



Cisco 3600 Series Gateway-PBX Interoperability: Ericsson MD-110 with E1 PRI Signaling

This document describes the interoperability and configuration of a Cisco 3600 series voice gateway with an Ericsson MD-110 PBX using E1 PRI signaling. It includes the following sections:

- System Components
- Configuration Tasks
- Caveats

System Components

PBX Model	Ericsson MD-110
PBX Release	ASB50104-R6-SES-R9-BC90D/CNI80
Telephony Signaling	E1 PRI
Voice Gateway	Cisco 3640
Gateway Release	Cisco IOS™ 12.2(1)
VoX Protocol	H.323

Configuration Tasks

See the following sections for configuration tasks for this feature:

- Set Up
- Ericsson PBX Configuration
- Cisco 3640 Gateway Configuration

Set Up

This section includes the following information:

- Connectivity Diagrams
- Set Up Notes

Connectivity Diagrams

Figure 1: Test Configuration

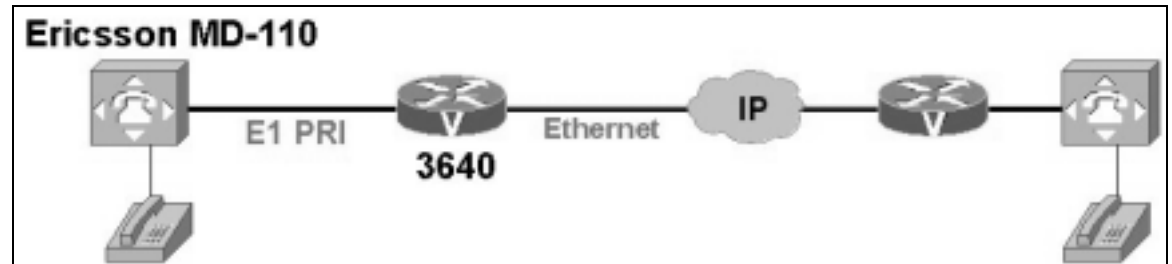



Figure 1 represents the configuration used for testing: an Ericsson MD-110 PBX connected to a Cisco 3640 voice gateway via an E1 PRI NET5 connection.

Set Up Notes

- The Ericsson MD-110 uses a command line interface that changes many switch features with a single command. The PBX documentation must be consulted to make changes. Physical layer parameters, along with many other features, are controlled by using **RODAI** command.
- The Cisco 3640 gateway with an ISDN switch type setting of primary-net5 supports both Network and User protocol sides by using the **isdn protocol-emulate {network | user}** command.
- Configuring the Ericsson MD-110 operation to be Master (or Network) side sets the Layers 2 & 3 protocol side setting to master as well. Therefore, the Cisco 3640 gateway should be set to Slave protocol side by issuing the **isdn protocol-emulate user** command.
- Similarly, if the Ericsson MD-110 operation is set for Slave (or user) side, layers 2 & 3 protocol side are set for slave side. The Cisco 3640 gateway should be set to Master protocol side by issuing the **isdn protocol-emulate network** command.
- The Ericsson MD-110 supports both USER (peer-slave) and NETWORK (peer-master) protocol sides by using the **RODAI** command.

Ericsson PBX Configuration

 **Note:** All parameters and options for the Ericsson MD-110 PBX are mapped to position-dependent numeric fields within the various commands listed below. To understand each field position's meaning, you must have the correct version of the Ericsson MD-110 PBX Administration Manual.

Ericsson PBX Version Information

< • CADAP ;

CALENDAR DATA

IDENTITY=CISCO-SYSTEMS
VERSION=ASB50104-R6-SES-R9-BC90D/CNI80

CALENDAR TIME NOT VALID
03:32:31
TUE 15 MAY 2001
END

Ericsson PBX Sample Configuration

See the following sections for sample PBX configuration:

- Class of Service and Class of Restriction
- E1-PRI D-Channel Signaling Parameters
- E1-PRI B-Channel Physical Parameters
- E1-PRI Trunk Status
- Telephone COS, Restrictions, Naming Conventions, Etc.
- Telephone Key Mapping Table
- E1-PRI Route Data Blk, Protocol Side User
- E1-PRI Route Data Blk, Protocol Side Network
- List of Equipment

Class of Service and Class of Restriction

Route Information

<•RODDP:DEST=ALL;
EXTERNAL DESTINATION ROUTE DATA

DEST	DRN	ROU	CHO	CUST	ADC	TRC	SRT	NUMACK	PRE
2		9			100500000000025000	0	1	0	
30		1			100500000000025000	0	3	0	
31		2			100500000000025000	0	3	0	
32		3			100500000000025000	0	3	0	
33		4			100500000000025000	0	3	0	
34		5			100500000000025000	0	3	0	
35		6			000500000000025000	0	3	0	
36		7			000500000000025000	0	3	0	
37		8			000500000000025000	0	3	0	
39		10			100500000000025000	0	3	0	
40		11			100500000000025000	0	3	0	

END

 **Note:** PRI uses Route 9.

E1-PRI D-Channel Signaling Parameters

Route Category Data

<•ROCAP:ROU=9;
ROUTE CATEGORY DATA

ROU	SEL	TRM	SERV	NODG	DIST	DISL	TRAF	SIG	BCAP
9	711000000000	7	3110000010	0	5	20	03151515	211100000031	111111

END

E1-PRI B-Channel Physical Parameters

```
<•ROEDP:ROU=9,TRU=ALL;
ROUTE EQUIPMENT DATA
```

ROU	TRU	EQU	SQU	INDDAT
9	001-1	001-1-40-01		H'000000000000
9	001-2	001-1-40-02		H'000000000000
9	001-3	001-1-40-03		H'000000000000
9	001-4	001-1-40-04		H'000000000000
9	001-5	001-1-40-05		H'000000000000
9	001-6	001-1-40-06		H'000000000000
9	001-7	001-1-40-07		H'000000000000
9	001-8	001-1-40-08		H'000000000000
9	001-9	001-1-40-09		H'000000000000
9	001-10	001-1-40-10		H'000000000000
9	001-11	001-1-40-11		H'000000000000
9	001-12	001-1-40-12		H'000000000000
9	001-13	001-1-40-13		H'000000000000
9	001-14	001-1-40-14		H'000000000000
9	001-15	001-1-40-15		H'000000000000
9	001-17	001-1-40-17		H'000000000000
9	001-18	001-1-40-18		H'000000000000
9	001-19	001-1-40-19		H'000000000000
9	001-20	001-1-40-20		H'000000000000
9	001-21	001-1-40-21		H'000000000000
9	001-22	001-1-40-22		H'000000000000
9	001-23	001-1-40-23		H'000000000000
9	001-24	001-1-40-24		H'000000000000
9	001-25	001-1-40-25		H'000000000000
9	001-26	001-1-40-26		H'000000000000
9	001-27	001-1-40-27		H'000000000000
9	001-28	001-1-40-28		H'000000000000
9	001-29	001-1-40-29		H'000000000000
9	001-30	001-1-40-30		H'000000000000
9	001-31	001-1-40-31		H'000000000000

```
END
```

E1-PRI Trunk Status

```
<•SUSIP:ROU=9, TRU=ALL;
STATUS INFORMATION AT 00:00:00 01JAN00
```

ROU	TRU	TYPE	TRAFFIC STATE/PTR	LINE STATE/PTR	ADD INFO
9	001-1	TL60	IDLE	#009B FREE	#0061
9	001-2	TL60	IDLE	#009A FREE	#0060
9	001-3	TL60	IDLE	#0099 FREE	#005F
9	001-4	TL60	IDLE	#0098 FREE	#005E
9	001-5	TL60	IDLE	#0097 FREE	#005D
9	001-6	TL60	IDLE	#0096 FREE	#005C
9	001-7	TL60	IDLE	#0095 FREE	#005B
9	001-8	TL60	IDLE	#0094 FREE	#005A
9	001-9	TL60	IDLE	#0093 FREE	#0059
9	001-10	TL60	IDLE	#0092 FREE	#0058
9	001-11	TL60	IDLE	#0091 FREE	#0057
9	001-12	TL60	IDLE	#0090 FREE	#0056
9	001-13	TL60	IDLE	#008F FREE	#0055
9	001-14	TL60	IDLE	#008E FREE	#0054
9	001-15	TL60	IDLE	#008D FREE	#0053
9	001-17	TL60	IDLE	#007D FREE	#0070
9	001-18	TL60	IDLE	#007C FREE	#006F
9	001-19	TL60	IDLE	#007B FREE	#006E
9	001-20	TL60	IDLE	#007A FREE	#006D
9	001-21	TL60	IDLE	#0079 FREE	#006C
9	001-22	TL60	IDLE	#0078 FREE	#006B
9	001-23	TL60	IDLE	#0077 FREE	#006A
9	001-24	TL60	IDLE	#0076 FREE	#0069

```

9    001-25  TL60  IDLE          #0075  FREE    #0068
9    001-26  TL60  IDLE          #0074  FREE    #0067
9    001-27  TL60  IDLE          #0073  FREE    #0066
9    001-28  TL60  IDLE          #0072  FREE    #0065
9    001-29  TL60  IDLE          #0071  FREE    #0064
9    001-30  TL60  IDLE          #0070  FREE    #0063
9    001-31  TL60  IDLE          #006F  FREE    #0062
END

```

Telephone COS, Restrictions, Naming Conventions, Etc.

```

<•KSCAP:DIR=ALL;
KEY SYSTEM CATEGORY PRINT

```

DIR	TRAF	SERV	CDIV	ROC	ITYPE	TRM	ADC
5000	03151515	02001207	011151111	7237	21	1	00100013010
5001	03151515	02001207	011151111	7237	21	1	00100013010
5002	03151515	02001207	011151111	7237	21	1	00100013010
5003	03151515	02001207	011151111	7237	21	1	00100013010
5006	03151515	02001207	011151111	7237	21	1	00100013010
5007	03151515	02001207	011151111	7237	21	1	00100013010

END

Telephone Key Mapping Table

```

<•KSFKP:DIR=ALL;
KEY SYSTEM FUNCTION KEY DATA PRINT

```

DIR = 5000

KEY	KTYPE	VALUE	DIG
00	PGM		
01	FCN	TNS	
02	FCN	TNS	
03	FCN	CNF	
04	SKI	F1	
05	SKI	F2	
06	SKI	F3	
07	SKI	F4	
08	SKI	MENU	
09	ODN	5000	
10	ODN	5000	
11	ODN	5000	
13	FCN	TNS	
14	FCN	CAD	
15	FCN	TNS	
16	FCN	TNS	
17	FCN	TNS	
18	FCN	TNS	
19	FCN	TNS	
20	FCN	TNS	
21	FCN	TNS	
22	FCN	TNS	
23	FCN	TNS	
24	FCN	TNS	
25	FCN	TNS	
26	FCN	TNS	
27	FCN	TNS	
28	FCN	TNS	
29	FCN	TNS	
30	FCN	TNS	
31	FCN	TNS	
32	FCN	TNS	
33	FCN	TNS	

34	FCN	TNS
35	FCN	TNS
36	FCN	TNS
37	FCN	TNS
38	FCN	TNS
39	FCN	TNS
40	FCN	TNS

DIR = 5001

KEY	KTYPE	VALUE	DIG
00	PGM		
01	FCN	TNS	
02	FCN	TNS	
03	FCN	CNF	
04	SKI	F1	
05	SKI	F2	
06	SKI	F3	
07	SKI	F4	
08	SKI	MENU	
09	ODN	5001	
10	ODN	5001	
11	ODN	5001	
13	FCN	TNS	
14	FCN	CAD	
15	FCN	TNS	
16	FCN	TNS	
17	FCN	TNS	
18	FCN	TNS	
19	FCN	TNS	
20	FCN	TNS	
21	FCN	TNS	
22	FCN	TNS	
23	FCN	TNS	
24	FCN	TNS	
25	FCN	TNS	
26	FCN	TNS	
27	FCN	TNS	
28	FCN	TNS	
29	FCN	TNS	
30	FCN	TNS	
31	FCN	TNS	
32	FCN	TNS	
33	FCN	TNS	
34	FCN	TNS	
35	FCN	TNS	
36	FCN	TNS	
37	FCN	TNS	
38	FCN	TNS	
39	FCN	TNS	
40	FCN	TNS	

DIR = 5002

KEY	KTYPE	VALUE	DIG
00	PGM		
01	FCN	TNS	
02	FCN	TNS	
03	FCN	CNF	
04	SKI	F1	
05	SKI	F2	
06	SKI	F3	
07	SKI	F4	
08	SKI	MENU	
09	ODN	5002	
10	ODN	5002	
11	ODN	5002	
13	FCN	TNS	

```

14      FCN      CAD
15      FCN      TNS
16      FCN      TNS
17      FCN      TNS
18      FCN      TNS
19      FCN      TNS
20      FCN      TNS
21      FCN      TNS
22      FCN      TNS
23      FCN      TNS
24      FCN      TNS
25      FCN      TNS
26      FCN      TNS
27      FCN      TNS
28      FCN      TNS
29      FCN      TNS
30      FCN      TNS
31      FCN      TNS
32      FCN      TNS
33      FCN      TNS
34      FCN      TNS
35      FCN      TNS
36      FCN      TNS
37      FCN      TNS
38      FCN      TNS
39      FCN      TNS
40      FCN      TNS

```

END

E1-PRI Route Data Blk, Protocol Side User

```

<•RODAP:ROU=9;
ROUTE DATA

```

ROU	TYPE	VARC	VARI	VARO	FILTER
9	SL60	H'00000010	H'05400000	H'06110000	NO

END

E1-PRI Route Data Blk, Protocol Side Network

```

<•RODAP:ROU=9;
ROUTE DATA

```

ROU	TYPE	VARC	VARI	VARO	FILTER
9	SL60	H'00000010	H'05400000	H'06310000	NO

END

List of Equipment

```

<•SYEDP:LIM=1;

```

SYSTEM EQUIPMENT DATA

EQU	BOARDID	TYPE	DIR	ROU/TRU
001-0-00-00	71	SL 63		1/001-01
001-0-00-01	71	SL 63		1/001-02
001-0-00-02	71	SL 63		1/001-03
001-0-00-03	71	SL 63		1/001-04
001-0-00-04	71	SL 63		1/001-05
001-0-00-05	71	SL 63		1/001-06
001-0-00-06	71	SL 63		1/001-07

001-0-00-07	71	SL 63	1/001-08
001-0-00-08	71	SL 63	1/001-09
001-0-00-09	71	SL 63	1/001-10
001-0-00-10	71	SL 63	1/001-11
001-0-00-11	71	SL 63	1/001-12
001-0-00-12	71	SL 63	1/001-13
001-0-00-13	71	SL 63	1/001-14
001-0-00-14	71	SL 63	1/001-15
001-0-00-15	71	SL 63	1/001-16
001-0-00-16	71	SL 63	1/001-17
001-0-00-17	71	SL 63	1/001-18
001-0-00-18	71	SL 63	1/001-19
001-0-00-19	71	SL 63	1/001-20
001-0-00-20	71	SL 63	1/001-21
001-0-00-21	71	SL 63	1/001-22
001-0-00-22	71	SL 63	1/001-23
001-0-00-23	71	-	
001-0-10-00	102	AD 0	
001-0-10-01	102	AD 0	
001-0-10-02	102	AD 0	
001-0-10-03	102	AD 0	
001-0-10-04	102	AD 0	
001-0-10-05	102	AD 0	
001-0-10-06	102	AD 0	
001-0-10-07	102	AD 0	
001-0-10-08	102	AD 0	
001-0-10-09	102	AD 0	
001-0-10-10	102	AD 0	
001-0-10-11	102	AD 0	
001-0-10-12	102	AD 0	
001-0-10-13	102	AD 0	
001-0-10-14	102	AD 0	
001-0-10-15	102	AD 0	
001-0-10-16	102	AD 0	
001-0-10-17	102	AD 0	
001-0-10-18	102	AD 0	
001-0-10-19	102	AD 0	
001-0-10-20	102	AD 0	
001-0-10-21	102	AD 0	
001-0-10-22	102	AD 0	
001-0-10-23	102	AD 0	
001-0-10-24	102	AD 0	
001-0-10-25	102	AD 0	
001-0-10-26	102	AD 0	
001-0-10-27	102	AD 0	
001-0-10-28	102	AD 0	
001-0-10-29	102	AD 0	
001-0-10-30	102	AD 0	
001-0-10-31	102	AD 0	
001-0-20-00	71	SL 63	2/001-01
001-0-20-01	71	SL 63	2/001-02
001-0-20-02	71	SL 63	2/001-03
001-0-20-03	71	SL 63	2/001-04
001-0-20-04	71	SL 63	2/001-05
001-0-20-05	71	SL 63	2/001-06
001-0-20-06	71	SL 63	2/001-07
001-0-20-07	71	SL 63	2/001-08
001-0-20-08	71	SL 63	2/001-09
001-0-20-09	71	SL 63	2/001-10
001-0-20-10	71	SL 63	2/001-11
001-0-20-11	71	SL 63	2/001-12
001-0-20-12	71	SL 63	2/001-13
001-0-20-13	71	SL 63	2/001-14
001-0-20-14	71	SL 63	2/001-15
001-0-20-15	71	SL 63	2/001-16
001-0-20-16	71	SL 63	2/001-17
001-0-20-17	71	SL 63	2/001-18
001-0-20-18	71	SL 63	2/001-19
001-0-20-19	71	SL 63	2/001-20
001-0-20-20	71	SL 63	2/001-21
001-0-20-21	71	SL 63	2/001-22
001-0-20-22	71	SL 63	2/001-23

001-0-20-23	71	-	
001-0-30-00	71	SL 63	3/001-01
001-0-30-01	71	SL 63	3/001-02
001-0-30-02	71	SL 63	3/001-03
001-0-30-03	71	SL 63	3/001-04
001-0-30-04	71	SL 63	3/001-05
001-0-30-05	71	SL 63	3/001-06
001-0-30-06	71	SL 63	3/001-07
001-0-30-07	71	SL 63	3/001-08
001-0-30-08	71	SL 63	3/001-09
001-0-30-09	71	SL 63	3/001-10
001-0-30-10	71	SL 63	3/001-11
001-0-30-11	71	SL 63	3/001-12
001-0-30-12	71	SL 63	3/001-13
001-0-30-13	71	SL 63	3/001-14
001-0-30-14	71	SL 63	3/001-15
001-0-30-15	71	SL 63	3/001-16
001-0-30-16	71	SL 63	3/001-17
001-0-30-17	71	SL 63	3/001-18
001-0-30-18	71	SL 63	3/001-19
001-0-30-19	71	SL 63	3/001-20
001-0-30-20	71	SL 63	3/001-21
001-0-30-21	71	SL 63	3/001-22
001-0-30-22	71	SL 63	3/001-23
001-0-30-23	71	-	
001-0-40-00	52	TL 45	4/001-01
001-0-40-01	52	TL 45	4/001-02
001-0-40-02	52	TL 45	4/001-03
001-0-40-03	52	TL 45	4/001-04
001-0-40-04	52	TL 45	4/001-05
001-0-40-05	52	TL 45	4/001-06
001-0-40-06	52	TL 45	4/001-07
001-0-40-07	52	TL 45	4/001-08
001-0-40-08	52	TL 45	4/001-09
001-0-40-09	52	TL 45	4/001-10
001-0-40-10	52	TL 45	4/001-11
001-0-40-11	52	TL 45	4/001-12
001-0-40-12	52	TL 45	4/001-13
001-0-40-13	52	TL 45	4/001-14
001-0-40-14	52	TL 45	4/001-15
001-0-40-15	52	TL 45	4/001-16
001-0-40-16	52	TL 45	4/001-17
001-0-40-17	52	TL 45	4/001-18
001-0-40-18	52	TL 45	4/001-19
001-0-40-19	52	TL 45	4/001-20
001-0-40-20	52	TL 45	4/001-21
001-0-40-21	52	TL 45	4/001-22
001-0-40-22	52	TL 45	4/001-23
001-0-40-23	52	TL 45	4/001-24
001-0-50-00	31	OL 1	5011
001-0-60-00	69	-	
001-0-60-01	69	-	
001-0-60-02	69	-	
001-0-60-03	69	-	
001-0-70-00	42	-	
001-0-70-01	42	-	
001-0-70-02	42	-	
001-0-70-03	42	-	
001-0-70-04	42	-	
001-0-70-05	42	-	
001-0-70-06	42	-	
001-0-70-07	42	-	
001-0-70-08	42	-	
001-0-70-09	42	-	
001-0-70-10	42	-	
001-0-70-11	42	-	
001-0-70-12	42	-	
001-0-70-13	42	-	
001-0-70-14	42	-	
001-0-70-15	42	-	
001-0-70-16	42	-	
001-0-70-17	42	-	

001-0-70-18	42	-	
001-0-70-19	42	-	
001-0-70-20	42	-	
001-0-70-21	42	-	
001-0-70-22	42	-	
001-0-70-23	42	-	
001-0-70-24	42	-	
001-0-70-25	42	-	
001-0-70-26	42	-	
001-0-70-27	42	-	
001-0-70-28	42	-	
001-0-70-29	42	-	
001-0-70-30	42	-	
001-0-70-31	42	-	
001-1-00-00	52	TL 45	5/001-01
001-1-00-01	52	TL 45	5/001-02
001-1-00-02	52	TL 45	5/001-03
001-1-00-03	52	TL 45	5/001-04
001-1-00-04	52	TL 45	5/001-05
001-1-00-05	52	TL 45	5/001-06
001-1-00-06	52	TL 45	5/001-07
001-1-00-07	52	TL 45	5/001-08
001-1-00-08	52	TL 45	5/001-09
001-1-00-09	52	TL 45	5/001-10
001-1-00-10	52	TL 45	5/001-11
001-1-00-11	52	TL 45	5/001-12
001-1-00-12	52	TL 45	5/001-13
001-1-00-13	52	TL 45	5/001-14
001-1-00-14	52	TL 45	5/001-15
001-1-00-15	52	TL 45	5/001-16
001-1-00-16	52	TL 45	5/001-17
001-1-00-17	52	TL 45	5/001-18
001-1-00-18	52	TL 45	5/001-19
001-1-00-19	52	TL 45	5/001-20
001-1-00-20	52	TL 45	5/001-21
001-1-00-21	52	TL 45	5/001-22
001-1-00-22	52	TL 45	5/001-23
001-1-00-23	52	TL 45	5/001-24
001-1-10-00	102	AD 0	
001-1-10-01	102	AD 0	
001-1-10-02	102	AD 0	
001-1-10-03	102	AD 0	
001-1-10-04	102	AD 0	
001-1-10-05	102	AD 0	
001-1-10-06	102	AD 0	
001-1-10-07	102	AD 0	
001-1-10-08	102	AD 0	
001-1-10-09	102	AD 0	
001-1-10-10	102	AD 0	
001-1-10-11	102	AD 0	
001-1-10-12	102	AD 0	
001-1-10-13	102	AD 0	
001-1-10-14	102	AD 0	
001-1-10-15	102	AD 0	
001-1-10-16	102	AD 0	
001-1-10-17	102	AD 0	
001-1-10-18	102	AD 0	
001-1-10-19	102	AD 0	
001-1-10-20	102	AD 0	
001-1-10-21	102	AD 0	
001-1-10-22	102	AD 0	
001-1-10-23	102	AD 0	
001-1-10-24	102	AD 0	
001-1-10-25	102	AD 0	
001-1-10-26	102	AD 0	
001-1-10-27	102	AD 0	
001-1-10-28	102	AD 0	
001-1-10-29	102	AD 0	
001-1-10-30	102	AD 0	
001-1-10-31	102	AD 0	
001-1-20-00	77	KL 1	5000
001-1-20-01	77	KL 1	5001

001-1-20-02	77	KL 1	5002	
001-1-20-03	77	KL 1	5003	
001-1-20-04	77	KL 1	5006	
001-1-20-05	77	KL 1	5007	
001-1-22-00	87	EL 6	5004	
001-1-22-01	87	EL 6	5005	
001-1-30-00	27	-		
001-1-30-01	27	TL 30		11/001-01
001-1-30-02	27	TL 30		11/001-02
001-1-30-03	27	TL 30		11/001-03
001-1-30-04	27	TL 30		11/001-04
001-1-30-05	27	TL 30		11/001-05
001-1-30-06	27	TL 30		11/001-06
001-1-30-07	27	TL 30		11/001-07
001-1-30-08	27	TL 30		11/001-08
001-1-30-09	27	TL 30		11/001-09
001-1-30-10	27	TL 30		11/001-10
001-1-30-11	27	TL 30		11/001-11
001-1-30-12	27	TL 30		11/001-12
001-1-30-13	27	TL 30		11/001-13
001-1-30-14	27	TL 30		11/001-14
001-1-30-15	27	TL 30		11/001-15
001-1-30-17	27	TL 30		11/001-16
001-1-30-18	27	TL 30		11/001-17
001-1-30-19	27	TL 30		11/001-18
001-1-30-20	27	TL 30		11/001-19
001-1-30-21	27	TL 30		11/001-20
001-1-30-22	27	TL 30		11/001-21
001-1-30-23	27	TL 30		11/001-22
001-1-30-24	27	TL 30		11/001-23
001-1-30-25	27	TL 30		11/001-24
001-1-30-26	27	TL 30		11/001-25
001-1-30-27	27	TL 30		11/001-26
001-1-30-28	27	TL 30		11/001-27
001-1-30-29	27	TL 30		11/001-28
001-1-30-30	27	TL 30		11/001-29
001-1-30-31	27	TL 30		11/001-30
001-1-40-00	57	-		
001-1-40-01	57	SL 60		9/001-01
001-1-40-02	57	SL 60		9/001-02
001-1-40-03	57	SL 60		9/001-03
001-1-40-04	57	SL 60		9/001-04
001-1-40-05	57	SL 60		9/001-05
001-1-40-06	57	SL 60		9/001-06
001-1-40-07	57	SL 60		9/001-07
001-1-40-08	57	SL 60		9/001-08
001-1-40-09	57	SL 60		9/001-09
001-1-40-10	57	SL 60		9/001-10
001-1-40-11	57	SL 60		9/001-11
001-1-40-12	57	SL 60		9/001-12
001-1-40-13	57	SL 60		9/001-13
001-1-40-14	57	SL 60		9/001-14
001-1-40-15	57	SL 60		9/001-15
001-1-40-17	57	SL 60		9/001-17
001-1-40-18	57	SL 60		9/001-18
001-1-40-19	57	SL 60		9/001-19
001-1-40-20	57	SL 60		9/001-20
001-1-40-21	57	SL 60		9/001-21
001-1-40-22	57	SL 60		9/001-22
001-1-40-23	57	SL 60		9/001-23
001-1-40-24	57	SL 60		9/001-24
001-1-40-25	57	SL 60		9/001-25
001-1-40-26	57	SL 60		9/001-26
001-1-40-27	57	SL 60		9/001-27
001-1-40-28	57	SL 60		9/001-28
001-1-40-29	57	SL 60		9/001-29
001-1-40-30	57	SL 60		9/001-30
001-1-40-31	57	SL 60		9/001-31
001-1-50-00	57	-		
001-1-50-01	57	SL 60		10/001-01
001-1-50-02	57	SL 60		10/001-02
001-1-50-03	57	SL 60		10/001-03

001-1-50-04	57	SL 60	10/001-04
001-1-50-05	57	SL 60	10/001-05
001-1-50-06	57	SL 60	10/001-06
001-1-50-07	57	SL 60	10/001-07
001-1-50-08	57	SL 60	10/001-08
001-1-50-09	57	SL 60	10/001-09
001-1-50-10	57	SL 60	10/001-10
001-1-50-11	57	SL 60	10/001-11
001-1-50-12	57	SL 60	10/001-12
001-1-50-13	57	SL 60	10/001-13
001-1-50-14	57	SL 60	10/001-14
001-1-50-15	57	SL 60	10/001-15
001-1-50-17	57	SL 60	10/001-17
001-1-50-18	57	SL 60	10/001-18
001-1-50-19	57	SL 60	10/001-19
001-1-50-20	57	SL 60	10/001-20
001-1-50-21	57	SL 60	10/001-21
001-1-50-22	57	SL 60	10/001-22
001-1-50-23	57	SL 60	10/001-23
001-1-50-24	57	SL 60	10/001-24
001-1-50-25	57	SL 60	10/001-25
001-1-50-26	57	SL 60	10/001-26
001-1-50-27	57	SL 60	10/001-27
001-1-50-28	57	SL 60	10/001-28
001-1-50-29	57	SL 60	10/001-29
001-1-50-30	57	SL 60	10/001-30
001-1-50-31	57	SL 60	10/001-31
001-1-60-00	7	TL 1	7/001-01
001-1-60-01	7	TL 1	7/001-02
001-1-60-02	7	TL 1	7/001-03
001-1-60-03	7	TL 1	7/001-04
001-1-62-00	8	TL 12	6/001-01
001-1-62-01	8	TL 12	6/001-02
001-1-62-02	8	TL 12	6/001-03
001-1-62-03	8	TL 12	6/001-04
001-1-63-00	26	TL 22	8/001-01
001-1-63-01	26	TL 22	8/001-02
001-1-63-02	26	TL 22	8/001-03

END

Cisco 3640 Gateway Configuration

The following is the configuration of the Cisco 3640 voice gateway connected to the Ericsson MD-110 PBX E1 ISDN PRI interface.

Cisco 3640 Voice Gateway Version Information

```
Cisco_3640# show version
```

```
Cisco Internetwork Operating System Software
IOS (tm) 3600 Software (C3640-JS-M), Version 12.2(1), RELEASE SOFTWARE (fc2)
Copyright (c) 1986-2001 by cisco Systems, Inc.
Compiled Fri 27-Apr-01 05:00 by cmong
Image text-base: 0x60008950, data-base: 0x61492000
```

```
ROM: System Bootstrap, Version 11.1(19)AA, EARLY DEPLOYMENT RELEASE SOFTWARE (fc1)
```

```
Cisco_3640 uptime is 18 hours, 53 minutes
System returned to ROM by power-on
System image file is "flash:c3640-js-mz.122-1"
```

```
cisco 3640 (R4700) processor (revision 0x00) with 59392K/6144K bytes of memory.
Processor board ID 10620494
R4700 CPU at 100Mhz, Implementation 33, Rev 1.0
Channelized E1, Version 1.0.
Bridging software.
X.25 software, Version 3.0.0.
```



```
isdn incoming-voice voice
isdn T310 60000
no cdp enable
!
interface Serial1/1:15
no ip address
no logging event link-status
isdn switch-type primary-net5
isdn overlap-receiving
isdn protocol-emulate network
isdn incoming-voice voice
isdn T203 30000
isdn T310 60000
isdn bchan-number-order ascending
no cdp enable
!
ip kerberos source-interface any
ip classless
no ip http server
!
!
!
voice-port 1/0:15
!
voice-port 1/1:15
!
voice-port 2/0/0
!
voice-port 2/0/1
!
voice-port 2/1/0
!
voice-port 2/1/1
!
dial-peer cor custom
!
!
!
dial-peer voice 1 pots
destination-pattern 5...
direct-inward-dial
port 1/1:15
prefix 5
!
dial-peer voice 2 pots
destination-pattern 5100
port 2/0/0
!
dial-peer voice 4 voip
destination-pattern 2...
session target ipv4:100.100.100.2
!
dial-peer voice 5 voip
destination-pattern 2100
session target ipv4:100.100.100.2
!
dial-peer voice 3 pots
destination-pattern 2200
port 2/0/0
!
!
line con 0
transport input none
line aux 0
line vty 0 4
login
!
end
```

Caveats

- Currently, the Ericsson PRI interface does not support the “Calling Name” presentation feature.