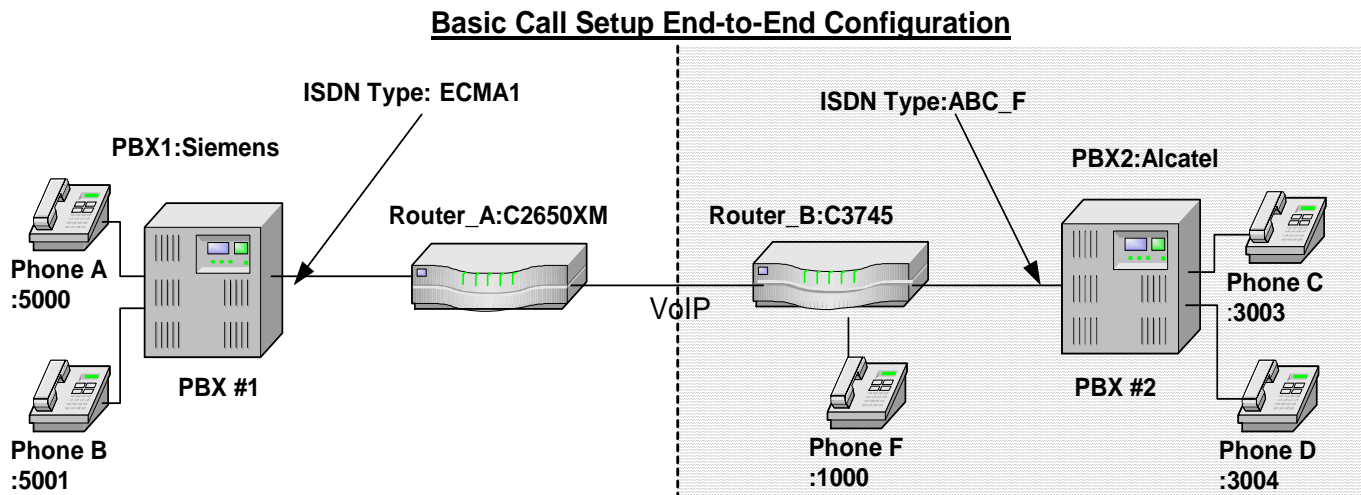


Cisco 2650XM-PBX Interoperability: Siemens Hicom 300E PBX using BRI-QSIG Interfaces with H.323

Introduction

This note describes the interoperability between the Siemens Hicom 330E R3.1 PBX to Cisco 2650XM router over a BRI-QSIG link. The Network Topology diagram shows the test set-up for end-to-end interoperability between the Siemens via the Cisco 2650 XM Router supporting a Basic-QSIG link.

Network Topology



Limitations

Basic Call

When a call is made from the Alcatel (Phone C) to the Siemens (Phone A), the Alcatel phone only displays the connected party's name.

Basic Call FXS Ports

Due to the slot allocation limitations of the Cisco 2650 XM Router when supporting a 2 NT/TE BRI card, installation of a FXS port was not possible.

System Components

Hardware Requirements

- Cisco Hardware
- Cisco 2650 XM Router with 1 off 2 BRI NT/TE Card
- Siemens Hardware
- Siemens Hicom 330E PBX



Hardware: DIU-N2

Software Requirements

Cisco IOS Software Release 12.2 (12.12)T

Siemens Hicom 330E PBX Software Version R3.1

Features Supported

- Calling Name Identification Presentation
- Calling Number Identification Presentation
- Connected Name Identification Presentation
- Connected Number Identification Presentation Updating
- Connected Name and Number for Call Transfers
- Updating Connected Name and Number for Call Forwarding

Configuration

Configuring the Siemens Hicom 330E PBX

Configure in the following sequence

- Add the new access code to Dialing Plans using WABE + LDPLN.
- Add the new trunk board using BCSU.
- Configure Class of Trunk using COT.
- Configure Class of Parameter for device handler using COP.
- Configure Class of Service using COSSU.
- Add the new trunk group access code using BUEND
- Configure trunk using TDCSU
- Configure Reference Clock using REFTA
- Configure trunk Least Cost Routing using LDAT + RICHT
- Configure LCR Out-dial Rules using LODR

Configuration Menus and Commands

DPLN

<dis-wabe

TYPE = ?

```

TYPE                : DESIRED OPTION
CHARACTERISTIC     : REQUIRED                CONDITIONAL
POSSIBLE VALUES  : ARN                    ALTERNATE REFERENCE NUMBER (7-8 DIGIT WABE)
                   DNNO                   DISPLAY STATION OF DESTINATION NODE NUMBER
                   CPS                     DISPLAY OF CPS FOR SPECIFIED DAR
                   STN                    STATION

```



GEN DISPLAY TYPE FOR GENERAL PURPOSES

TYPE = gen

CD = ;

DIS-WABE:GEN, ;

H500: AMO WABE STARTED

DIGIT INTERPRETATION VALID FOR ALL DIAL PLANS

CALL PROGRESS STATE	DIGIT	RESERVED/CONVERT	
CODE	1 11111 11112 22	ANALYSIS	DNI/ADD-INFO
	0 12345 67890 12345 67890 12	RESULT	*=OWN NODE

001 - 002	*	NETRTE	R
11 * ..	MBKY	
3001	. ***** **...	STN	R
			DESTNO 0
			DNNO 1- 1-150*
3007 * ..	MBKY	
3007	. ***** **...	STN	
			DESTNO 0
			DNNO 1- 1-150*
4100 - 4500	. ***** **...	STN	R
			DESTNO 72
			DNNO 0- 0- 0

DIGIT INTERPRETATION VALID FOR ALL DIAL PLANS

CALL PROGRESS STATE	DIGIT	RESERVED/CONVERT	
CODE	1 11111 11112 22	ANALYSIS	DNI/ADD-INFO
	0 12345 67890 12345 67890 12	RESULT	*=OWN NODE



5000 - 5007	. .***** ***** **... ..	STN		
			DESTNO 0	
			DNNO 1- 1-150*	
5008 - 5009	. .***** ***** **... ..	STN	R	
			DESTNO 99	
			DNNO 0- 0- 0	
5010	. .***** *.*** **... ..	ATNDIND		
5011	. .***** ***** **... ..	STN		
			DESTNO 0	
			DNNO 1- 1-150*	

DIGIT INTERPRETATION VALID FOR ALL DIAL PLANS

	CALL PROGRESS STATE	DIGIT	RESERVED/CONVERT
CODE	1 11111 11112 22	ANALYSIS	DNI/ADD-INFO
	0 12345 67890 12345 67890 12	RESULT	*-OWN NODE

5012 - 5050	. .***** ***** **... ..	STN	R	
			DESTNO 0	
			DNNO 1- 1-150*	
800	. . . . . * . . . * **... ..	ATNDDID		
854	. .***** ***** **... ..	NETW	R	
			DESTNO 2	
			DNNO 0- 0- 0	
*66	. . . . . * . . . . . . . . . . . . . . .	SIGNON		
*91	. . . . . * . . . . * . . . . . . . . . . .	MBOFF		
#66	. . . . . * . . . . . . . . . . . . . . .	SIGNOFF		
#91	. . . . . * . . . . * . . . . . . . . . . .	MBON		
##22	. . . . . . . . . . . . . . . . * . . . .	DAKY		

DIGIT INTERPRETATION VALID FOR ALL DIAL PLANS



CODE	CALL PROGRESS STATE	DIGIT	RESERVED/CONVERT
	1 11111 11112 22	ANALYSIS	DNI/ADD-INFO
	0 12345 67890 12345 67890 12	RESULT	*=OWN NODE

##24	. . . . . * ..	DSSKY	
##25	. . . . . * ..	FWDKY	
##26	. . . . . * ..	HTKY	
##27	. . . . . * ..	KNOVRKY	
##28	. . . . . * ..	MBKY	
##29	. . . . . * ..	MSGRKY	
##35	. . . . . * ..	TIMEKY	
##36	. . . . . * ..	VCKY	
##37	. . . . . * ..	VCRKY	
##38	. . . . . * ..	CCKY	
##39	. . . . . * ..	CONFKY	
##41	. . . . . * ..	NAMEKY	

DIGIT INTERPRETATION VALID FOR ALL DIAL PLANS

CODE	CALL PROGRESS STATE	DIGIT	RESERVED/CONVERT
	1 11111 11112 22	ANALYSIS	DNI/ADD-INFO
	0 12345 67890 12345 67890 12	RESULT	*=OWN NODE

##42	. . . . . * ..	PARKKY	
##43	. . . . . * ..	REMKY	
##44	. . . . . * ..	STKY	
##45	. . . . . * ..	CBKKY	
##46	. . . . . * ..	CONSKY	
##47	. . . . . * ..	DNDKY	
##48	. . . . . * ..	EXHOLDKY	
##49	. . . . . * ..	HOLDKY	
##50	. . . . . * ..	IUSEKY	



```

| ##51          | . . . . . * .. | LNRKY  |
| ##52          | . . . . . * .. | PRIVKY  |
| ##53          | . . . . . * .. | RLSKY   |

```

```

-----
| DIGIT INTERPRETATION          VALID FOR ALL DIAL PLANS          |
-----

```

```

|          | CALL PROGRESS STATE | DIGIT | RESERVED/CONVERT |
| CODE    | 1 11111 11112 22 | ANALYSIS | DNI/ADD-INFO    |
|          | 0 12345 67890 12345 67890 12 | RESULT | *=OWN NODE      |

```

```

| ##54          | . . . . . * .. | SNRKY  |
| ##55          | . . . . . * .. | TRNSKY  |
| ##56          | . . . . . * .. | RCTOFFKY |
| ##57          | . . . . . * .. | TOGGLEKY |

```

```

AMO-WABE -208          DIALLING PLANS, FEATURE ACCESS CODES
DISPLAY COMPLETED;

```

Dial plan, DPLN

```
<dis-ldpln
```

```
TYPE = ldp;
```

```
DIS-LDPLN:LDP;
```

```
H500: AMO LDPLN STARTED
```

```

+-----+-----+
|          |          |
| LDPNO : 45 | LDP : 31-XXXX |
|          | SPC : 22      |
+-----+-----+
|          | DPLN | LRTE | LAUTH | | DPLN | LRTE | LAUTH |

```



	0	31	1	8			
	1			9			
	2			10			
	3			11			
	4			12			
	5			13			
	6			14			
	7			15			

```
+-----+-----+-----+-----+-----+-----+
|
| LDPNO : 39 | LDP : 33-XXXX |
|           | SPC : 22      |
|
```

	DPLN	LRTE	LAUTH	DPLN	LRTE	LAUTH
	0	33	1	8		
	1			9		
	2			10		
	3			11		
	4			12		
	5			13		
	6			14		
	7			15		

```
+-----+-----+-----+-----+-----+-----+
|
| LDPNO : 40 | LDP : 37-XXXX |
|           | SPC : 22      |
|
```

	DPLN	LRTE	LAUTH	DPLN	LRTE	LAUTH
	0	37	1	8		



	1			9		
	2			10		
	3			11		
	4			12		
	5			13		
	6			14		
	7			15		

-----+

LDPNO :	43	LDP :	38-XXXX			
		SPC :	22			

-----+

	DPLN	LRTE	LAUTH	DPLN	LRTE	LAUTH
	0	38	1	8		
	1			9		
	2			10		
	3			11		
	4			12		
	5			13		
	6			14		
	7			15		

-----+

LDPNO :	46	LDP :	40-XXXX			
		SPC :	22			

-----+

	DPLN	LRTE	LAUTH	DPLN	LRTE	LAUTH
	0	40	1	8		
	1			9		
	2			10		



	3			11		
	4			12		
	5			13		
	6			14		
	7			15		

LDPNO :	44	LDP :	9-X			
		SPC :	22			

	DPLN	LRTE	LAUTH	DPLN	LRTE	LAUTH
	0	1	1	8		
	1			9		
	2			10		
	3			11		
	4			12		
	5			13		
	6			14		
	7			15		

AMO-LDPLN-208 ADMINISTRATION LCR DIALPLAN

DISPLAY COMPLETED;

BCSU

<dis-bcsu

TYPE = tbl;

DIS-BCSU:TBL;

H500: AMO BCSU STARTED

ADDRESS : LTG 1 LTU 1



```

-----+-----+-----+-----+-----+-----+-----+-----+
      | ASSIGNED | MODULE | FCT|HWY| | INSERTED | | | MODULE | |
PEN | MODULE   | TYPE   | ID |BDL| | MODULE   | |STATE| HW-INFO| STATUS | |
-----+-----+-----+-----+-----+-----+-----+-----+
 37 | Q2261-X   | DSCX   | 2  | | | Q2261-X   | | 1 | D994-E | READY | |
 49 | Q2159-X140| TM2LP  |    | A | | Q2159-X140| | 1 | -03 - | READY | |
 55 | Q2139-X   | PSIO   |    | A | | Q2139-X   | | 1 | D321-C | READY | |
 61 | Q2233-X   | SIUX   | 2  | | | Q2233-X   | | 1 | D802-B | READY | |
 67 | Q2286-X   | TMLRB  |    | A | | Q2286-X   | | 2 | B008-D | READY | |
 73 | Q2196-X   | DIU-N2 | 1  | A | | Q2196-X   | | 1 | -04 - | READY | |
 79 | Q2180-X   | SLOP2  | 1  | A | | Q2180-X   | | 1 | -03 - | READY | |
 85 | Q2163-X   | STMD2  | 1  | A | | Q2163-X   | | 1 | -09 - | READY | |
 91 | Q2246-X   | SLMA24 |    | A | | Q2246-X   | | 1 | -07 - | READY | |
 97 | Q2292-X100| TMEW2  |    | A | | Q2292-X100| | 1 | -B1 - | READY | |
103 | Q2292-X100| TMEW2  |    | A | | Q2292-X100| | 1 | -B1 - | READY | |

```

H02: LTU 1.2 IS NOT ASSIGNED

H02: LTU 1.3 IS NOT ASSIGNED

H02: LTU 1.4 IS NOT ASSIGNED

AMO-BCSU -108 BOARD CONFIGURATION, SWITCHING UNIT

DISPLAY COMPLETED;

COT

<dis-cot:4;

DIS-COT:4;

H500: AMO COT STARTED



COT: 4 INFO: 4:Q931 EXTERNAL

DEVICE: INDEP SOURCE: DB

PARAMETER:

PRIORITY FOR AC WILL BE DETERMINED FROM MESSAGE	PRI
RECALL IF USER HANGS UP IN CONSULTATION CALL	RCL
TRUNK CALL TRANSFER	XFER
TRUNK SIGNALING ANSWER	ANS
CHANGEOVER FROM HOLD TO RING TONE	CHRT
KNOCKING OVERRIDE POSSIBLE	KNOR
CALL EXTEND FOR BUSY, RING OR CALL STATE	CEBC
NETWORKWIDE AUTOMATIC CALLBACK ON BUSY	CBBN
NETWORKWIDE AUTOMATIC CALLBACK ON FREE	CBFN
DON'T RELEASE CALL TO BUSY HUNT GROUP	BSHT
SEND NO NODE NUMBER TO PARTNER	LWNC
INCOMING CIRCUIT FROM SYSTEM WITHOUT LCR	NLCR
TSC-SIGNALING FOR NETWORKWIDE FEATURES (MANDATORY)	TSCS
INCOMING CDR BY ZONE OR FROM LINE	ICZL
INCOMING CIRCUIT FROM SYSTEM WITHOUT LCR (DATA)	NLRD
INTERWORKING CALLBACK - NO ANSWER AND MAILBOX CALLBACK	IWCB
AOC PER CALL (AUTOMATICAL OR ON REQUEST), MAND. CORNET-NQ	AOCC
CONTROLLED TRUNK AND LINE SELECTION	CTLS
NO TONE	NTON

AMO-COT -108 CLASS OF TRUNK FOR CALL PROCESSING

COP

<dis-cop

COPNO = 4

FORMAT = ;

DIS-COP:4,;



H500: AMO COP STARTED

COP: 4 INFO: 4:Q931

DEVICE: INDEP SOURCE: DB

PARAMETER:

LINE WITH END-OF-DIAL	EOD
SPECIAL MODE	SFRM
CODE CALLING RELEASE AFTER EVERY TASK	CCR
REGISTRATION OF LAYER 3 ADVISORIES	L3AR

AMO-COP -208 CLASS OF PARAMETER FOR DEVICE HANDLER

DISPLAY COMPLETED;

COSSU

<dis-cossu:cos,32;

DIS-COSSU: COS,32;

H500: AMO COSSU STARTED

```

+-----+-----+-----+-----+-----+-----+
| COS | VOICE | FAX | TTX | VTX | DTE |
+-----+-----+-----+-----+-----+-----+
| 32 |>32:TRUNKS | | | | |
| | TA | NOCO | NOCO | NOCO | TA |
| | TNOTCR | NOTIE | NOTIE | NOTIE | TNOTCR |
| | | | | | BASIC |
| | | | | | MSN |
| | | | | | CDRINT |
| | | | | | MULTRA |
| | | | | |
+-----+-----+-----+-----+-----+

```

AMO-COSSU-108 CLASSES OF SERVICE, SWITCHING UNIT

DISPLAY COMPLETED;



BUEND

<dis-buend

TGRP = 43;

DIS-BUEND:43;

H500: AMO BUEND STARTED

```
+----- FORMAT = L -----+
| TGRP NUMBER : 43 TGRP NAME : BRI2 MAXIMUM NO. : 4 |
| SUBGROUP NO.: 15 DEVICE TYPE : S0CONN TRACENO : 0 |
| RESERVED : N SEARCH MODE : CIRCULAR ACD THRESHOLD : * |
| NUMBER OF ASSOCIATED ROUTES : 1 PRIORITY : 2 |
| THE FOLLOWING TRUNKS (LTG-LTU-SLOT-CCT) HAVE BEEN ALLOCATED: |
+-----+
| 1- 1- 85-7 B-CHL: 1 | 1- 1- 85-7 B-CHL: 2 | : |
+-----+
```

AMO-BUEND-108 TRUNK GROUP

DISPLAY COMPLETED;

TDCSU

<dis-tdcsu

PEN1 = 1-1-85-7;

DIS-TDCSU:1-1-85-7;

H500: AMO TDCSU STARTED

```
+----- DIGITAL TRUNK (FORMAT=L) -----+
|          DEV = S0CONN          PEN = 1-01-085-7          |
+-----+
| COTNO = 4          COPNO = 4          DPLN = 0          |
| ITR = 0           COS = 32          LCOSV = 31          |
| LCOSD = 31        CCT =           DESTNO = 99          |
```



```

| PROTVAR = ECMA1          SEGMENT = 1          TCHARG = N          |
| SUPPRESS = 0            DGTPR =              CHIMAP = N          |
| ISDNCC =                ISDNAC =            ISDNLC =          |
| ISDNIP =                ISDNNP =           |
| PNPL2C =                PNPL1C =            PNPLC =          |
| PNPL2P =                PNPL1P =            PNPAC =          |
| TRACOUNT = 31          SATCOUNT = MANY      NNO = 1 -1 -999 |
| ALARMNO = 0            FIDX = 1            CARRIER = 1        |
| ZONE = EMPTY          COTX = 4            FWDX = 1          |
| DOMTYPE =              DOMAINNO =          TPROFNO =          |
| INIGHT =              |
| CCHDL =                UUSCCX = 16         UUSCCY = 8        |
|-----|
| INS = N                TGRP = 43           SRCHMODE = CIR     |
| MASTER = Y            SMD = Y             CNTRNR = 0         |
| BCNEG = N              |

```

+-----+

AMOUNT OF B-CHANNELS IN THIS DISPLAY-OUTPUT: 2

AMO-TDCSU-108 DIGITAL TRUNKS

DISPLAY COMPLETED;

REFTA

<dis-refta

TYPE = circuit

PEN = 1-1-85-7;

DIS-REFTA:CIRCUIT,1-1-85-7;

H500: AMO REFTA STARTED

```

+-----+
| REFERENCE CLOCK CIRCUITS |

```



```

+-----+-----+-----+-----+-----+-----+-----+-----+
| PEN          | MODULE | DEVICE  | PRI  | ERROR  | BLOCK | SUPP.  | READY |
|              |        |         |      |        |        |        | BUT   |
|              |        |         |      |        |        |        | ASYN. |
+-----+-----+-----+-----+-----+-----+-----+
| 1- 1- 85- 7 | STMD   | SOCONN  | 0    | 16000 | N     |        | N     |
+-----+-----+-----+-----+-----+-----+-----+

```

AMO-REFTA-108 REFERENCE CLOCK TABLE

DISPLAY COMPLETED;

LDAT

<dis-l dat

TYPE = lcr

LROUTE = ;

DIS-LDAT:LCR, ;

H500: AMO LDAT STARTED

```

+-----+-----+-----+-----+-----+-----+-----+-----+
| LROUTE = 1   LDPLN      NAME = CENTRAL OFFICE          SERVICE = ALL |
| TYPE = LCR                                     DNNO OF ROUTE = 1 -1 -999 |
| SERVICE INFO =                               |
+-----+-----+-----+-----+-----+-----+-----+-----+
|          |          |          |          |          | SCHEDULE | CARRIER  | BAND |          |
| LRTEL   | LVAL   | TGRP   | ODR   | LAUTH  | ABCDEFGH |          | ZONE | WIDTH | LATTR |
+-----+-----+-----+-----+-----+-----+-----+-----+
|    1   |    1   |    30  |    1  |    1   | ***** |    1     | EMPTY |    1  | NONE  |
+-----+-----+-----+-----+-----+-----+-----+-----+
| LROUTE = 31  LDPLN      NAME = E&M                          SERVICE = VCE |
| TYPE = LCR                                     DNNO OF ROUTE = 1 -1 -999 |
| SERVICE INFO =                               |

```




```

|          | DNNO = 1 -1 -999          |          |
+-----+-----+-----+-----+-----+-----+-----+-----+
| LROUTE = 40   LDPLN      NAME = BRI TRUNK          SERVICE = ALL |
| TYPE = LCR                                DNNO OF ROUTE = 1 -1 -999 |
| SERVICE INFO =                               |
+-----+-----+-----+-----+-----+-----+-----+-----+
|          |          |          |          |          | SCHEDULE | CARRIER | BAND |          |
| LRTEL | LVAL | TGRP | ODR | LAUTH | ABCDEFGH |          | ZONE | WIDTH | LATTR |
+-----+-----+-----+-----+-----+-----+-----+-----+
|    1 |    1 |   40 |   1 |   1 | ***** |   1   | EMPTY |   1 |   NONE |
+-----+-----+-----+-----+-----+-----+-----+-----+

```

AMO-LDAT -208 LCR-DIRECTIONS

DISPLAY COMPLETED;

RICHT

<<dis-richt

MODE = lrte

LRTE = 37;

DIS-RICHT:LRTE,37;

H500: AMO RICHT STARTED

```

+-----+-----+-----+-----+-----+-----+-----+-----+
| LRTE = 37   NAME = PRI TEST          SRVC = ALL |
| DNNO = 1 -1 -999          |
| ROUTOPT = NO   REROUT = YES   PLB = NO   FWDBL = NO |
| MFV: CNV=WITHOUT DSP=WITHOUT TEXT=          PULS= |
| ROUTENO =    11 BUGS = LIN          MAINGROUP =    11 |
| INFO =                               |
+-----+-----+-----+-----+-----+-----+-----+-----+
| TGRP = 37   LDAT      PRI TEST          SUBGROUP =    10 |
+-----+-----+-----+-----+-----+-----+-----+-----+

```



AMO-RICHT-208 TRUNK ROUTING
DISPLAY COMPLETED;

LODR

<dis-lodr

ODR = 1

INFOPAT = ;

DIS-LODR:1,;

H500: AMO LODR STARTED

```
+-----+
| ODR      POSITION  CMD          PARAMETER          |
+-----+-----+-----+-----+
|   1      |   1    ECHO          2          |
|          |   2    END           |
+-----+-----+-----+-----+
|INFO:PSTN |
+-----+-----+-----+-----+
```

H03: THE NEXT FREE ODR IS 4

AMO-LODR -208 ADMINISTRATION OF LCR OUTDIAL RULES
DISPLAY COMPLETED;

<

Siemens Digital Phone configuration

<dis-sbcusu

STNO = 5000

TYPE = termdata;



DIS-SBCSU:5000,TERMDATA;

H500: AMO SBCSU STARTED

----- USER DATA -----

STNO	=5000	OPT	=OPTI	COS1	=7	DPLN	=0	SPDI	=Y
MAINO	=5000	CONN	=DIR	COS2	=7	ITR	=0	SPDC1	=0
PEN	= 1-	1-	79-	1		LCOSV1	=31	COSX	=0
						SPDC2	=1		
INS	=Y	STD	=3	LCOSV2	=31	SERVID	=0	CBKBMAX	=5
		SECR	=N	LCOSD1	=31	DSSTNA	=N	RCBKB	=N
SSTNO	=N	DIGNODIS	=N	LCOSD2	=31	DSSTNB	=Y	RCBKNA	=N
TRACE	=N	HFREE	=	ASYNCT	=500	PERMACT	=	CBKNAMB	=Y
ALARMNO	=0	HMUSIC	=0	API	=N	TEXTSEL	=ENGLISH		
EXTBUS	=	REP	=0	OPTICOM	=N	OPTISPA	:0	DLAUT	=
CALLOG	=NONE	IDCR	=N	OPTICA	=0	OPTIS0A	:0	DLMAN	=
		HEADSET	=N	OPTIDA	=0	OPTIABA	:0	PRIO	=
		HSKEY	=NORMAL	ATMADDR	=			VPI	=
		DFSVCANA	=	TFAGRP	=	PATTERN	=	VCI	=
DVCFIG	=OPTISET	TSI	=1	SOPTIDX	=	SPROT	=		
				DOPTIDX	=	DPROT	=		
				FOPTIDX	=	FPROT	=		
				TOPTIDX	=	TPROT	=		
				VOPTIDX	=	VPROT	=		

----- ACTIVATION IDENTIFIERS FOR FEATURES -----

FWDS	:N	FWDT	:N	FWDV	:N	FWDF	:N	FWDD	:N
HTOS	:N	HTOT	:N	HTOV	:N	HTOF	:N	HTOD	:N
DND	:N	VCP	:Y	CWT	:N			TCLOGIN	:N

----- FEATURES AND GROUP MEMBERSHIPS -----

ESSTN	:								
PUGR	:	HUNTING GROUP	:	N					
KEYSYS	:N	NIGHT OPTION	:	N	ASSOCIATED STN	:	N		

----- SUBSCRIBER ATTRIBUTES (AMO SDAT) -----

NONE



AMO-SBCSU-108 STATION AND S0-BUS CONFIGURATION OF SWITCHING UNIT

DISPLAY COMPLETED;

Configuring the Cisco 2650XM Router

Sho Version

Cisco Internetwork Operating System Software
IOS (tm) C2600 Software (C2600-IS-M), Version 12.2(12.12)T, MAINTENANCE INTERIM
SOFTWARE

TAC Support: <http://www.cisco.com/tac>
Copyright (c) 1986-2002 by cisco Systems, Inc.
Compiled Mon 14-Oct-02 02:57 by ccai
Image text-base: 0x80008098, data-base: 0x8183168C

ROM: System Bootstrap, Version 12.2(7r) [cmong 7r], RELEASE SOFTWARE (fc1)

2650XM_BRI uptime is 5 days, 19 hours, 45 minutes
System returned to ROM by reload
System image file is "flash:c2600-is-mz.122-12.12.T"

cisco 2650XM (MPC860P) processor (revision 0x100) with 126976K/4096K bytes of me
mory.

Processor board ID JAD06150HXS (761445799)

M860 processor: part number 5, mask 2

Bridging software.

X.25 software, Version 3.0.0.

Basic Rate ISDN software, Version 1.1.

1 FastEthernet/IEEE 802.3 interface(s)

2 ISDN Basic Rate interface(s)

4 Voice NT or TE BRI interface(s)

32K bytes of non-volatile configuration memory.

49152K bytes of processor board System flash (Read/Write)

Configuration register is 0x2

Sho Diag

2650XM_BRI#sho diag

Slot 0:

C2650XM 1FE Mainboard Port adapter, 1 port

Port adapter is analyzed

Port adapter insertion time unknown

EEPROM contents at hardware discovery:

Hardware Revision : 1.0

PCB Serial Number : JAD06150HXS (761445799)

Part Number : 73-7755-02

RMA History : 00

RMA Number : 0-0-0-0

Board Revision : A0

Deviation Number : 0-0

EEPROM format version 4

EEPROM contents (hex):

0x00: 04 FF 40 03 6E 41 01 00 C1 17 4A 41 44 30 36 31

0x10: 35 30 48 58 53 20 28 37 36 31 34 34 35 37 39 39

0x20: 29 82 49 1E 4B 02 04 00 81 00 00 00 00 42 41 30

0x30: 80 00 00 00 00 FF FF FF FF FF FF FF FF FF FF

0x40: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF



```
0x50: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x60: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x70: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
```

Slot 1:

```
4 PORT Voice PM for C2600 Port adapter
Port adapter is analyzed
Port adapter insertion time unknown
EEPROM contents at hardware discovery:
Hardware revision 1.1          Board revision C0
Serial number 10560635        Part number 800-02491-02
FRU Part Number: NM-2V=
```

```
Test history 0x0              RMA number 00-00-00
EEPROM format version 1
EEPROM contents (hex):
0x20: 01 65 01 01 00 A1 24 7B 50 09 BB 02 00 00 00 00
0x30: 60 00 00 00 98 10 24 17 FF FF FF FF FF FF FF FF
```

VIC Slot 0:

```
NT or TE BRI Voice daughter card (2 port)
Hardware revision 1.0          Board revision E0
Serial number 28528711        Part number 800-07272-03
Test history 0x0              RMA number 00-00-00
```

Connector type PCI

```
EEPROM format version 1
EEPROM contents (hex):
0x20: 01 32 01 00 01 B3 50 47 50 1C 68 03 00 00 00 00
0x30: 70 00 00 00 02 08 02 00 FF FF FF FF FF FF FF FF
```

2650XM_BRI#

Show Config

```
2650XM_BRI#sho config
Using 1308 out of 29688 bytes
!
version 12.2
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname 2650XM_BRI
!
boot system flash:c2600-is-mz.122-12.12.T
!
ip subnet-zero
!
!
no ip domain lookup
ip host danube 171.69.17.14
ip host dirt 171.69.1.129
ip host whiz 171.69.1.162
!
isdn switch-type basic-qsig
!
!
voice call carrier capacity active
!
!
!
```



```
!  
!  
!  
!  
!  
mta receive maximum-recipients 0  
!  
!  
!  
interface FastEthernet0/0  
  ip address 100.100.100.1 255.255.255.0  
  duplex auto  
  speed auto  
!  
interface BRI1/0  
  no ip address  
  isdn switch-type basic-qsig  
  isdn overlap-receiving  
  isdn incoming-voice voice  
  isdn skipsend-idverify  
!  
interface BRI1/1  
  no ip address  
  isdn switch-type basic-qsig  
!  
ip classless  
no ip http server  
!  
!  
dialer-list 1 protocol ip permit  
!  
call rsvp-sync  
!  
voice-port 1/0/0  
  compand-type a-law  
!  
voice-port 1/0/1  
!  
!  
mgcp profile default  
!  
!  
!  
dial-peer cor custom  
!  
!  
!  
dial-peer voice 1 pots  
  destination-pattern 5...  
  direct-inward-dial  
  port 1/0/0  
  prefix 5  
!  
dial-peer voice 3 voip  
  destination-pattern 3...  
  session target ipv4:100.100.100.2  
!  
dial-peer voice 2 voip  
  destination-pattern 4000  
  session target ipv4:100.100.100.2  
!  
dial-peer voice 5 pots
```



```
destination-pattern 5005
!  
!  
line con 0  
line aux 0  
line vty 0 4  
  login  
line vty 5 15  
  login  
!  
!  
end
```

Important Information

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