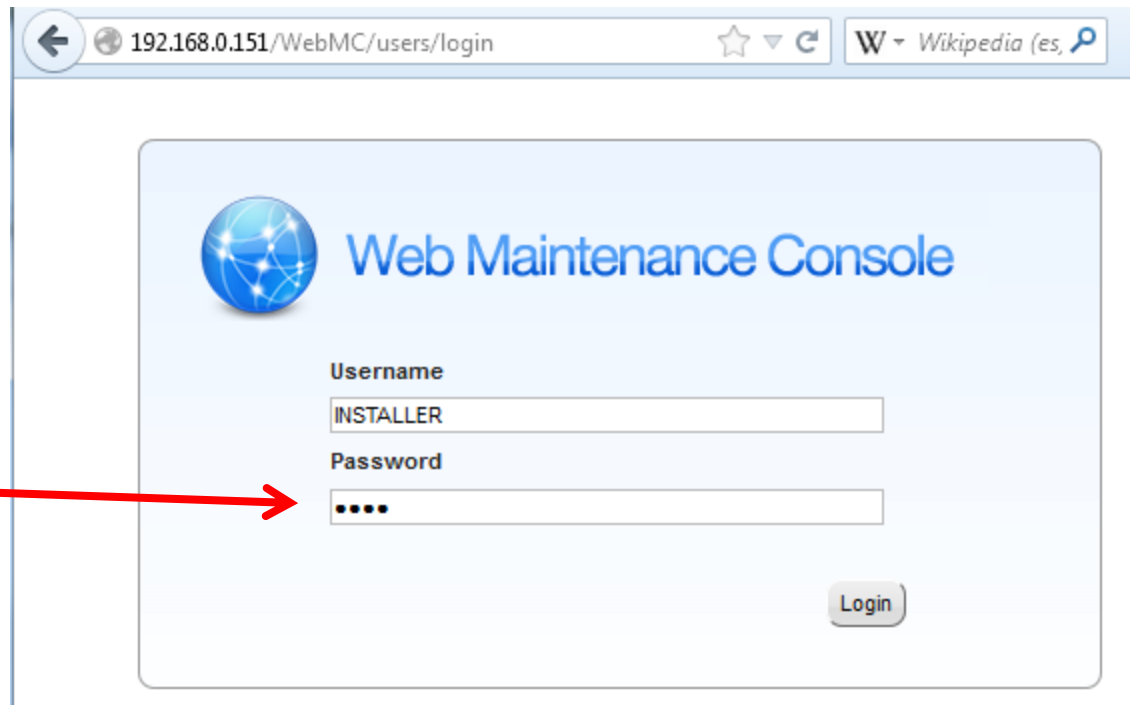


2 – Conectar el equipo al Switch o directo a una PC (en caso de haberlo encendido con le adaptador de CA) y conectarnos a administración del modulo a través de un navegador de internet(de preferencia Firefox) usando la IP de fabrica la cual es 192.168.0.151.

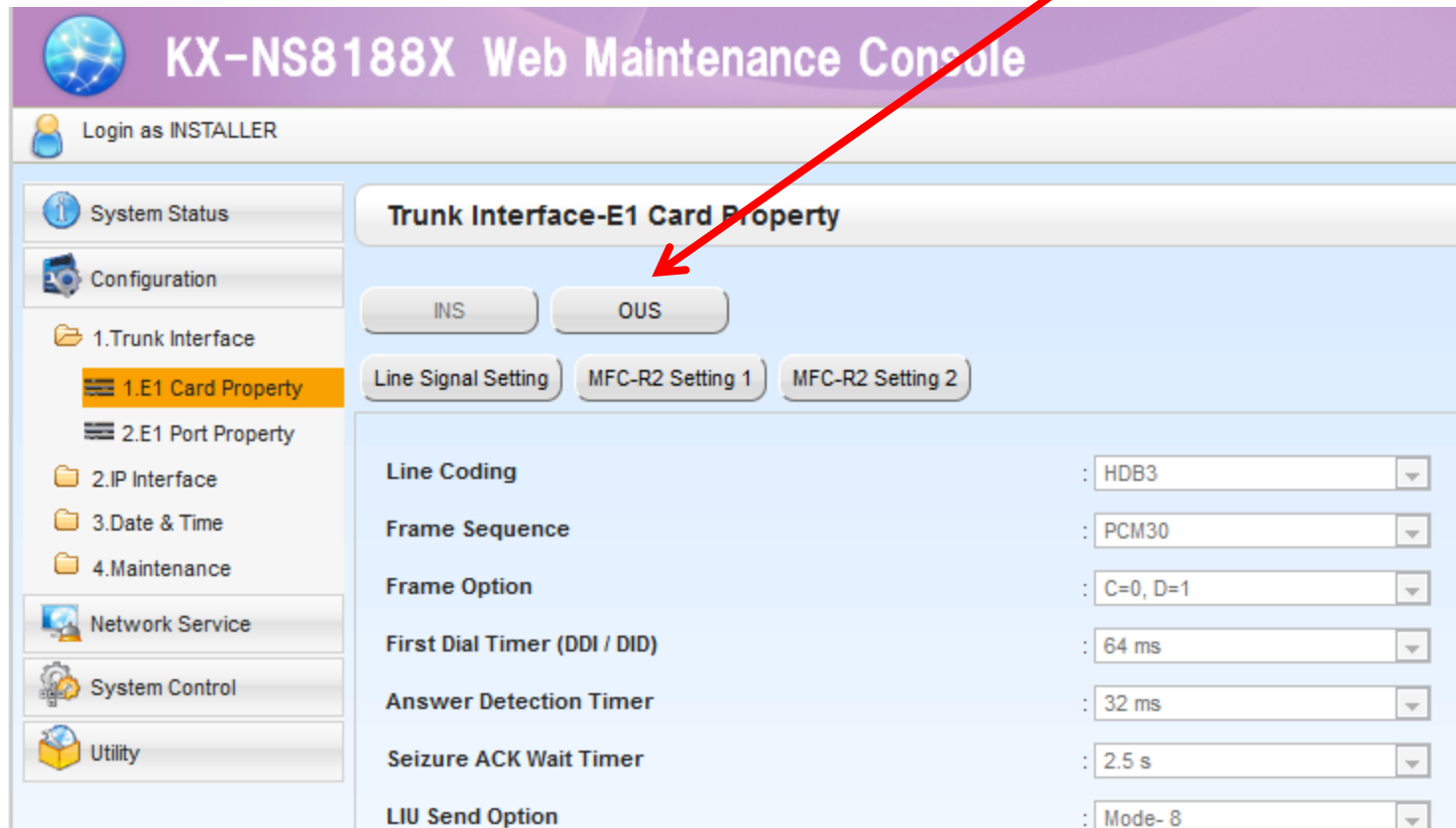


Switch

Password: 1234



3 – Primeramente vamos a programar la parte de DR2 para lo cual hay que poner esta parte del modulo fuera de servicio. Entramos al menú Configuration – 1.Trunk Interface – 1.E1 Card Property y damos click en OUS.



The screenshot displays the 'KX-NS8188X Web Maintenance Console' interface. At the top, it shows 'Login as INSTALLER'. The left sidebar contains a navigation menu with categories: System Status, Configuration, Network Service, System Control, and Utility. Under 'Configuration', there are sub-items: 1.Trunk Interface, 1.E1 Card Property (highlighted), 2.E1 Port Property, 2.IP Interface, 3.Date & Time, and 4.Maintenance. The main content area is titled 'Trunk Interface-E1 Card Property' and features several buttons: 'INS', 'OUS' (indicated by a red arrow), 'Line Signal Setting', 'MFC-R2 Setting 1', and 'MFC-R2 Setting 2'. Below these buttons, a list of configuration parameters is shown, each with a dropdown menu:

Line Coding	:	HDB3
Frame Sequence	:	PCM30
Frame Option	:	C=0, D=1
First Dial Timer (DDI / DID)	:	64 ms
Answer Detection Timer	:	32 ms
Seizure ACK Wait Timer	:	2.5 s
LIU Send Option	:	Mode- 8

4- Entrar a la opción 2. E1 Port Property y configurar los campos con los valores que se muestran en círculos rojos.

System Status

Configuration

- 1.Trunk Interface
 - 1.E1 Card Property
 - 2.E1 Port Property**
 - 2.IP Interface
 - 3.Date & Time
 - 4.Maintenance

Trunk Interface-E1 Port Property

CH	Connection	Channel Type	CO Dial Mode	E1 Receiver Type	Receive Digits
1	ALL	ALL	ALL	ALL	ALL
2	OUS	DR2	MFC-R2	MFC-R2	4
3	OUS	Undefined	DTMF	Undefined	3
4	OUS	Undefined	DTMF	Undefined	3
5	OUS	Undefined	DTMF	Undefined	3

System Status

Configuration

- 1.Trunk Interface
 - 1.E1 Card Property
 - 2.E1 Port Property**
 - 2.IP Interface
 - 3.Date & Time
 - 4.Maintenance

Trunk Interface-E1 Port Property

	CPC Detection Time-In	DTMF Width	Ringback Tone to Outside Caller	Answer Wait Time (*60s)	Pause Time	Flash Time	Disconnect Time
1	ALL	ALL	ALL	ALL	ALL	ALL	ALL
2	160 ms	80 ms	Enable	1	1.5 s	608 ms	1.5 s
3	160 ms	80 ms	Enable	None	1.5 s	608 ms	1.5 s
4	160 ms	80 ms	Enable	None	1.5 s	608 ms	1.5 s
5	160 ms	80 ms	Enable	None	1.5 s	608 ms	1.5 s



5 –Después de haber modificado dichos campos vamos a dar click sobre el icono que se encuentra en la parte inferior de esta pantalla (verificar que se tenga seleccionado el CH1 en color naranja). En la parte izquierda de la pantalla que nos aparecerá es **MUY IMPORTANTE** seleccionar sola y exclusivamente los canales que se vayan a contratar (confirmar esto con el Carrier o cliente final) y en la parte derecha seleccionar los campos mostrados en la imagen. Después de esto damos click en COPY.

CH	Connection	Channel Type	CO Dial Mode	E1 Receiver Type	Receive Digits
1	OUS	DR2	MFC-R2	MFC-R2	4
2	OUS	Undefined	DTMF	Undefined	3
3	OUS	Undefined	DTMF		
4	OUS	Undefined	DTMF		
5	OUS	Undefined	DTMF		
6	OUS	Undefined	DTMF		
7	OUS	Undefined	DTMF		
8	OUS	Undefined	DTMF		
9	OUS	Undefined	DTMF		
10	OUS	Undefined	DTMF		
11	OUS	Undefined	DTMF		
12	OUS	Undefined	DTMF		
13	OUS	Undefined	DTMF		
14	OUS	Undefined	DTMF		
15	OUS	Undefined	DTMF		
16	OUS	Undefined	DTMF		

Copy

Copy From: CH : 1

Copy To: CH : 2, CH : 3, CH : 4, CH : 5, CH : 6, CH : 7, CH : 8, CH : 9, CH : 10, CH : 11, CH : 12, CH : 13, CH : 14, CH : 15, CH : 16, CH : 17, CH : 18, CH : 19, CH : 20, CH : 21, CH : 22

Items

- ChannelType : DR2
- CO DialMode : MFC-R2
- E1 ReceiverType : MFC-R2
- ReceiveDigits : 4
- CPC DetectionTime-Out : 160 ms
- CPC DetectionTime-In : 160 ms
- DTMFWidth : 80 ms
- Ringback Tone to Outside Caller : Enable
- AnswerWait Time (*60s) : 1
- PauseTime : 1.5 s
- FlashTime : 300 ms
- DisconnectTime : 1.5 s

3 SOLO SELECCIONAR LA CANTIDAD DE CANLES CONTRATADOS

5

Copy Cancel

6 – Nos va a regresar a la ventana anterior en la cual ya vemos configurados todos los canales previamente seleccionados. Damos click en OK

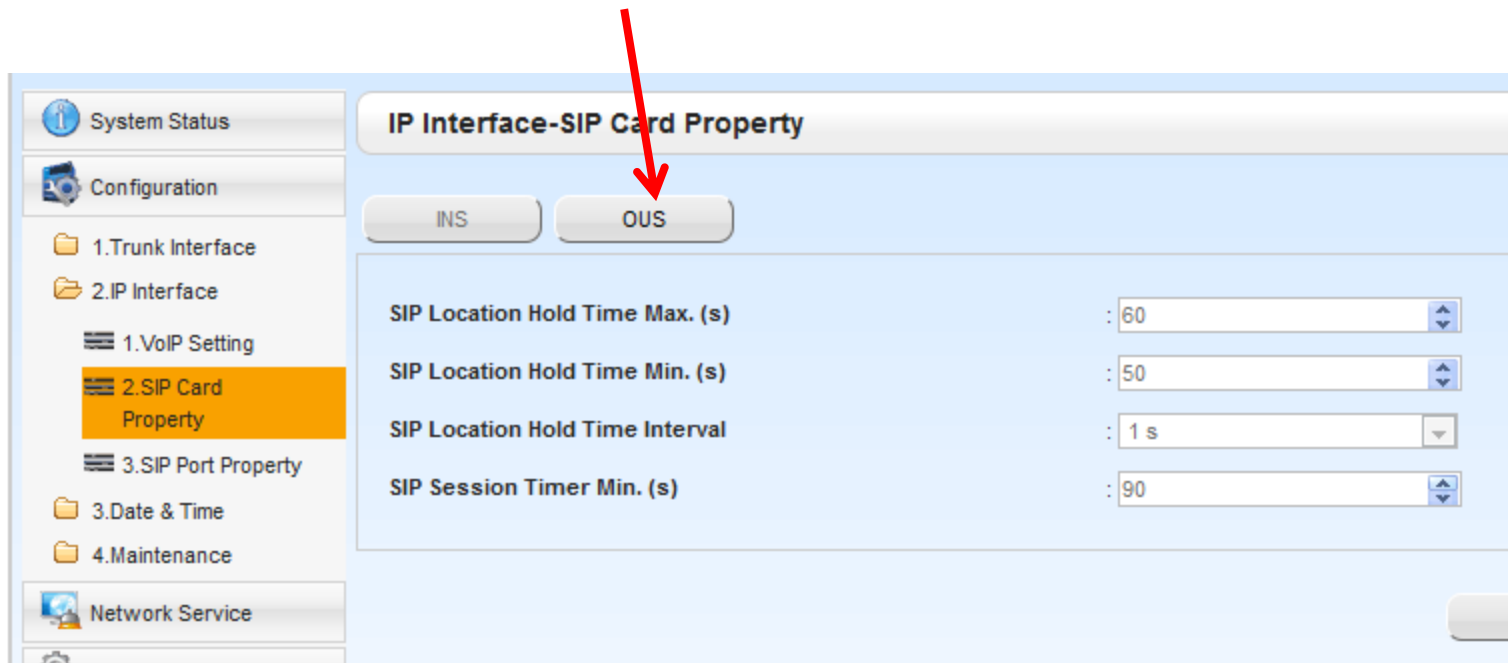
Trunk Interface-E1 Port Property

CH #	Connection	Channel Type	CO Dial Mode	E1 Receiver Type	Receive Digits	CPC Detection Time-Out	CPC Detection Time-In	DTMF Width
	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
1	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
2	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
3	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
4	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
5	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
6	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
7	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
8	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
9	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
10	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
11	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
12	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
13	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
14	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
15	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms
16	OUS	DR2	MFC-R2	MFC-R2	4	160 ms	160 ms	80 ms

Page 1 of 1 | 30 | View 1 - 30 of 30

OK Cancel Apply

7 –Entrar a la pantalla Configuration – 2.IP Interface – 2.SIP Card Property y dar click en OUS para poner en fuera de servicio esta parte del modulo.



8- Entrar a la configuración del NS1000 a la pantalla PBX Configuration – 1.Configuration – 1.Slot y seleccionar en la parte de arriba la opción de virtual. Después entrar a la pestaña de V-SIPGW16 y agregar 1 o 2 tarjetas virtuales de troncales SIP según la cantidad de troncales digitales que su hayan contratado. Por ejemplo, si se contrataron 20 troncales digitales es necesario dar de alta 2 tarjetas ya que cada tarjeta virtual es de 16 canales.

The screenshot displays the NS1000 Web Maintenance Console interface. The left sidebar shows the navigation menu with '1. Slot' selected. The main content area is titled 'Slot' and includes a 'Select Shelf:' section with buttons for 'Physical', 'Virtual', 'Legacy-GW1', and 'Legacy-GW2'. Below this are several action buttons: 'Refresh', 'Close', 'Summary', 'Activation Key', 'IP Phone Registration', 'System Property', 'Site Property', 'UM Card Property', and 'UM Port Property'. A row of card type buttons is visible, with 'V-SIPGW16' highlighted. Below the card types, the text 'Virtual 16-Channel VoIP SIP Gateway Card' is shown, followed by a dropdown menu for 'Total number of cards' set to '2'. At the bottom, a grid shows three slots (1, 2, 3) with their respective channel ranges (31-9, 32-10, and 3-11) and the installed 'V-SIPGW16' cards.

2

3

1

NS1000 Web Maintenance Console

Login as INSTALLER Site 1 : NS1000

Users

PBX Configuration

1. Configuration

1. Slot

2. Portable Station

3. Option

4. Clock Priority

5. DSP Resources

2. System

3. Group

4. Extension

5. Optional Device

6. Feature

7. TRS

8. ARS

9 Private Network

Slot

Select Shelf: Physical Virtual Legacy-GW1 Legacy-GW2

Refresh Close Summary Activation Key IP Phone Registration

System Property Site Property UM Card Property UM Port Property

V-SIPGW16 V-IPGW16 V-IPEXT32 V-SIPEXT32 V-IPCS4 V-UTEXT32

Virtual 16-Channel VoIP SIP Gateway Card

Total number of cards 2

1	31	LINE 1	V-SIPGW16	9
2	32	LINE 1	V-SIPGW16	10
3				11

9 – Poner fuera de servicio las tarjetas virtuales que acabamos de dar de alta. Esto lo hacemos poniendo el mouse sobre la tarjeta y seleccionando OUS de las opciones que aparecen.

The screenshot displays the NS1000 Web Maintenance Console interface. The top navigation bar includes the title 'NS1000 Web Maintenance Console' and a 'Login as INSTALLER' indicator. A left-hand navigation pane lists various configuration categories, with '1. Slot' selected. The main content area is titled 'Slot' and features a 'Select Shelf' dropdown menu set to 'Virtual'. Below this are several action buttons: 'Refresh', 'Close', 'Summary', 'Activation Key', 'IP Phone Registration', 'System Property', 'Site Property', 'UM Card Property', and 'UM Port Property'. A secondary dropdown menu shows 'V-SIPGW16' as the selected option. The main display area is titled 'Virtual 16-Channel VoIP SIP Gateway Card' and shows a 'Total number of cards' set to 2. A grid of 16 slots is visible, with slots 1 and 2 populated with 'V-SIPGW16' cards. A context menu is open over slot 3, listing options: 'Shelf Property', 'Card Property', 'Port Property', and 'Ous'. A red arrow points to the 'Ous' option.

Slot	Card Type	Card Status
1	V-SIPGW16	Card Status
2	V-SIPGW16	Card Status
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

10. Nuevamente posicionándonos sobre la tarjeta virtual seleccionamos ahora la opción de Port Property

The screenshot displays the NS1000 Web Maintenance Console interface. The top navigation bar includes the NS1000 logo and the title 'Web Maintenance Console'. Below this, there is a 'Login as INSTALLER' section. The left sidebar contains a tree view of the configuration menu, with '1. Slot' selected under 'PBX Configuration'. The main content area is titled 'Slot' and shows a 'Select Shelf' dropdown with options: Physical, Virtual (selected), Legacy-GW1, and Legacy-GW2. Below the dropdown are buttons for 'Refresh', 'Close', 'Summary', and 'Activation Key'. Further down are buttons for 'System Property', 'Site Property', 'UM Card Property', and 'UM Port Property'. A row of card types is visible: V-SIPGW16 (selected), V-IPGW16, V-IPEXT32, V-SIPEXT32, V-IPCS4, and V-UTEXT32. The main configuration area is titled 'Virtual 16-Channel VoIP SIP Gateway Card' and shows 'Total number of cards' set to 2. A table displays the card slots, with a context menu open over slot 1 (card 31). The context menu options are: Shelf Property, Card Property, Port Property (highlighted by a red arrow), Ins, and Delete. The table shows two slots, both containing V-SIPGW16 cards.

Slot	Card	Card Status
1	31	V-SIPGW16
2	32	V-SIPGW16
3		
4		

11 – Dentro de esta ventana damos click sobre la opción de Trunk Adaptor

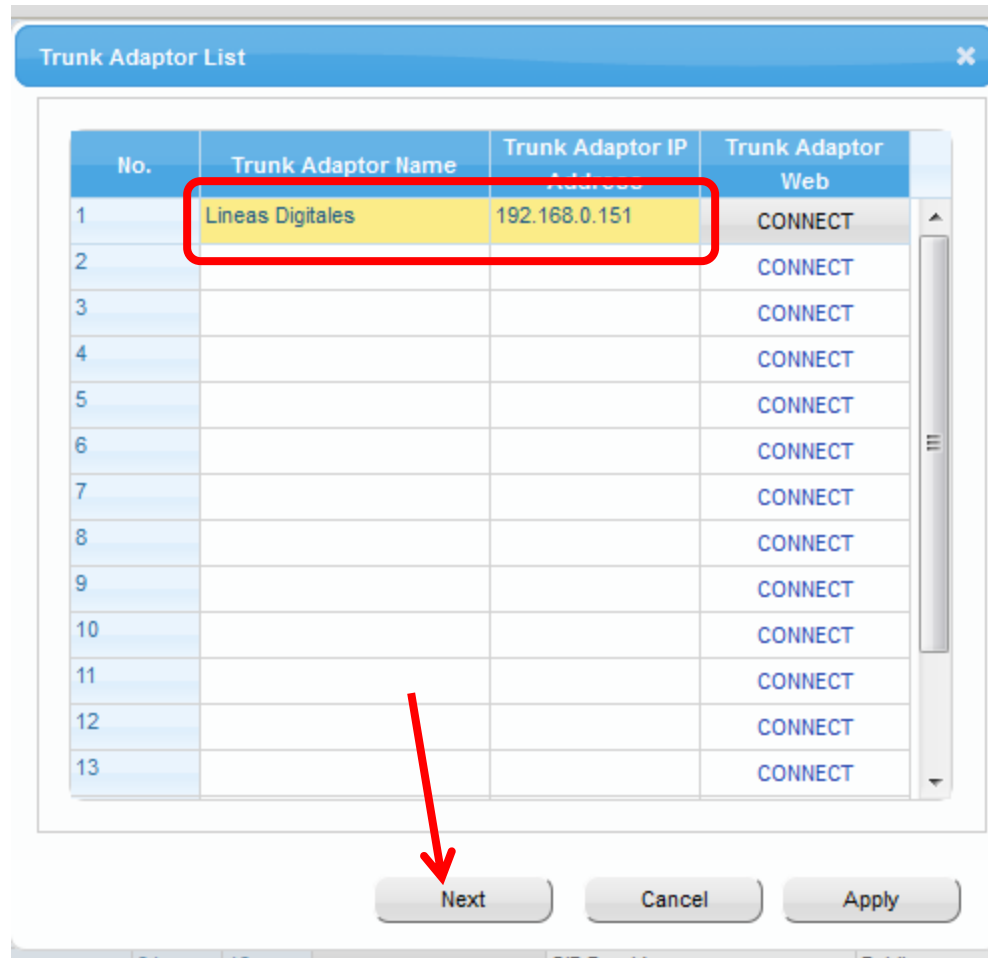
The screenshot shows the NS1000 Web Maintenance Console interface. The page title is "Port Property - Virtual SIP Gateway". In the top navigation bar, there are icons for Home, Tools, and Settings. The user is logged in as "INSTALLER" and the site is "NS1000".

On the left sidebar, the "PBX Configuration" menu is expanded to "1. Configuration", and "1. Slot" is selected. The main content area has three buttons: "Select Provider", "Add Provider", and "Trunk Adaptor". A red arrow points to the "Trunk Adaptor" button.

Below the buttons is a tabbed interface with tabs for "Main", "Account", "Register", "NAT", "Option", "Calling Party", "Called Party", "Voice/FAX", "RTP/RTCP", and "T.38". The "Main" tab is active.

No.	Shelf	Slot	Port	Connection	Connection Attribute	Trunk Property	Channel Attribute
	ALL			ALL		ALL	ALL
1	Virtual	31	1	Fault	SIP Provider	Public	Not Used
2	Virtual	31	2	Fault	SIP Provider	Public	Not Used
3	Virtual	31	3	Fault	SIP Provider	Public	Not Used
4	Virtual	31	4	Fault	SIP Provider	Public	Not Used
5	Virtual	31	5	Fault	SIP Provider	Public	Not Used
6	Virtual	31	6	Fault	SIP Provider	Public	Not Used
7	Virtual	31	7	Fault	SIP Provider	Public	Not Used
8	Virtual	31	8	Fault	SIP Provider	Public	Not Used
9	Virtual	31	9	Fault	SIP Provider	Public	Not Used

12 – Nos va a mostrar un asistente de configuración. Aquí configuramos el nombre y lo mas importante la IP del Modulo NS8188. Después de ajustar estos valores dar click en Next.



13 - En esta pantalla asignar únicamente los canales que se hayan contratado o configurado previamente en el modulo NS8188. Que pueden ser de 1 a 30. En el siguiente renglón solo confirmar los valores configurados en la ventana anterior y dar click en Finish

Set Trunk Adaptor

Virtual SIP Gateway - Port Property - No. Range

From: 1 To: 20

Trunk Adaptor Name: IP Address Lineas Digitales:192.168.0.151

SIP Server Port Number 5060

SIP Account / User Name

From: 401 To: 430

Finish Cancel

15 – Ponemos las tarjetas virtuales de nuevo en servicio seleccionando la opción INS

The screenshot displays the NS1000 Web Maintenance Console interface. The top navigation bar includes the NS1000 logo, the title 'Web Maintenance Console', and site information 'Site 1 : NS1000'. The left sidebar contains a tree view with categories like 'Users', 'PBX Configuration', and '1.Configuration', with '1.Slot' selected. The main content area is titled 'Slot' and features a 'Select Shelf' dropdown set to 'Virtual'. Below this are several action buttons: 'Refresh', 'Close', 'Summary', 'Activation Key', 'IP Phone Registration', 'System Property', 'Site Property', 'UM Card Property', and 'UM Port Property'. A row of card type buttons is visible, including 'V-SIPGW16', 'V-I-GW16', 'V-IPEXT32', 'V-SIPEXT32', 'V-IPCS4', and 'V-UTEXT32'. The main configuration area is for a 'Virtual 16-Channel V-MIP SIP Gateway Card' with a 'Total number of cards' set to 2. A table shows 16 slots, with the first two slots (31 and 32) containing 'V-SIPGW16' cards. A context menu is open over the first slot, showing options: 'Shelf Property', 'Card Property', 'Port Property', 'Ins', and 'Delete'. A red arrow points from the top of the page to the 'Ins' button in the context menu.

NS1000 | Web Maintenance Console

Login as INSTALLER Site 1 : NS1000

Users PBX Configuration

1.Configuration

1.Slot

2.Portable Station

3.Option

4.Clock Priority

5.DSP Resources

2.System

3.Group

4.Extension

5.Optional Device

6.Feature

7.TRS

8.ARS

9.Private Network

10.CO & Incoming Call

11.Maintenance

UM Configuration

Network Service

Slot

Select Shelf : Physical Virtual Legacy-GW1 Legacy-GW2

Refresh Close Summary Activation Key IP Phone Registration

System Property Site Property UM Card Property UM Port Property

V-SIPGW16 V-I-GW16 V-IPEXT32 V-SIPEXT32 V-IPCS4 V-UTEXT32

Virtual 16-Channel V-MIP SIP Gateway Card

Total number of cards: 2

1	31	Shelf Property	V-SIPGW16	9
2	32	Card Property	V-SIPGW16	10
3		Port Property		11
4		Ins		12
5		Delete		13
6				14
7				15

16 - Nos vamos a la pantalla 10.CO & Incoming Call – 2.DIL Table & Port Settings y verificar que en las tarjetas y canales de la V-SIPGW16 que dimos de alta tengan el valor de DDI/DID en la columna de Distribution Method

The screenshot shows the NS1000 Web Maintenance Console interface. The main title is "NS1000 Web Maintenance Console". The user is logged in as "INSTALLER" and the site is "NS1000". The left sidebar shows a navigation menu with "PBX Configuration" expanded to "10.CO & Incoming Call", and "2.DIL Table & Port Settings" selected. The main content area is titled "DIL Table & Port Settings" and has tabs for "DIL", "CLI for DIL", and "DDI / DID / TIE / MSN". The "DIL" tab is active, displaying a table with the following columns: No., Site, Shelf, Slot, Port, Card Type, Trunk Property, Distribution Method, and DIL. The table contains 12 rows of data, all with "V-SIPGW16" as the Card Type and "Public" as the Trunk Property. The "Distribution Method" column is highlighted with a red box, and all entries in this column are "DDI / DID".

No.	Site	Shelf	Slot	Port	Card Type	Trunk Property	Distribution Method	DIL
		ALL			ALL	ALL	ALL	
1	1	Virtual	31	1	V-SIPGW16	Public	DDI / DID	
2	1	Virtual	31	2	V-SIPGW16	Public	DDI / DID	
3	1	Virtual	31	3	V-SIPGW16	Public	DDI / DID	
4	1	Virtual	31	4	V-SIPGW16	Public	DDI / DID	
5	1	Virtual	31	5	V-SIPGW16	Public	DDI / DID	
6	1	Virtual	31	6	V-SIPGW16	Public	DDI / DID	
7	1	Virtual	31	7	V-SIPGW16	Public	DDI / DID	
8	1	Virtual	31	8	V-SIPGW16	Public	DDI / DID	
9	1	Virtual	31	9	V-SIPGW16	Public	DDI / DID	
10	1	Virtual	31	10	V-SIPGW16	Public	DDI / DID	
11	1	Virtual	31	11	V-SIPGW16	Public	DDI / DID	
12	1	Virtual	31	12	V-SIPGW16	Public	DDI / DID	

17. Dentro de la misma ventana nos pasamos a la pestaña de DDI/DID/TIE/MSN y en la columna de DDI/DID/TIE/MSN Remove Digit asignamos el valor de "3" al igual que el paso anterior es en todos los canales de la V-SIPGW que se han dado de alta.

The screenshot displays the NS1000 Web Maintenance Console interface. The title bar shows "NS1000 Web Maintenance Console [Off-line]" and the user is logged in as "INSTALLER". The left sidebar contains a tree view of configuration options, with "2. DIL Table & Port Settings" selected. The main area shows the "DIL Table & Port Settings" configuration page, with the "DDI / DID / TIE / MSN" tab active. A table lists various channels, and the "DDI/DID/TIE/MSN Remove Digit" column is highlighted with a red box, showing the value "3" for all entries. A red arrow points to the "DDI / DID / TIE / MSN" tab.

o.	Site	Shelf	Slot	Port	Card Type	Trunk Property	Distribution Method	DDI/DID/TIE/MSN Remove Digit	DDI/DID
		ALL			ALL	ALL	ALL	ALL	
1	Virtual	31	1	1	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	2	2	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	3	3	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	4	4	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	5	5	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	6	6	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	7	7	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	8	8	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	9	9	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	10	10	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	11	11	V-SIPGW16	Public	DDI / DID	3	
1	Virtual	31	12	12	V-SIPGW16	Public	DDI / DID	3	

18 -Entrar a la pantalla 10. CO & Incoming Call – 3. DDI/DID Table y dar de alta el o los DID's que el cliente haya contratado

NS1000 Web Maintenance Console

Login as INSTALLER Site 1 : NS1000

DDI / DID Table

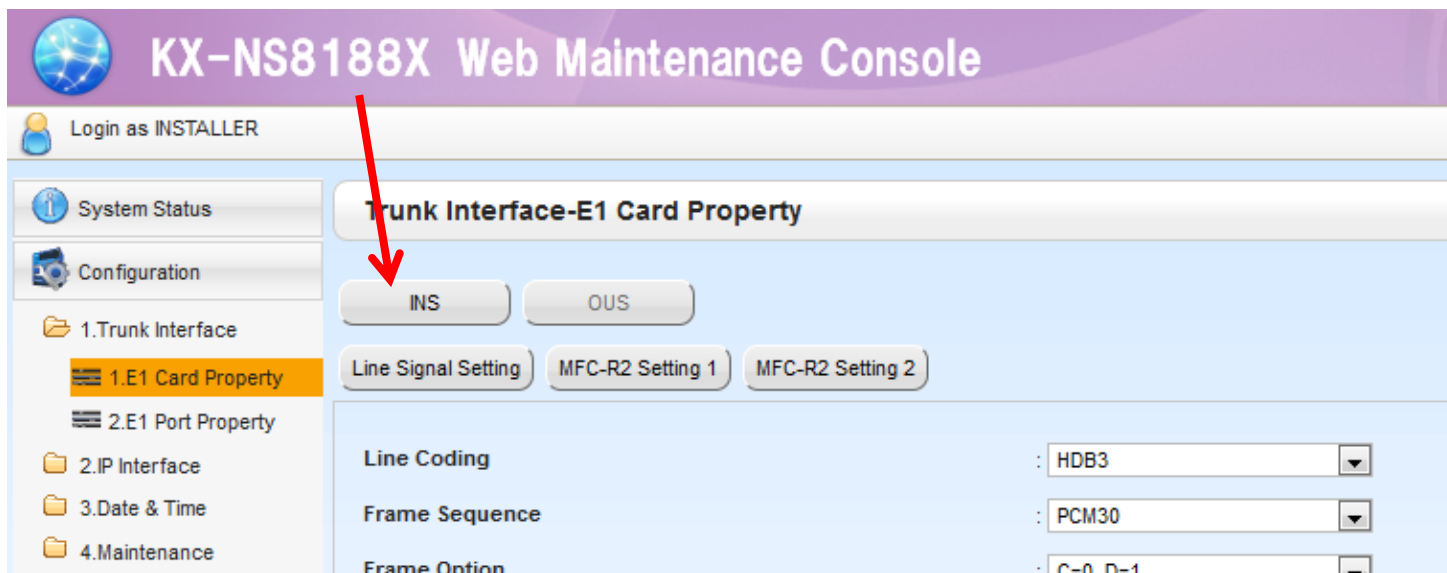
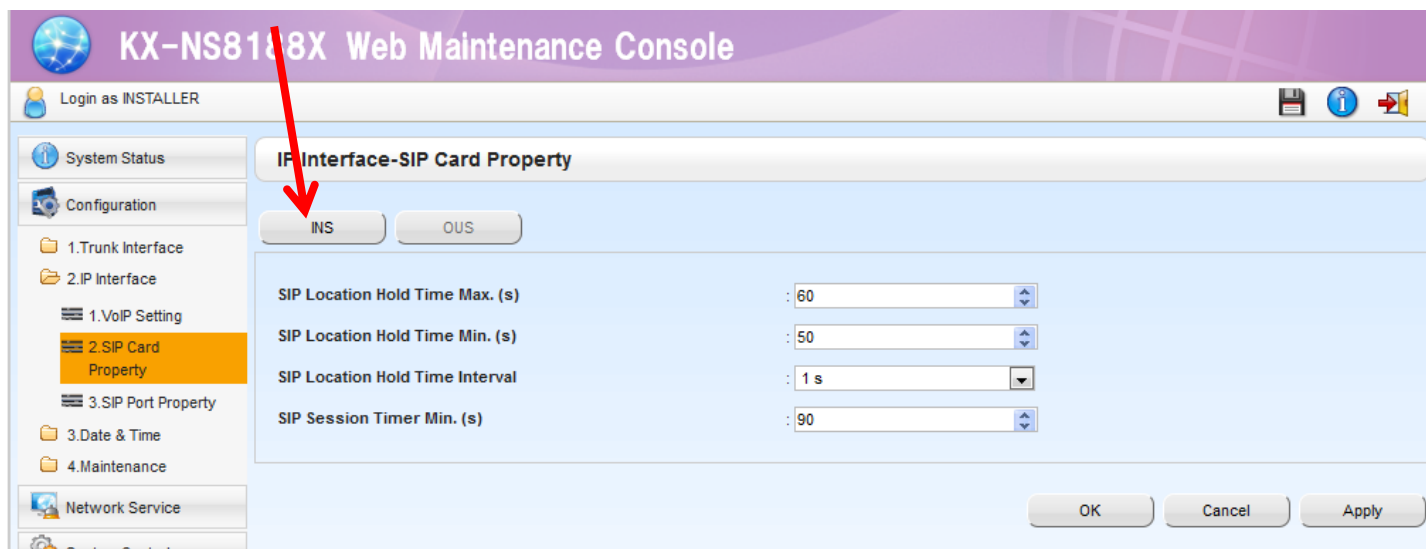
Automatic Registration Name Generate Destination Setting

ID	DDI / DID Number (32 digits)	DDI / DID Name (20 characters)	DDI / DID Destination - Day	DDI / DID Destination - Lunch	DDI / DID Destination - Break	DDI / DID Destination - Night
1	5700	Principal	1001	1001	1001	10001
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

Page 1 of 50 View 1 - 20 of 1 000

OK Cancel Apply

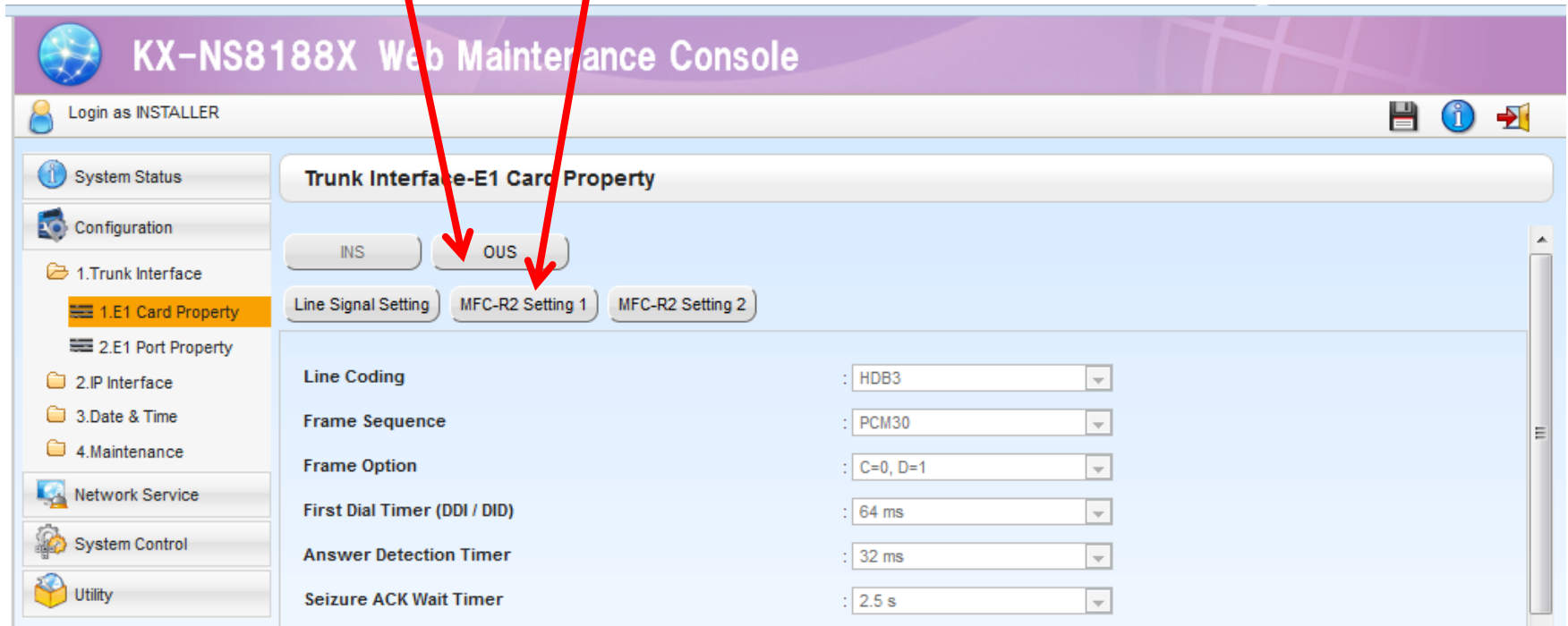
19 - Regresar a la configuración del modulo NS8188 y en la pantalla SIP Card Property dar click en INS. Lo mismo hacemos en la pantalla E1 Card Property. Con esto se termina la configuración tanto del modulo como lo referente al NS1000



Configuración de Caller ID

Si ya confirmamos que se pueden hacer y recibir llamadas por medio de las troncales digitales, se puede proceder a la configuración de la funcionalidad de identificador de llamadas siempre y cuando el cliente haya contratado dicho servicio.

1. Entrar a la pantalla E1 Card Property ponemos fuera de servicio la tarjeta. Después damos click sobre MFC-R2 Setting 1



The screenshot displays the 'KX-NS8188X Web Maintenance Console' interface. The main title bar shows 'KX-NS8188X Web Maintenance Console' and 'Login as INSTALLER'. The left navigation menu includes 'System Status', 'Configuration', '1. Trunk Interface', '1.E1 Card Property' (highlighted), '2.E1 Port Property', '2.IP Interface', '3.Date & Time', '4.Maintenance', 'Network Service', 'System Control', and 'Utility'. The main content area is titled 'Trunk Interface-E1 Card Property' and contains buttons for 'INS', 'OUS', 'Line Signal Setting', 'MFC-R2 Setting 1', and 'MFC-R2 Setting 2'. Two red arrows point to the 'OUS' and 'MFC-R2 Setting 1' buttons. Below the buttons, the following settings are visible:

Line Coding	: HDB3
Frame Sequence	: PCM30
Frame Option	: C=0, D=1
First Dial Timer (DDI / DID)	: 64 ms
Answer Detection Timer	: 32 ms
Seizure ACK Wait Timer	: 2.5 s

2 – Configurar los parámetros como se muestran en las siguientes imágenes

Trunk Interface-E1 Card Property-MFC-R2 Setting 1

ANI Service

Mode	:	Incoming call only	▼
ANI Max. digits	:	10	▼

MFC-R2 Timer

Forward	:	15 s	▼
Backward	:	15 s	▼
Disappearance	:	24 s	▼

Group-I Code Assignment

ANI Start	:	Undefined	▼
ANI Complete (1)	:	15	▼
ANI Complete (2)	:	Undefined	▼
ANI Complete (3)	:	Undefined	▼
ANI Complete (4)	:	Undefined	▼

Trunk Interface-E1 Card Property-MFC-R2 Setting 1

ANI Reject : 12

End of Digit : 15

End of Digit Timer : 15

Group-II Code Assignment

G-II Code Outgoing Call : 2

G-II Code Incoming Call [1] : Operator

G-II Code Incoming Call [2] : Subscriber

G-II Code Incoming Call [3] : Collect Call

G-II Code Incoming Call [4] : Undefined

G-II Code Incoming Call [5] : Undefined

G-II Code Incoming Call [6] : Subscriber

G-II Code Incoming Call [7] : Subscriber

G-II Code Incoming Call [8] : Subscriber

G-II Code Incoming Call [9] : Subscriber

G-II Code Incoming Call [10] : Undefined

Confirmados los parámetros damos click en OK

188X Web Maintenance Console



Trunk Interface-E1 Card Property-MFC-R2 Setting 1

G-II Code Incoming Call [6]	:	Subscriber	▼
G-II Code Incoming Call [7]	:	Subscriber	▼
G-II Code Incoming Call [8]	:	Subscriber	▼
G-II Code Incoming Call [9]	:	Subscriber	▼
G-II Code Incoming Call [10]	:	Undefined	▼
G-II Code Incoming Call [11]	:	Undefined	▼
G-II Code Incoming Call [12]	:	Undefined	▼
G-II Code Incoming Call [13]	:	Undefined	▼
G-II Code Incoming Call [14]	:	Undefined	▼
G-II Code Incoming Call [15]	:	Undefined	▼
Group-II ANI	:	6	▼

MFC-R2 Group-1[*][#]

E1 MFC-R2 Group1[*] code	:	11	▼
E1 MFC-R2 Group1[#] code	:	12	▼



OK Cancel Apply

2 – Ahora entramos a la opción de MFC-R2 Setting 2

The screenshot displays the 'KX-NS8188X Web Maintenance Console' interface. The top navigation bar includes 'System Status', 'Configuration', and 'Utility'. The left sidebar shows a tree view with '1.E1 Card Property' selected. The main content area is titled 'Trunk Interface-E1 Card Property' and contains several configuration options:

- INS
- OUS
- Line Signal Setting
- MFC-R2 Setting 1
- MFC-R2 Setting 2 (highlighted with a red arrow)

The configuration table below shows the following settings:

Line Coding	: HDB3
Frame Sequence	: PCM30
Frame Option	: C=0, D=1
First Dial Timer (DDI / DID)	: 64 ms
Answer Detection Timer	: 32 ms
Seizure ACK Wait Timer	: 2.5 s

3 – Configurar los parámetros como se muestran en la imagen y dar click en OK

Trunk Interface-E1 Card Property-MFC-R2 Setting 2

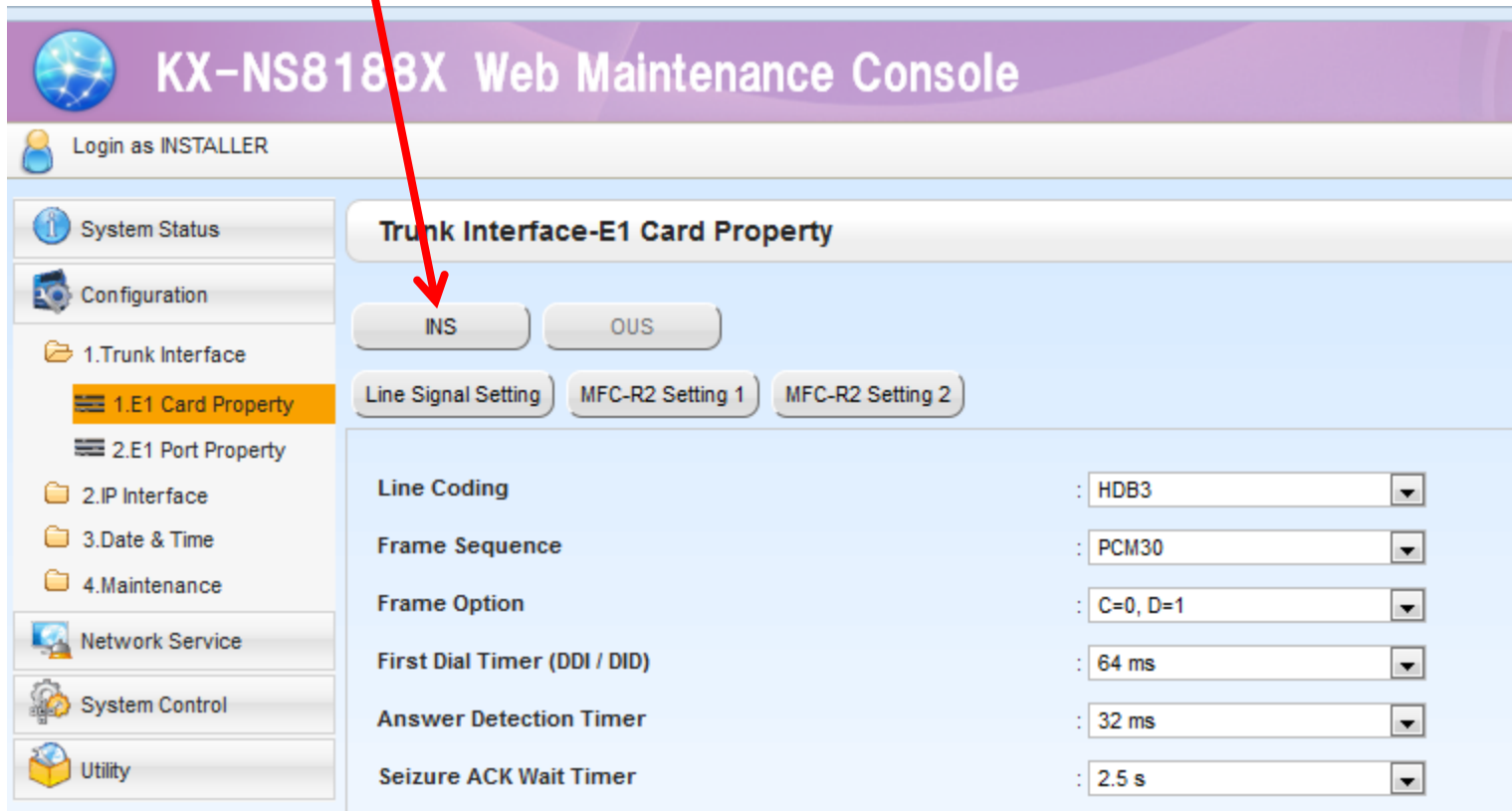
Group-A Code Assignment

Address Complete	:	3	▼
ANI Request	:	6	▼
ANI (N+1)	:	1	▼
ANI (N+1) Additional Code	:	Undefined	▼
Set up Speech Path	:	13	▼
(First) Request	:	Undefined	▼
(N) Request	:	Undefined	▼
(N-1) Request	:	Undefined	▼
(N-2) Request	:	Undefined	▼
(N-3) Request	:	Undefined	▼

Group-B Code Assignment

Idle (1)	:	1	▼
Idle (2)	:	Undefined	▼
Idle (3)	:	Undefined	▼
Busy	:	2	▼
Unallocated	:	3	▼
Congestion	:	4	▼
Out-of-Service	:	4	▼
No Billing	:	Undefined	▼
Collect Call Reject	:	Undefined	▼

4 – Poner por ultimo la tarjeta de nuevo en servicio



The screenshot displays the 'KX-NS8188X Web Maintenance Console' interface. The user is logged in as 'INSTALLER'. The left sidebar shows a navigation menu with 'Configuration' expanded to '1. Trunk Interface', where '1.E1 Card Property' is selected. The main content area is titled 'Trunk Interface-E1 Card Property' and features two buttons: 'INS' and 'OUS'. A red arrow points to the 'INS' button. Below these buttons are three tabs: 'Line Signal Setting', 'MFC-R2 Setting 1', and 'MFC-R2 Setting 2'. The 'Line Signal Setting' tab is active, showing a list of parameters with dropdown menus:

Line Coding	:	HDB3	▼
Frame Sequence	:	PCM30	▼
Frame Option	:	C=0, D=1	▼
First Dial Timer (DDI / DID)	:	64 ms	▼
Answer Detection Timer	:	32 ms	▼
Seizure ACK Wait Timer	:	2.5 s	▼