

Cisco 2651 Gateway - PBX Interoperability: Alcatel 4400 R3.2 Using Analog FXS/FXO-Loop Start Interfaces with H.323

Introduction

This note describes the interoperability of the Alcatel 4400 R3.2 PBX and the Cisco 2651 router using analog FXS/FXO interface. The signaling protocol is E1 ISDN PRI.

Connectivity is achieved by connecting the analog FXS loop start voice port on Cisco 2651 to the loop start CO trunk port on Alcatel 4400 R3.2 PBX. Then testing is done by connecting the analog FXO loop start voice port on the Cisco 2651 to a loop start analog station (POTS) port on Alcatel 4400 R3.2 PBX.

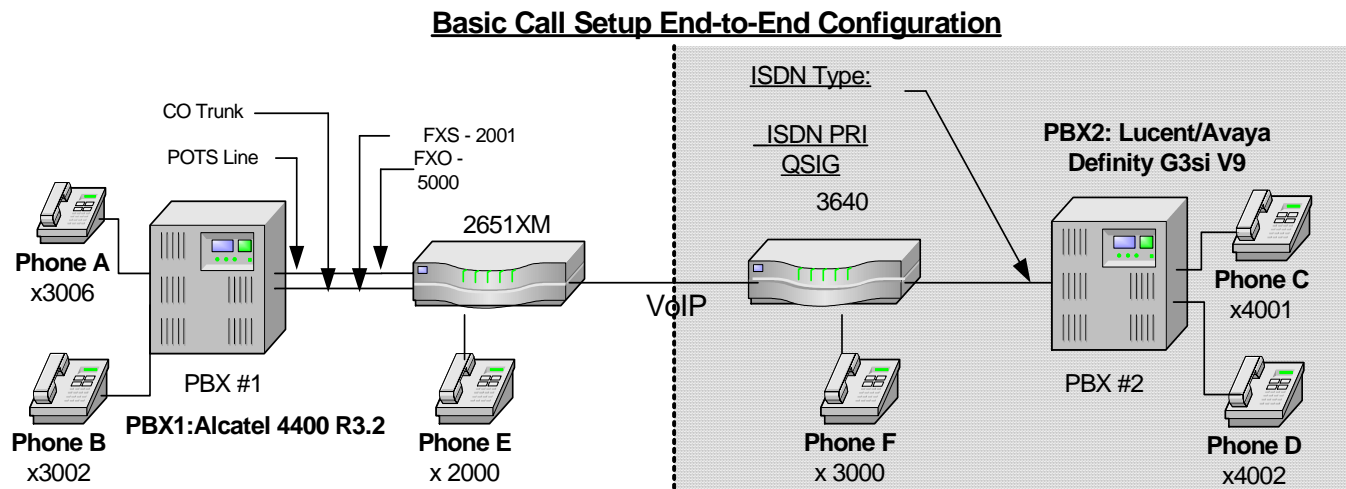
With the FXO configuration on Cisco 2651XM gateway, the PBX POTS circuit does not support Ground-Start signaling.

The Cisco 2651XM FXO port connected to the PBX POTS line answers the call (goes off-hook) before the dialed analog phone on Cisco 3640 gateway or Lucent digital phone is answered.

The network topology diagram shows the end-to-end interoperability.

Network Topology

Figure 1. Network Topology



Limitations

FXO Ground Start Signaling

Ground Start Signaling type is not supported on Alcatel 4400 PBX POTS Line.

FXO Loop Start Signaling

The FXO voice port goes off-hook on the first ring of an incoming seizure, before the targeted phone has answered. The PBX Analog extension does not support disconnect supervision which causes trunk hang issues and long ring-no answer times.



FXO Answer and Disconnect Supervision URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122newft/122t/122t2/ft_ansds.htm

System Components

Hardware Requirements

Cisco 2651 router with analog FXS, FXO and E1 interface cards

Alcatel 4400 R3.2 PBX

Software Requirements

Cisco IOS Release: 12.2(10.7)T6

PBX Software Version: R3.2

Features

Features Supported

Disconnect supervision feature is supported by Cisco VIC-2FXO voice interface card.

Features Not Supported

Alcatel 4400 R3.2 PBX analog pots lines don't support loop-break disconnect.

Configuration

Configure CO loop-start trunk

Configure analog station

Configure digital station

Configuring the Alcatel 4400 R3.2 PBX

CO trunk group configuration

Trunk Group:

Trunk Groups	6
Trunk Group Id	NDDI (BCA)
Trunk Group Type	NDDI
Trunk Group Name	1
Node number	False
Transcom Trunk Group	False
Auto.reserv.by Attendant	False
Overflow trunk group No.	-1
Tone on seizure	True
Private Trunk Group	False
Paging Trunk Group	False
Paging Table Id	-1
Paging Signalization	NDDI
Security Patrol	False
Q931 signal variant	FRANCE ISDN
Operator Id	ANSI
Number Compatible With	1
Prefix Sending	False
Number Of Digits To Send	0
Channel selection type	Quantum
Remote Network	15
Shared Trunk Group	False
T.line Calling last dig.length	0
auto.DTMF dialing on outgoing call	YES
T2 Specificity	None
Public Network Category	0
DDI transcoding	True
Special Services	Nothing



Can support UUS in SETUP Register Signaling True
Decadic/MF Q23

Trunk Detail:

Trunk Group Instance (reserved) 1
Trunk Group Type NDDI (BCA)
Public Network Ref.
Dialing end to end YES
DTMF end to end signal. YES
Paying Incoming Calls NO
TS Permanently assigned YES
Min. Nb.of digits on seize 0
Signal.with access code NO
Trunk group used in DISA NO
DISA Secret Code
VG for non-existent No. YES
Routing To Executive NO
Trunk Category Id -1
Nb of digits unused (ISDN) 0
B Channel Choice NO
Channels Reserved By Attend. 0
Dissuasion For ACD NO
DTO joining NO
Enquiry Call On B Channel NO
DDI Mode NO
Automated Attendant NO
Calling party Rights category 0
Entity Number 1
TS Overflow YES
Number To Be Added
Supervised by Routing NO
Access Cluster Id -1
VPN Cost Limit for Incom.Calls 0
Immediat Trk Listening For VPNCall YES
VPN TS % 50
Csta Monitored NO
Max.% of trunks out CCD 0
Charge Calling And ADN Creation NO
Ratio analog.to ISDN tax
Collect Calls Allowed YES
Priority of Call NO
PCM Network Mode NO
LogicalChannel 1__15 & 17__31
TS Distribution on Accesses YES
Use Split Acces NO
Heterogeneous Remote Network NO
Barring mode Not barred
ARS class of service 31
Quality profile for voice on IP Profile #1
IP compression type Default
Use of volume in system YES
Local volume (dB) 0

Trunk Group Category:

Trunk Category
Trunk Category Id 31
Connection Category Id 5
Waiting Guide True
Overflow Timer on No Reply 300
Overflow Timer on Waiting 300
Trunk Type NDDI (BCA)
Signalling Type Not Relevant
NDDI Trunk\Exchange Type Analog Central
NDDI Trunk\Line Type Short line
NDDI Trunk\Wait for Seizure Ack.Timer 3
NDDI Trunk\Default Transmission True
NDDI Trunk\Default Transmission Delay 1



NDDI Trunk\Type of Dialling	D 66 33
NDDI Trunk\Interdigit Timer on Sending	9
NDDI Trunk\End of Selection	False
NDDI Trunk\Off-hook Presumption Timer	80
NDDI Trunk\Battery Inversion Masking	False
NDDI Trunk\Masking Release	False
NDDI Trunk\Wait for Called Party Answer	False
NDDI Trunk\Wait for Called Answer Timer	80
NDDI Trunk\Charging on Answer	False
NDDI Trunk\Wait for Called Party Reanswer	True
NDDI Trunk\Wait for Caller Release Timer	4
NDDI Trunk\Unavailable Time Betw.2 Seizes	10
NDDI Trunk\Loop Detection on Seizure	False
NDDI Trunk\Min.Incoming Seizure Time	77
NDDI Trunk\Loop Feeding Digit Break Time	16
NDDI Trunk\Loop Feeding Digit Make Time	33
NDDI Trunk\Answer Signal Time	6
DDI Trunk\Line Signaling Default Signaling	
DDI Trunk\Exchange Type	W48
DDI Trunk\Line Type Short line	
DDI Trunk\Send Ready to Receive	True
DDI Trunk\Delay Dialing	False
DDI Trunk\Incoming DTMF Received	False
DDI Trunk\Delay Between Digits on Receiving	90
DDI Trunk\Routing to Attendant	Not used
DDI Trunk\First Digit Authorized\Digit 0	1
DDI Trunk\First Digit Authorized\Digit 1	1
DDI Trunk\First Digit Authorized\Digit 2	1
DDI Trunk\First Digit Authorized\Digit 3	1
DDI Trunk\First Digit Authorized\Digit 4	1
DDI Trunk\First Digit Authorized\Digit 5	1
DDI Trunk\First Digit Authorized\Digit 6	1
DDI Trunk\First Digit Authorized\Digit 7	1
DDI Trunk\First Digit Authorized\Digit 8	1
DDI Trunk\First Digit Authorized\Digit 9	1
DDI Trunk\Number of Digits Received	4
DDI Trunk\Number of Digits Used	3
DDI Trunk\Open Dialling	False
DDI Trunk\End of Selection	False
DDI Trunk\Wait for Caller Release Timer	900
DDI Trunk\Seizure Validation Time	0
DDI Trunk\Loop Feeding Digit Break Time	0
DDI Trunk\Loop Feeding Digit Make Time	0
DDI Trunk\Answer Signal Time	0
DDI Trunk\Caller Release Validation Time	0
DDI Trunk\Incoming Call Unavailable Time	0
PCM PO Trunk\Wait for Seizure Ack.Timer	200
PCM PO Trunk\Type of Dialling	D 66 33
PCM PO Trunk\Interdigit Timer on Sending	0
PCM PO Trunk\Wait for Called Party Answer	False
PCM PO Trunk\Wait for Called Answer Timer	80
PCM PO Trunk\Release MethodNon Compelled Control	
PCM PO Trunk\Wait for Caller Release Timer	300
PCM PO Trunk\Incoming DTMF Received	False
PCM PO Trunk\Delay Between Digits on Receiving	90
PCM PO Trunk\First Digit Authorized\Digit 0	1
PCM PO Trunk\First Digit Authorized\Digit 1	1
PCM PO Trunk\First Digit Authorized\Digit 2	1
PCM PO Trunk\First Digit Authorized\Digit 3	1
PCM PO Trunk\First Digit Authorized\Digit 4	1
PCM PO Trunk\First Digit Authorized\Digit 5	1
PCM PO Trunk\First Digit Authorized\Digit 6	1
PCM PO Trunk\First Digit Authorized\Digit 7	1
PCM PO Trunk\First Digit Authorized\Digit 8	1
PCM PO Trunk\First Digit Authorized\Digit 9	1
PCM PO Trunk\Routing to Attendant	Not used
PCM PO Trunk\Open Dialling	False
PCM PO Trunk\Number of Digits Received	4
PCM PO Trunk\Number of Digits Used	3
R2 Trunk\Voice Guide - Busy Cd party	22



R2 Trunk\Voice Guide - Inacc. Cd party	17
R2 Trunk\Voice Guide - Wrong Number	210
R2 Trunk\Congestion Voice Guide	136
R2 Trunk\Register Signaling	Compelled
R2 Trunk\Line Signalling Default Signaling	
R2 Trunk\Exchange Type	W48
R2 Trunk\Line Type Short line	
R2 Trunk\2 or 4 Voice Wires	2 Wires
R2 Trunk\Short Pulse Duration (x10ms)	15
R2 Trunk\Long Pulse Duration (x10ms)	60
NDDI R2 Trunk\Receive Ready to Receive	True
NDDI R2 Trunk\Seizure Acknowledgment Timer	0
NDDI R2 Trunk\Dial Tone Detection	False
NDDI R2 Trunk\Default Transmission	False
NDDI R2 Trunk\Default Transmission Delay	1
NDDI R2 Trunk\Wait for Called Party Answer	True
NDDI R2 Trunk\Wait for Called Answer Timer	1200
NDDI R2 Trunk\Charging on Answer	False
NDDI R2 Trunk\Release Method Non Compelled Control	
NDDI R2 Trunk\Wait for Called Re-Answer Timer	150
NDDI R2 Trunk\Special Tones Receiving	False
NDDI R2 Trunk\T.for Compelling MF R2 Signals	0
NDDI R2 Trunk\Max.Tim.Without Send Signals	0
NDDI R2 Trunk\Max.Duration Of Pulse	0
NDDI R2 Trunk\PABX Call No.	
NDDI R2 Trunk\Nb Of Digits In Partial Identif.	3
NDDI R2 Group I Signals\Caller Subscriber Category	R2AV F1
NDDI R2 Group I Signals\Request Not Accepted	R2AV F12
NDDI R2 Group I Signals\End Of Caller Identification	R2AV F15
NDDI R2 Group I Signals\End Of Called Party Dialling	Not used
NDDI R2 Group II Signals\Subscriber Without Priority	R2AV F1
NDDI R2 Group II Signals\Attendant	R2AV F5
NDDI R2 Group II Signals\Data Transmission	R2AV F6
NDDI R2 Group II Signals\Toll Call	R2AV F2
NDDI R2 Group II Signals\Local Call Voice	R2AV F3
NDDI R2 Group II Signals\Local Call Fax or Data	R2AV F4
NDDI R2 Group A Signals\Send Next Digit Called Party	A-1
NDDI R2 Group A Signals\Send Last But 1 Digit	A-2
NDDI R2 Group A Signals\End Of Dialling & Wait B Signal	A-3
NDDI R2 Group A Signals\Congestion	A-4
NDDI R2 Group A Signals\Caller Category Request	A-5
NDDI R2 Group A Signals\Complete Dialling & Conversation	A-6
NDDI R2 Group A Signals\Send Last But 2 Digit	A-7
NDDI R2 Group A Signals\Send Last But 3 Digit	A-8
NDDI R2 Group A Signals\Send First Digit	A-9
NDDI R2 Group A Signals\Send Last Digit	Not used
NDDI R2 Group A Signals\Complete Caller Identification	Not used
NDDI R2 Group A Signals\Partial Caller Identification	Not used
NDDI R2 Group A Signals\Send Next Digit Caller	Not used
NDDI R2 Group A Signals\Wrong Called Number	Not used
NDDI R2 Group B Signals\B-1Called Party	Free Charged
NDDI R2 Group B Signals\B-2Called Party	Inaccessible
NDDI R2 Group B Signals\B-3Called Party	Busy
NDDI R2 Group B Signals\B-4Congestion	
NDDI R2 Group B Signals\B-5Called Party	Inaccessible
NDDI R2 Group B Signals\B-6Called Party	Free Charged
NDDI R2 Group B Signals\B-7Called Party	Free Charged
NDDI R2 Group B Signals\B-8Called Party	Inaccessible
NDDI R2 Group B Signals\B-9Called Party	Inaccessible
NDDI R2 Group B Signals\B-10 Called Party	Inaccessible
NDDI R2 Group B Signals\B-11 Called Party	Inaccessible
NDDI R2 Group B Signals\B-12 Called Party	Inaccessible
NDDI R2 Group B Signals\B-13 Called Party	Inaccessible
NDDI R2 Group B Signals\B-14 Called Party	Inaccessible
NDDI R2 Group B Signals\B-15 Called Party	Inaccessible
NDDI R2 Group C Signals\Send First / Next Digit Caller	C-1
NDDI R2 Group C Signals\Change in Gr.A, Send First Digit	C-2
NDDI R2 Group C Signals\End Of Dialling & Wait B Signal	C-3
NDDI R2 Group C Signals\Congestion	C-4



NDDI R2 Group C Signals\Change in Gr.A, Send Next Digit	C-5
NDDI R2 Group C Signals\Change in Gr.A, Send Last Digit	C-6
NDDI R2 Trunk (continued)\Called Release Val.Time	0
NDDI R2 Trunk (continued)\Called Answer Val.Timer	0
NDDI R2 Trunk (continued)\Malicious Call Val.Max.Timer	0
NDDI R2 Trunk (continued)\Malicious Call Val.Min.Timer	0
NDDI R2 Trunk (continued)\Malicious Call Signal Time	0
NDDI R2 Trunk (continued)\Unavailable T.Betw.2 Seizes	40
NDDI Not R2 Trunk With DDI R2\Default Transmission	False
NDDI Not R2 Trunk With DDI R2\Default Transmission	Delay 1
NDDI Not R2 Trunk With DDI R2\Type of Dialling	D 66 33
NDDI Not R2 Trunk With DDI R2\Wait for Called Answer Timer	1200
DDI R2 Trunk\Send Ready to Receive	True
DDI R2 Trunk\Dial Tone Connection	False
DDI R2 Trunk\Number of Digits Received	4
DDI R2 Trunk\Number of Digits Used	4
DDI R2 Trunk\Routing to Attendant	Not used
DDI R2 Trunk\Open Dialling	False
DDI R2 Trunk\Ringback Tone Connection	True
DDI R2 Trunk\Time Before Send Ringback Tone	5
DDI R2 Trunk\Forced Release	False
DDI R2 Trunk\Forced Release Timer	2
DDI R2 Trunk\Send Called Party Answer	True
DDI R2 Trunk\Release MethodNon Compelled Control	
DDI R2 Trunk\Wait for Called Re-Answer Timer	150
DDI R2 Trunk\Intrude On Busy Cd party	False
DDI R2 Trunk\Intrude On Cd party Hang Up	False
DDI R2 Trunk\Groupe B Signal Transmission	True
DDI R2 Trunk\Caller Identification	Not Requested
DDI R2 Trunk\Time Before 1st Digit Detection	0
DDI R2 Trunk\Delay Between Digits on Receiving	0
DDI R2 Trunk\Time Wait.For Group II Signal	0
DDI R2 Trunk\Pulse Transmission Duration	0
DDI R2 Trunk\Compelling Timer	0
DDI R2 Group I Signals\Request Not Accepted	I-12
DDI R2 Group I Signals\End Of Caller Identification	I-15
DDI R2 Group I Signals\End Of Called Party Dialling	Not used
DDI R2 Group II Signals\II-1	Normal Routing
DDI R2 Group II Signals\II-2	Normal Routing
DDI R2 Group II Signals\II-3	Normal Routing
DDI R2 Group II Signals\II-4	Normal Routing
DDI R2 Group II Signals\II-5	Attendant
DDI R2 Group II Signals\II-6	Data Routing
DDI R2 Group II Signals\II-7	Attendant
DDI R2 Group II Signals\II-8	Attendant
DDI R2 Group II Signals\II-9	No routing
DDI R2 Group II Signals\II-10	No routing
DDI R2 Group II Signals\II-11	No routing
DDI R2 Group II Signals\II-12	No routing
DDI R2 Group II Signals\II-13	No routing
DDI R2 Group II Signals\II-14	No routing
DDI R2 Group II Signals\II-15	No routing
DDI R2 Group II Signals\Caller Identification For Gr.II\II-1	1
DDI R2 Group II Signals\Caller Identification For Gr.II\II-2	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-3	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-4	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-5	1
DDI R2 Group II Signals\Caller Identification For Gr.II\II-6	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-7	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-8	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-9	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-10	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-11	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-12	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-13	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-14	0
DDI R2 Group II Signals\Caller Identification For Gr.II\II-15	0
DDI R2 Group II Signals\II-1	Toll Call - No Control
DDI R2 Group II Signals\II-2	Toll Call - No Control
DDI R2 Group II Signals\II-3	Local Voice Call - No Ctrl
DDI R2 Group II Signals\II-4	Local Call Fax or Data



DDI R2 Group II Signals\II-5	No routing
DDI R2 Group II Signals\II-6	No routing
DDI R2 Group II Signals\II-7	No routing
DDI R2 Group II Signals\II-8	No routing
DDI R2 Group II Signals\II-9	No routing
DDI R2 Group II Signals\II-10	No routing
DDI R2 Group II Signals\II-11	No routing
DDI R2 Group II Signals\II-12	No routing
DDI R2 Group II Signals\II-13	No routing
DDI R2 Group II Signals\II-14	No routing
DDI R2 Group II Signals\II-15	No routing
DDI R2 Group II Signals\Caller Subscriber Category\I-1	1
DDI R2 Group II Signals\Caller Subscriber Category\I-2	1
DDI R2 Group II Signals\Caller Subscriber Category\I-3	1
DDI R2 Group II Signals\Caller Subscriber Category\I-4	1
DDI R2 Group II Signals\Caller Subscriber Category\I-5	0
DDI R2 Group II Signals\Caller Subscriber Category\I-6	0
DDI R2 Group II Signals\Caller Subscriber Category\I-7	0
DDI R2 Group II Signals\Caller Subscriber Category\I-8	0
DDI R2 Group II Signals\Caller Subscriber Category\I-9	0
DDI R2 Group II Signals\Caller Subscriber Category\I-10	0
DDI R2 Group II Signals\Caller Subscriber Category\I-11	0
DDI R2 Group II Signals\Caller Subscriber Category\I-12	0
DDI R2 Group II Signals\Caller Subscriber Category\I-13	0
DDI R2 Group II Signals\Caller Subscriber Category\I-14	0
DDI R2 Group II Signals\Caller Subscriber Category\I-15	0
DDI R2 Group A Signals\Send Next Digit Called Party	R2AR F1
DDI R2 Group A Signals\End Of Dialling & Wait B Signal	R2AR F3
DDI R2 Group A Signals\Congestion	R2AR F4
DDI R2 Group A Signals\Gr.I or Gr.II Signal Not Receiv.	R2AR F4
DDI R2 Group A Signals\Caller Category Request	R2AR F5
DDI R2 Group A Signals\Caller Identification	R2AR F5
DDI R2 Group A Signals\Send Next Digit Caller	R2AR F1
DDI R2 Group A Signals\Complete Dialling & Conversation	R2AR F6
DDI R2 Group B Signals\Cd Party Free Malicious Call Ctrl	Not used
DDI R2 Group B Signals\Specific Tone Sent To Caller	R2AR F2
DDI R2 Group B Signals\Called Party Busy	R2AR F3
DDI R2 Group B Signals\Congestion After Change in Gr.B	R2AR F4
DDI R2 Group B Signals\Wrong Called Number	R2AR F5
DDI R2 Group B Signals\Called Party Free Charged	R2AR F6
DDI R2 Group B Signals\Called Party Free Non Charged	R2AR F7
DDI R2 Group B Signals\Out Of Service Subscriber Line	R2AR F3
DDI R2 Group B Signals\Toll Free Call	Not used
DDI R2 Group B Signals\Collect Calls Restriction	Not used
DDI R2 Group C Signals\Send First / Next Digit Caller	R2AR F1
DDI R2 Group C Signals\End Of Dialling & Wait B Signal	R2AR F3
DDI R2 Group C Signals\Congestion	R2AR F4
DDI R2 Trunk (continued)\Seizure Validation Time	0
DDI R2 Trunk (continued)\Caller Release Validation Time	0
DDI R2 Trunk (continued)\Max.Attend.signal valid Time	0
DDI R2 Trunk (continued)\Min.Attend.signal valid.Time	0
DDI R2 Trunk (continued)\Incoming Call Unavailable Time	0
DDI R2 Trunk (continued)\Answer Signal Time	0
DDI R2 Trunk (continued)\Malicious Call Signal Time	0
Tie Line Trunks\Type of Dialling	D 66 33
Tie Line Trunks\Delay Before Availability	0
Tie Line Trunks\Delay Between Digits on Receiving	0
Tie Line Trunks\Dial Tone Connection	True
Tie Line Trunks\Ringback Tone Connection	True
Tie Line Trunks\Incoming DTMF Received	False
Tie Line Trunks\Line Type Short line	
Tie Line Trunks\Digit Pulse Duration (ms)	0
Tie Line Trunks\Digit Pause Duration (ms)	0
Tie Line Trunks\2 or 4 Voice Wires 2 Wires	
Tie Line Trunks\End of Selection	False
MCOL/SCOL Tie Line Trunks\Type	4 Wires E-M
MCOL/SCOL Tie Line Trunks\Receive Ready to Receive	True
MCOL/SCOL Tie Line Trunks\Send Ready to Receive	True
MCOL/SCOL Tie Line Trunks\Delay Waiting for Ready to Receive	0
MCOL/SCOL Tie Line Trunks\Delay Between Digits on Sending	0
MCOL/SCOL Tie Line Trunks\Delay Before Send Ready to Receive	0



MCOL/SCOL Tie Line Trunks\Delay Before Outdialing	5
MCOL/SCOL Tie Line Trunks\Send Reply	True
MCOL/SCOL Tie Line Trunks\Wait for Reply Timer	0
MCOL/SCOL Tie Line Trunks\Ignore Call Conflict	False
MCOL/SCOL Tie Line Trunks\ITTR feature / DC5A Inverted	False
IACE Tie Line Trunks\Receive Ready to Receive	True
IACE Tie Line Trunks\Send Ready to Receive	True
IACE Tie Line Trunks\Send Pulse Ready to Receive	False
IACE Tie Line Trunks\Delay Dialing	False
IACE Tie Line Trunks\Delay Before Send Ready to Receive	0
IACE Tie Line Trunks\Delay Waiting for Ready to Receive	0
IACE Tie Line Trunks\Dial Tone Detection	False
IACE Tie Line Trunks\Default Transmission	False
IACE Tie Line Trunks\Delay Before Outdialing	5
IACE Tie Line Trunks\Receiving the Dialing	True
IACE Tie Line Trunks\Delay Between Digits on Sending	0
IACE Tie Line Trunks\Busy Tone Connection	False
IACE Tie Line Trunks\Send Reply	True
IACE Tie Line Trunks\Reply by Pulse	True
IACE Tie Line Trunks\Delay Waiting for Reply	0
IACE Tie Line Trunks\ITTR feature / DC5A Inverted	False
IACE Tie Line Trunks\Controlled Release	True
IACE Tie Line Trunks\Release Acknowledge Timer	0
IACE Tie Line Trunks\Input Output Level	Trunk
IACE Tie Line Trunks\Trunk Type	Loop
IACE Tie Line Trunks\Paging	False
IACE Tie Line Trunks\Loop Feeding Signal Break Time	0
IACE Tie Line Trunks\Loop Feeding Sign.Make Time	0
IACI tie Line Trunks\Type 4 Wires	E-M
IACI tie Line Trunks\Delay Waiting for Ready to Receive	0
IACI tie Line Trunks\Delay Between Digits on Sending	0
IACI tie Line Trunks\Delay Before Send Ready to Receive	0
IACI tie Line Trunks\Delay Before Outdialling	5
IACI tie Line Trunks\Send Reply	True
IACI tie Line Trunks\Receive Reply	True
IACI tie Line Trunks\Reply Waiting / Presumption Timer	0
IACI tie Line Trunks\Ignore Call Conflict	False
IACI tie Line Trunks\ Release by double pulse	False
AC15A/DC5 TL Trunks\Receive Ready to Receive	True
AC15A/DC5 TL Trunks\Send Ready to Receive	True
AC15A/DC5 TL Trunks\Delay Waiting for Ready to Receive	0
AC15A/DC5 TL Trunks\Delay Between Digits on Sending	0
AC15A/DC5 TL Trunks\Delay Before Send Ready to Receive	0
AC15A/DC5 TL Trunks\Delay Before Outdialling	5
AC15A/DC5 TL Trunks\Dial Tone Detection	False
AC15A/DC5 TL Trunks\Default Transmission	False
AC15A/DC5 TL Trunks\ITTR feature / DC5A Inverted	False
AC15A/DC5 TL Trunks\Busy Tone Connection	False
AC15A/DC5 TL Trunks\Send Reply	True
AC15A/DC5 TL Trunks\Receive Reply	True
AC15A/DC5 TL Trunks\Reply Waiting / Presumption Timer	0
AC15A/DC5 TL Trunks\Earth On Idle	True
AC15A/DC5 TL Trunks\Ready to Receive Duration (x10ms)	20
AC15C Tie line Trunks\Dial Tone Detection	False
AC15C Tie line Trunks\Default Transmission	False
AC15C Tie line Trunks\ITTR feature / DC5A Inverted	False
AC15C Tie line Trunks\Busy Tone Connection	False
L0 Tie Line Trunks\Type 4 Wires	E-M
L0 Tie Line Trunks\Receive Ready to Receive	True
L0 Tie Line Trunks\Send Ready to Receive	True
L0 Tie Line Trunks\Delay Waiting for Ready to Receive	0
L0 Tie Line Trunks\Delay Between Digits on Sending	0
L0 Tie Line Trunks\Delay Before Send Ready to Receive	0
L0 Tie Line Trunks\Delay Before Outdialling	5
L0 Tie Line Trunks\Send Reply	True
L0 Tie Line Trunks\Receiving the Dialling	True
L0 Tie Line Trunks\Delay Waiting for Reply	0
L0 Tie Line Trunks\Variable Gain	False
L0 Tie Line Trunks\Ignore Call Conflict	False
L0 Tie Line Trunks\ITTR feature / DC5A Inverted	False



L0 Tie Line Trunks\Dial Tone Detection	False	
L0 Tie Line Trunks\Default Transmission	False	
EMPULSE Tie Line Trunks\Type 4 Wires	E-M	
EMPULSE Tie Line Trunks\Receive Ready to Receive	True	
EMPULSE Tie Line Trunks\Send Ready to Receive	True	
EMPULSE Tie Line Trunks\Delay Waiting for Ready to Receive	0	
EMPULSE Tie Line Trunks\Delay Between Digits on Sending	0	
EMPULSE Tie Line Trunks\Delay Before Send Ready to Receive	0	
EMPULSE Tie Line Trunks\Delay Before Outdialling	5	
EMPULSE Tie Line Trunks\Send Reply	True	
EMPULSE Tie Line Trunks\Receiving the Dialling	True	
EMPULSE Tie Line Trunks\Delay Waiting for Reply	0	
EMPULSE Tie Line Trunks\Protocol Type	0	
EMPULSE Tie Line Trunks\Caller Release Ack	True	
EMPULSE Tie Line Trunks\Caller Very Long Release	False	False
EMPULSE Tie Line Trunks\Caller Very Long Release Ack	False	False
EMPULSE Tie Line Trunks\Called Release Ack	True	True
EMPULSE Tie Line Trunks\Called Very Long Release	False	False
EMPULSE Tie Line Trunks\Called Very Long Release Ack	False	False
EMPULSE Tie Line Trunks\Variable Gain	False	False
EMPULSE Tie Line Trunks\Ignore Call Conflict	False	False
EMPULSE Tie Line Trunks\ITTR feature / DC5A Inverted	False	False
Manual Tie Line Trunks\Send Release Signal	True	True
Manual Tie Line Trunks\Send Ringing Tone Signal	True	True
Manual Tie Line Trunks\Timer Before Availaibility	100	
Manual Tie Line Trunks\Seizure Duration in Transm.	25	
Manual Tie Line Trunks\Release Duration in Transm.	25	
Manual Tie Line Trunks\Min.Dur.Of Seiz.in Recept.	12	
Manual Tie Line Trunks\Max.Dur.Of Seiz.in Recept.	37	
Manual Tie Line Trunks\Min.Dur.Of Releas.in Recept.	100	
Manual Tie Line Trunks\Max.Dur.Of Releas.in Recept.	250	
Manual Tie Line Trunks\Line Type Short line		
T2 T0 ABC-F ISDN Trunks\Timer T303	0	
T2 T0 ABC-F ISDN Trunks\Timer T304	0	
T2 T0 ABC-F ISDN Trunks\Timer T310	0	
T2 T0 ABC-F ISDN Trunks\Timer T313	4	
T2 T0 ABC-F ISDN Trunks\Timer T305	0	
T2 T0 ABC-F ISDN Trunks\Timer T308	4	
T2 T0 ABC-F ISDN Trunks\Timer T309	0	
T2 T0 ABC-F ISDN Trunks\Timer T302	0	
ABC-F Trunks\Timer T306	300	
ABC-F Trunks\Timer T314	40	
ABC-F Trunks\Timer T381	1200	
ABC-F Trunks\Timer T383	1200	
ABC-F Trunks\Timer T384	300	
ABC-F Trunks\Timer T386	200	
ABC-F Trunks\Timer T388	350	
ABC-F Trunks\Timer T389	100	
ABC-F Trunks\Timer T390	1800	
ABC-F Trunks\Timer T392	50	
ABC-F Trunks\Timer T397	100	
ISDN trunks\Timer T301	1800	
ISDN trunks\Timer T306	300	
ISDN trunks\Timer T316	1200	
ISDN trunks\Timer T317	900	
ISDN trunks\Timer T322	40	
DASS2 Trunks\Wait for Reply To Mess.Timer	100	
DASS2 Trunks\Additionalnal Info Timer	150	
DASS2 Trunks\Illegal o/g Channel Timer	35	
DPNSS Trunks\Wait for Reply To Mess.Timer	100	
DPNSS Trunks\Additionalnal Info Timer	150	
DPNSS Trunks\Illegal o/g Channel Timer	40	
DPNSS Trunks\DPNSS Inter Message Timer	40	
DPNSS Trunks\Resolve Collision X (X/Y)	True	
DDI NDDI Trunks - German\Line Type Short line		
DDI NDDI Trunks - German\Wait For Release Timer	300	
DDI NDDI Trunks - German\DDI-Time Betw.Digits Recept.	150	
DDI NDDI Trunks - German\NDDI-Loop feeding dig.mak.t.	60	
DDI NDDI Trunks - German\NDDI-Loop feeding dig.brk t.	40	
DDI NDDI Trunks - German\NDDI-Time Between Digits Send	8	



DDI NDDI Trunks - German\NDDI-Timer Between Digits	150
DDI NDDI Trunks - German\NDDI-Default Transmission	NO
DDI NDDI Trunks - German\NDDI Def Trans Or Waiting Timer	100
DDI NDDI Trunks - German\NDDI Time For Availability	300
DDI NDDI Trunks - German\NDDI Off hook-presumpt.Time	0
ICNS Trunks\Timer T303	100
ICNS Trunks\Timer T305	30
ICNS Trunks\Timer T308	40
ICNS Trunks\Timer T316	1200
ICNS Trunks\Timer T399	200
MF CGCT Tie line Trunks\Wait Proceed To Send Timer	360
MF CGCT Tie line Trunks\Wait bef.sending acc.code	0
MF CGCT Tie line Trunks\Interdigit Timer on Sending	0
MF CGCT Tie line Trunks\Wait for Back Signal Timer	360
MF CGCT Tie line Trunks\Wait for Called Answer Timer	0
MF CGCT Tie line Trunks\Unavailable T.Betw.2 Seizes	10
MF CGCT Tie line Trunks\Received Nr Broadcasting	NO
MF CGCT Tie line Trunks\Wait bef.send.Proc.To Send	0
MF CGCT Tie line Trunks\Wait for Forward Signal Time	150
MF CGCT Tie line Trunks\Delay Between Digits on Receiving	300
MF CGCT Tie line Trunks\Back Signal Sending Delay	0
MF CGCT Tie line Trunks\Wait for Cd Release Timer	200
MF CGCT Tie line Trunks\Wait bef.send.Contr.Freq.	0
MF CGCT Tie line Trunks\Max.Sequence Duration	20
MF CGCT Tie line Trunks\Signal uphold Delay	0
5200 Trunks\T303	100
5200 Trunks\T308	40
Outgoing R1.5 Trunk\Type of dialing	D 50 50
Outgoing R1.5 Trunk\Interface Type NDDI R1.5 Local	
Outgoing R1.5 Trunk\Wait for Seizure Ack.Timer	10
Outgoing R1.5 Trunk\1st default dialing em.	True
Outgoing R1.5 Trunk\1st Default dial.Em.Delay	4
Outgoing R1.5 Trunk\2nd default dialing em.	False
Outgoing R1.5 Trunk\2nd Default dial.Em.Delay	10
Outgoing R1.5 Trunk\Timer End Of Dialing	80
Outgoing R1.5 Trunk\Timer Wait for Cd Answer	6000
Outgoing R1.5 Trunk\PABX Call No.	
Outgoing R1.5 Trunk\Fill Digit For Caller Id.	2
Outgoing R1.5 Trunk\Deft Category for Caller Ident.	4
Outgoing R1.5 Trunk\Special Tones Receiving	False
Outgoing R1.5 Trunk\VG For Called Party Busy	22
Outgoing R1.5 Trunk\Congestion Voice Guide	136
Outgoing R1.5 Trunk\Dec.Digit Pulse Duration	50
Outgoing R1.5 Trunk\Dec.Digit Pause Duration	50
Outgoing R1.5 Trunk\Dec.Inter Digit Time	7
Outgoing R1.5 Trunk\R1.5 Pulse Em.Delay	70
Outgoing R1.5 Trunk\R1.5 pulse duration	45
Outgoing R1.5 Trunk\R1.5 Pulse Detect Delay	30
Outgoing R1.5 Trunk\R1.5 Puls.Max.Valid.time	100
Outgoing R1.5 Trunk\Timer Wait For R1.5 Pulse	4000
Outgoing R1.5 Trunk\Line Type Short line	
Outgoing R1.5 Trunk\MF R1 Level Low Level	
Outgoing R1.5 Trunk\Trunk Signaling Type	Normal Bits
Incoming R1.5 Trunk\Type of dialing	D 50 50
Incoming R1.5 Trunk\Interface Type DDI R1.5 Local	
Incoming R1.5 Trunk\Number of Digits Received	4
Incoming R1.5 Trunk\Number of Digits Used 4	
Incoming R1.5 Trunk\Caller Identification Requested	
Incoming R1.5 Trunk\VG on Busy Cd party	22
Incoming R1.5 Trunk\VG on Inacc.Cd party	17
Incoming R1.5 Trunk\Congestion Voice Guide	136
Incoming R1.5 Trunk\Max.Dec.Digit Pulse Dur.	150
Incoming R1.5 Trunk\Max.Dec.Digit Pause Dur.	150
Incoming R1.5 Trunk\Dec.Inter Digit Time	200
Incoming R1.5 Trunk\R1.5 Pulse Em.Delay	70
Incoming R1.5 Trunk\R1.5 pulse duration	45
Incoming R1.5 Trunk\R1.5 Pulse Detect Delay	30
Incoming R1.5 Trunk\R1.5 Puls.Max.Valid.time	100



Incoming R1.5 Trunk\Timer Wait For R1.5 Pulse	250
Incoming R1.5 Trunk\Line Type Short line	
Incoming R1.5 Trunk\MF R1 Level Low Level	
Incoming R1.5 Trunk\Trunk Signaling Type Normal Bits	
Incoming R1.5 Trunk\R1.5 First Signal	B2 Signal
Mixed Trunk\Line Signaling	Default Signaling
Mixed Trunk\Exchange Type	W48
Mixed Trunk\Line Type Short line	
Mixed Trunk\2 or 4 Voice Wires	2 Wires
Mixed Trunk\Short Pulse Duration (xl0ms)	15
Mixed Trunk\Long Pulse Duration (xl0ms)	60
Outgoing Mixed Trunk\Receive Ready to Receive	True
Outgoing Mixed Trunk\Delay Dialing	False
Outgoing Mixed Trunk\Seizure Acknowledgment Timer	0
Outgoing Mixed Trunk\Dial Tone Detection	False
Outgoing Mixed Trunk\Default Transmission	False
Outgoing Mixed Trunk\Default Transmission Delay	1
Outgoing Mixed Trunk\Type of Dialing	MF Q23
Outgoing Mixed Trunk\Digit Pulse Duration (ms)	0
Outgoing Mixed Trunk\Digit Pause Duration (ms)	0
Outgoing Mixed Trunk\Interdigit Timer on Sending	7
Outgoing Mixed Trunk\Wait for Called Party Answer	True
Outgoing Mixed Trunk\Wait for Called Answer Timer	1800
Outgoing Mixed Trunk\Release Method Non Compelled Control	
Outgoing Mixed Trunk\Wait for Called Re-Answer Timer	150
Outgoing Mixed Trunk\Unavailable Time Betw.2 Seizes	10
Incoming Mixed Trunk\Send Ready to Receive	True
Incoming Mixed Trunk\Dial Tone Connection	False
Incoming Mixed Trunk\Number of Digits Received	4
Incoming Mixed Trunk\Number of Digits Used	4
Incoming Mixed Trunk\Incoming DTMF Received	True
Incoming Mixed Trunk\Delay Between Digits on Receiving	150
Incoming Mixed Trunk\First Digit Authorized\Digit 0	1
Incoming Mixed Trunk\First Digit Authorized\Digit 1	1
Incoming Mixed Trunk\First Digit Authorized\Digit 2	1
Incoming Mixed Trunk\First Digit Authorized\Digit 3	1
Incoming Mixed Trunk\First Digit Authorized\Digit 4	1
Incoming Mixed Trunk\First Digit Authorized\Digit 5	1
Incoming Mixed Trunk\First Digit Authorized\Digit 6	1
Incoming Mixed Trunk\First Digit Authorized\Digit 7	1
Incoming Mixed Trunk\First Digit Authorized\Digit 8	1
Incoming Mixed Trunk\First Digit Authorized\Digit 9	1
Incoming Mixed Trunk\Routing to Attendant	Not used
Incoming Mixed Trunk\Open Dialing	False
Incoming Mixed Trunk\End of Selection	False
Incoming Mixed Trunk\Send Called Party Answer	True
Incoming Mixed Trunk\Release Method Non Compelled Control	
Incoming Mixed Trunk\Wait for Called Re-Answer Timer	150
Trunk MF R1.5\Type of dialing	D 50 50
Trunk MF R1.5\Interface Type MF R1.5	Local
Trunk MF R1.5\Wait for Seizure Ack.Timer	10
Trunk MF R1.5\1st default dialing em.	True
Trunk MF R1.5\1st Default dial.Em.Delay	4
Trunk MF R1.5\2nd default dialing em.	False
Trunk MF R1.5\2nd Default dial.Em.Delay	10
Trunk MF R1.5\Timer End Of Dialing	80
Trunk MF R1.5\Timer Wait for Cd Answer	6000
Trunk MF R1.5\PABX Call No.	
Trunk MF R1.5\Fill Digit For Caller Id.	2
Trunk MF R1.5\Deft Category for Caller Ident.	4
Trunk MF R1.5\Special Tones Receiving	False
Trunk MF R1.5\Number of Digits Received	4
Trunk MF R1.5\Number of Digits Used	4
Trunk MF R1.5\Caller Identification Requested	
Trunk MF R1.5\VG on Busy Cd party 22	
Trunk MF R1.5\VG on Inacc.Cd party	17
Trunk MF R1.5\Congestion Voice Guide	136
Trunk MF R1.5\Dec.Digit Pulse Duration	50
Trunk MF R1.5\Dec.Digit Pause Duration	50



Trunk MF R1.5\Dec.Inter Digit Time	200
Trunk MF R1.5\R1.5 Pulse Em.Delay	70
Trunk MF R1.5\R1.5 pulse duration	45
Trunk MF R1.5\R1.5 Pulse Detect Delay	30
Trunk MF R1.5\R1.5 Puls.Max.Valid.time	100
Trunk MF R1.5\Timer Wait For R1.5 Pulse	250
Trunk MF R1.5\Line Type Short line	
Trunk MF R1.5\MF R1 Level	Low Level
Trunk MF R1.5\Trunk Signaling Type	Normal Bits
Trunk MF R1.5\R1.5 First Signal	B2 Signal



Trunk Group ID:

Trunk	
Physical Address	0-6-0
Trunk Category Id	31
Directory Name	
Trunk Routing Number	3006
Channel Specialization	Mixed
Trunk Number	126
Data Transparency	NO

Board Configuration:

Board	
Board Address	6
Interface Type	Enabled
Main/Standby State	Main (Master)
Number Of Sets Being Connect.	1
Remote Shelf Address	255
Remote Board Address	255
Synchronization Priority	255
IO2 With SPB	NO
AUXU Parameters 1	None
AUXU Parameters 2	None
AUXU Parameters 3	None
AUXU Parameters 4	None
CRC4	NO
Country Protocol Type	USA
Time Slots\0	0
Time Slots\1	1
Time Slots\2	1
Time Slots\3	1
Time Slots\4	1
Time Slots\5	1
Time Slots\6	1
Time Slots\7	1
Time Slots\8	1
Time Slots\9	1
Time Slots\10	1
Time Slots\11	1
Time Slots\12	1
Time Slots\13	1
Time Slots\14	1
Time Slots\15	1
Time Slots\16	0
Time Slots\17	1
Time Slots\18	1
Time Slots\19	1
Time Slots\20	1
Time Slots\21	1
Time Slots\22	1
Time Slots\23	1
Time Slots\24	1
Time Slots\25	1
Time Slots\26	1
Time Slots\27	1
Time Slots\28	1
Time Slots\29	1
Time Slots\30	1
Time Slots\31	1
Voice-->Data TS	YES
SU shelf Type	2 PCM Shelf
DECT Location area number	255
Send Init Dynamic Msg	False
Param By Default	True
Clock Mode	Internal
CPU with Optimized B ChannelAccess	NO
Board with DTM	False



Incidents Teleservice		YES
Max.VG Recording Duration	0	
DASS2 Simulate Network	NO	
DPNSS Layer 2 Address	A	
ISDN Board Layer 2 Parameters\Retransmission Timer	100	
ISDN Board Layer 2 Parameters\TEI Identity Check Timer	100	
ISDN Board Layer 2 Parameters\Polling Timer	1000	
ISDN Board Layer 2 Parameters\Nb_Of_Retransmission	3	
ISDN Board Layer 2 Parameters\Max Frame Size (Bytes)	260	
ISDN Board Layer 2 Parameters\Window Size In Frames SAPI S T0	1	
ISDN Board Layer 2 Parameters\Window Size In Frames SAPI P T0	3	
ISDN Board Layer 2 Parameters\Window Size In Frames SAPI S T2	7	
ISDN Board Layer 2 Parameters\Window Size In Frames SAPI P T2	7	
Number of configurated ports	1	
Associated CPU	255	
Number of configurated E1 ports	8	
Synchronization mode Adaptive method		
In Band Signaling	NO	
Passive board	NO	
SS7 signaling	NO	
PRA7 TS signaling	16	
Use Data Compression	NO	
Mutual Aid	YES	
LIO Daughter Board	6 Compressors	
Tone on Board	R2 Tone	
Number of Used Compressors	0	
GNISC in Rack	255	
GNISC in position	255	
Usage State Suite	Slave	
Atm address		
TS used on PCM 0	0	
TS used on PCM 1	0	
TS used on PCM 2	0	
TS used on PCM 3	0	
TS used on PCM 4	0	
TS used on PCM 5	0	
TS used on PCM 6	0	
TS used on PCM 7	0	
Daughter board equipped	NO	
Number of Used Compressors	0	
Mode Gateway	IP	
Embedded Ethernet	YES	
Voice Guide Lang Index	1	
CLIP Signalization	No CLIP	
IVR ProtocolNo IVR Protocol	Protocol	
4615 Present	NO	
LIOE coupler 1 address	255	
LIOE coupler 2 address	255	
Associated BBC2 coupler	255	
Associated BBC2 access	255	
Use of volume in system	YES	
Local volume (dB)	0	

Analog Station Configuration:

Board	
Board Address	7
Interface Type Z12_	2
Administrative status	Enabled
Usage State Active	
Operational State	Enabled
Main/Standby State	Main (Master)
Number Of Sets Being Connect.	4
Remote Shelf Address	255
Remote Board Address	255
Synchronization Priority	255
IO2 With SPB	NO
AUXU Parameters 1	None
AUXU Parameters 2	None



AUXU Parameters 3	None
AUXU Parameters 4	None
CRC4	NO
Country Protocol Type	Lithuania
Time Slots\0	0
Time Slots\1	1
Time Slots\2	1
Time Slots\3	1
Time Slots\4	1
Time Slots\5	1
Time Slots\6	1
Time Slots\7	1
Time Slots\8	1
Time Slots\9	1
Time Slots\10	1
Time Slots\11	1
Time Slots\12	1
Time Slots\13	1
Time Slots\14	1
Time Slots\15	1
Time Slots\16	0
Time Slots\17	1
Time Slots\18	1
Time Slots\19	1
Time Slots\20	1
Time Slots\21	1
Time Slots\22	1
Time Slots\23	1
Time Slots\24	1
Time Slots\25	1
Time Slots\26	1
Time Slots\27	1
Time Slots\28	1
Time Slots\29	1
Time Slots\30	1
Time Slots\31	1
Voice-->Data TS	YES
SU shelf Type	2 PCM Shelf
DECT Location area number	255
Send Init Dynamic Msg	False
Param By Default	True
Clock Mode	Internal
CPU with Optimized B ChannelAccess	NO
Board with DTM	False
Incidents Teleservice	YES
Max.VG Recording Duration	0
DASS2 Simulate Network	NO
DPNSS Layer 2 Address	A
ISDN Board Layer 2 Parameters\Retransmission Timer	100
ISDN Board Layer 2 Parameters\TEI Identity Check Timer	100
ISDN Board Layer 2 Parameters\Polling Timer	1000
ISDN Board Layer 2 Parameters\Nb_Of_Retransmission	3
ISDN Board Layer 2 Parameters\Max Frame Size (Bytes)	260
ISDN Board Layer 2 Parameters\Window Size In Frames SAPI S T0	1
ISDN Board Layer 2 Parameters\Window Size In Frames SAPI P T0	3
ISDN Board Layer 2 Parameters\Window Size In Frames SAPI S T2	7
ISDN Board Layer 2 Parameters\Window Size In Frames SAPI P T2	7
Number of configured ports	4
Associated CPU	255
Number of configured E1 ports	8
Synchronization mode Adaptive method	
In Band Signaling	NO
Passive board	NO
SS7 signaling	NO
PRA7 TS signaling	16
Use Data Compression	NO
Mutual Aid	YES
LIO Daughter Board	6 Compressors
Tone on Board	R2 Tone
Number of Used Compressors	0
GNISC in Rack	255



GNISC in position	255
Usage State Suite Slave	
Atm address	
TS used on PCM 0	0
TS used on PCM 1	0
TS used on PCM 2	0
TS used on PCM 3	0
TS used on PCM 4	0
TS used on PCM 5	0
TS used on PCM 6	0
TS used on PCM 7	0
Daughter board equipped	NO
Number of Used Compressors	0
Mode Gateway IP	
Embedded Ethernet	YES
Voice Guide Lang Index	1
CLIP Signalization	No CLIP
IVR Protocol	No IVR Protocol Protocol
4615 Present	NO
LIOE coupler 1 address	255
LIOE coupler 2 address	255
Associated BBC2 coupler	255
Associated BBC2 access	255
Use of volume in system	YES
Local volume (dB)	0

Analog Station Detail:

Users	
Directory Number	3032
Directory name	Mummy Doe
Directory First Name	
Location Node	1
Shelf Address	0
Board Address	7
Equipment Address	0
Set Type	ANALOG
Entity Number	1
Set Function	Default
Profile Name	
Key Profile	None
Identifier of Domain	0
Add On Module 1	None
Add On Module 2	None
Add On Module 3	None
External Alphanumeric Keyboard	None
Internal Alphanum.Keyboard	None
V24 Extension	False
S0 Extension	False
Mac/PC	NO
Z Adaptor	False
Language Id.	1
Secret Code	6<"
Associated Set No.	3032
Cost Center Id	255
Cost Center Name	
Charging Category	Justified
Public Network Category	2
External Forwarding Category	255
Tel.Facility Category Id	0
Connection Category Id	0
Hunting Group Dir No.	
ACD Group Directory No.	
Pick up Group Name	
Reserved Time Slot	False
Voice Mail Dir.No.	
Voice Mail Type	No Voice Mail
Voice Mail access without Code	False
Paging Trunk Group	255
Paging Beeper	



Called Associated Dect	set
Tele-Marketing Agent	False
ISDN Subscr.\External	True
ISDN Subscr.\Internal	False
ISDN Teleservice	Phone
Hotel-Set Function	Administrative
Type of room	1
Use Type Of Dir. No.	Normal
Number Of Set Users	1
Call by name and mini mail	NO
Multiline station	NO
Multi-Line Properties\Automatic Incoming Seizure	False
Multi-Line Properties\Automatic Outgoing Seizure	False
Multi-Line Properties>Selective Filtering	False
Multi-Line Properties\Overflow on no reply	False
Multi-Line Properties\Overflow on busy	False
Multi-Line Properties\Take supervision off-hook	False
S0 Facility\User By Default	False
S0 Facility\Sub Address Use	False
Dialed number masked	NO
Access Code to UUS messages	NO
Routing Table	0
Associated Videophone	False
VIP (Very Important Pers.)	False
Secretary Directory Number	3032
Calls Priority	0
DATA Cx Category Id	0
Message Led	False
4040 With Minitel	NO
Minitel-4040 Connection Cat.	0
Pub Cat Id Minitel 4040	0
PCBT Associated	NO
Urgent Call	NO
Ext.Alarm Equipment Alarm On	Opened Loop
4630 Mail Box\4630 Voice Mail Type Answer.-Recorder machine	
4630 Mail Box\4630 COS\Network Prefixes authorized	YES
4630 Mail Box\4630 COS\Personal lists authorized	NO
4630 Mail Box\4630 COS\General Lists authorized	YES
4630 Mail Box\4630 COS\Voice Mail Manager	NO
4630 Mail Box\4630 COS\Ref.duration of Greeting	Normal
4630 Mail Box\4630 COS\Conversation authorized	YES
4630 Mail Box\4630 COS\Category of Greeting	Personal
4635 Mail Box\4635 Voice Mail Type	Voice Mail
4635 Mail Box\4635 COS	10
X25 dte	False
PIN (Personal Ident.No.)\PIN No.	
PIN (Personal Ident.No.)\PIN With Secret Code	True
PIN (Personal Ident.No.)\Type of control By category	
PIN (Personal Ident.No.)\PIN group number	1
Can Be Called By Name	YES
Phone book Name (Call by name)	Mummy Doe
Phone book First Name	
Displayed Name	Mummy Doe
Modem Trunk Group Info\Trunk Group Id	255
Modem Trunk Group Info\Trunk Number	255
Remote UA	False
Count Errors Of Secret Code	0
ACD station	NO
NS Right (Notification server)	NO
Incidents Teleservice	NO
Ghost Z	False
Ghost Z Feature	Without
CSTA routing	False
Cmf 4600 (DTMF frequencies)	False
Voice Guide listening Class	7
Caller Category	4
VSI Transparency	False
Type of Keyboard	Default keyboard
Count Errors Of Business Code	0
Stap	Off-hook
Tandem\Tandem Directory Number	



Tandem\Main set in the tandem	False
Use Personal Calling Number	False
Private Calling Number	
UA 3G features\Emulation	UA 3G
4035 Features\Navigator	UA 3G
PIN group control	No group
User PIN group	1
CCA operator	False
A4980 No	4980
Z IVR	False
NOMADIC	False
4615 Mail Box\4615 Voice Mail Type	Standard
4615 Mail Box\Notification Type	No Notification
TAPI Premium Server	NO

Digital Station Detail:

Users	
Directory Number	3006
Directory name	Doe Doe
Directory First Name	
Location Node	1
Shelf Address	0
Board Address	2
Equipment Address	6
Set Type	4035T
Entity Number	1
Set Function	Default
Profile Name	
Key Profile	None
Identifier of Domain	0
Add On Module 1	None
Add On Module 2	None
Add On Module 3	None
External Alphanumeric Keyboard	None
Internal Alphanum.Keyboard	English
V24 Extension	False
S0 Extension	False
Mac/PC	NO
Z Adaptor	False
Language Id.	2
Secret Code	6<"
Associated Set No.	3006
Cost Center Id	255
Cost Center Name	
Charging Category	Justified
Public Network Category	2
External Forwarding Category	255
Tel.Facility Category Id	0
Connection Category Id	0
Hunting Group Dir No.	
ACD Group Directory No.	
Pick up Group Name	
Reserved Time Slot	False
Voice Mail Dir.No.	
Voice Mail Type	No Voice Mail
Voice Mail access without Code	False
Paging Trunk Group	255
Paging Beeper	
Called Associated Dect	set
Tele-Marketing Agent	False
ISDN Subscr.\External	True
ISDN Subscr.\Internal	False
ISDN Teleservice Phone	
Hotel-Set Function Administrative	
Type of room	1
Use Type Of Dir. No.	Normal
Number Of Set Users	1
Call by name and mini mail	NO



Multiline station	NO
Multi-Line Properties\Automatic Incoming Seizure	False
Multi-Line Properties\Automatic Outgoing Seizure	False
Multi-Line Properties>Selective Filtering	False
Multi-Line Properties\Overflow on no reply	False
Multi-Line Properties\Overflow on busy	False
Multi-Line Properties\Take supervision off-hook	False
S0 Facility\User By Default	False
S0 Facility\Sub Address Use	False
Dialed number masked	NO
Access Code to UUS messages	NO
Routing Table	0
Associated Videophone	False
VIP (Very Important Pers.)	False
Secretary Directory Number	3006
Calls Priority	0
DATA Cx Category Id	0
Message Led	False
4040 With Minitel	NO
Minitel-4040 Connection Cat.	0
Pub Cat Id Minitel 4040	0
PCBT Associated	NO
Urgent Call	NO
Ext.Alarm Equipment Alarm On Opened Loop	
4630 Mail Box\4630 Voice Mail Type Answer.-Recorder machine	
4630 Mail Box\4630 COS\Network Prefixes authorized	YES
4630 Mail Box\4630 COS\Personal lists authorized	NO
4630 Mail Box\4630 COS\General Lists authorized	YES
4630 Mail Box\4630 COS\Voice Mail Manager	NO
4630 Mail Box\4630 COS\Ref.duration of Greeting	Normal
4630 Mail Box\4630 COS\Conversation authorized	YES
4630 Mail Box\4630 COS\Category of Greeting	Personal
4635 Mail Box\4635 Voice Mail Type	Voice Mail
4635 Mail Box\4635 COS	10
X25 dte	False
PIN (Personal Ident.No.)\PIN No.	
PIN (Personal Ident.No.)\PIN With Secret Code	True
PIN (Personal Ident.No.)\Type of control	By category
PIN (Personal Ident.No.)\PIN group number	1
Can Be Called By Name	YES
Phone book Name (Call by name)	Doe Doe
Phone book First Name	
Displayed Name	Doe Doe
Modem Trunk Group Info\Trunk Group Id	255
Modem Trunk Group Info\Trunk Number	255
Remote UA	False
Count Errors Of Secret Code	0
ACD station	NO
NS Right (Notification server)	NO
Incidents Teleservice	NO
Ghost Z	False
Ghost Z Feature	Without
CSTA routing	False
Cmf 4600 (DTMF frequencies)	False
Voice Guide listening Class	7
Caller Category	4
VSI Transparency	False
Type of Keyboard	Default keyboard
Count Errors Of Business Code	0
Stap	Off-hook
Tandem\Tandem Directory Number	
Tandem>Main set in the tandem	False
Use Personal Calling Number	False
Private Calling Number	
UA 3G features\Emulation	UA 3G
4035 Features\Navigator	UA 3G
PIN group control	No group
User PIN group	1
CCA operator	False
A4980 No	4980



Z IVR	False
NOMADIC	False
4615 Mail Box\4615 Voice Mail Type	Standard
4615 Mail Box\Notification Type	No Notification
TAPI Premium Server	

Configure the Cisco 2651 Router

Verify the loop-start configuration with the **show running-config** command. The following is sample output.

```
2651XM_PRI#sh running-config

Building configuration...

Current configuration : 1840 bytes
!
version 12.2
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname 2651XM_PRI
!
no logging console
!
ip subnet-zero
!
!
no ip domain lookup
!
voice call carrier capacity active
!
voice class dualtone-detect-params 1
  cadence-variation 25
!
voice class custom-cptone us-custom
  dualtone busy
    frequency 480 620
    cadence 500 500
  dualtone disconnect
    frequency 435
    cadence 600 400
!
fax interface-type fax-mail
mta receive maximum-recipients 0
!
interface FastEthernet0/0
  no ip address
  shutdown
  duplex auto
  speed auto
!
interface FastEthernet0/1
  ip address 1.1.1.2 255.255.255.0
  duplex auto
  speed auto
!
ip classless
ip http server
!
dialer-list 1 protocol ip permit
!
call rsvp-sync
!
voice-port 1/0/0
!
voice-port 1/0/1
!
voice-port 1/1/0
```



```

    timeouts call-disconnect 1
    timeouts ringing 18
    timeouts wait-release 3
    supervisory disconnect dualtone mid-call
    supervisory custom-cptone us-custom
    supervisory dualtone-detect-params 1
    !
voice-port 1/1/1
    timeouts call-disconnect 1
    timeouts ringing 18
    timeouts wait-release 3
    supervisory disconnect dualtone mid-call
    supervisory custom-cptone us-custom
    supervisory dualtone-detect-params 1
    !
mgcp profile default
    !
dial-peer cor custom
    !
dial-peer voice 1 pots
    destination-pattern 2000
    port 1/0/0
    !
dial-peer voice 2 pots
    destination-pattern 2001
    port 1/0/1
    !
dial-peer voice 3 pots
    destination-pattern 5000
    port 1/1/0
    !
dial-peer voice 4 pots
    destination-pattern 5001
    port 1/1/1
    !
dial-peer voice 5 voip
    destination-pattern 3...
    session target ipv4:1.1.1.1
    !
dial-peer voice 6 voip
    destination-pattern 4...
    session target ipv4:1.1.1.1
    !
line con 0
    exec-timeout 0 0
line aux 0
    exec-timeout 0 0
line vty 0 4
    exec-timeout 0 0
    password c
    login
line vty 5 15
    login
    !
end
```

Important Information

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT



OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.



Corporate Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters

Cisco Systems International
BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: 31 0 20 357 1000
Fax: 31 0 20 357 1100

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters

Cisco Systems, Inc.
Capital Tower
168 Robinson Road
#22-01 to #29-01
Singapore 068912
www.cisco.com
Tel: +65 317 7777
Fax: +65 317 7799

Cisco Systems has more than 200 offices in the following countries and regions. Addresses, phone numbers, and fax numbers are listed on the Cisco Web site at www.cisco.com/go/offices.

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China PRC • Colombia • Costa Rica • Croatia • Czech Republic • Denmark • Dubai, UAE • Finland • France • Germany • Greece • Hong Kong SAR • Hungary • India • Indonesia • Ireland • Israel • Italy • Japan • Korea • Luxembourg • Malaysia • Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal • Puerto Rico • Romania • Russia • Saudi Arabia • Scotland • Singapore • Slovakia • Slovenia • South Africa • Spain • Sweden • Switzerland • Taiwan • Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela • Vietnam • Zimbabwe

Copyright 2003 Cisco Systems, Inc. All rights reserved. Cisco, Cisco Systems, and the Cisco Systems logo are registered trademarks or trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and certain other countries. All other trademarks mentioned in this document or Web site are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0301R)