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Connection to the Lucent Definity G3si (Version 6)

1. Overview

Intended Audience: Lucent Definity G3si PBX System Administrators or persons having extensive knowledge of the Lucent Definity G3si PBX.

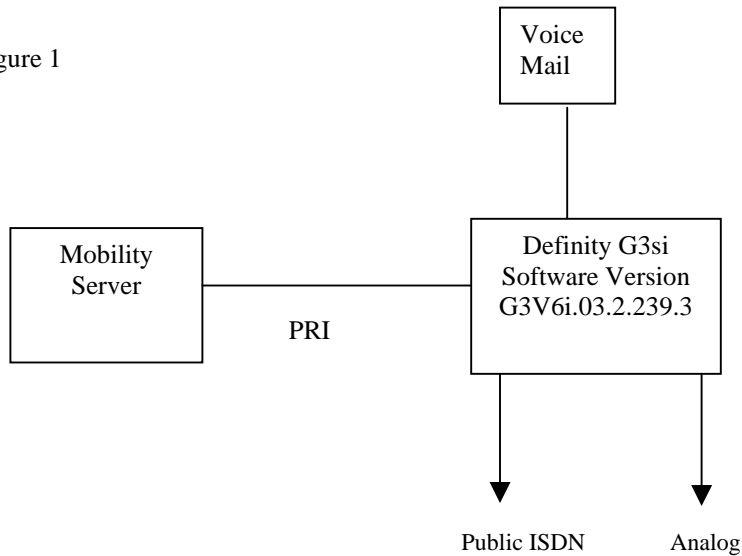
This document contains configuration information that may be used as a guide to configure the Mobility Server to the Lucent Definity G3si PBX. Figure 1 below provides a general overview of the PBX connections. The following sections are provided:

Connection via T1 5ESS – Configuration information is available in this document.	See Section 2.1
Connection via E1 Q-SIG – Configuration information is available in this document	See Section 2.2
Connection via T1 Q-SIG – Configuration information is available in this document.	See Section 2.3
Using Audix's Hunt Group for Voice Mail Delivery to Lucent's Definity Audix- Configuration information is available in this document.	See Section 2.4
Using Automated Attendant for Voice Mail Delivery to Lucent's Definity Audix – Configuration information is available in this document.	See Section 2.5
Using Outcalling to Dial Message Waiting Pager Number- Configuration information is available in this document.	See Section 2.6
Using Uniform Dialing Plan to Route Calls to the Mobility Server- Configuration information is available in this document.	See Section 2.7

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Figure 1



!!!! PLEASE READ THE PARAGRAPH BELOW !!!!

A majority of the information presented within this document was captured from print screens of the Lucent's Definity G3si PBX and Audix voice mail system. Red and black characters will be used within the print screens to indicate important fields for the current frame and default settings respectively. **The installation process will be easier if the data form on page 7 is completed before the installation process begins.** Data requests from the data form will appear as Blue text. Class of Service (COS) and Class of Restriction (COR) values defined within this document are for reference only. The PBX administrator is responsible for assigning the appropriate COS or COR settings. Examples of COS and COR forms referenced within this document will appear in the Appendix.

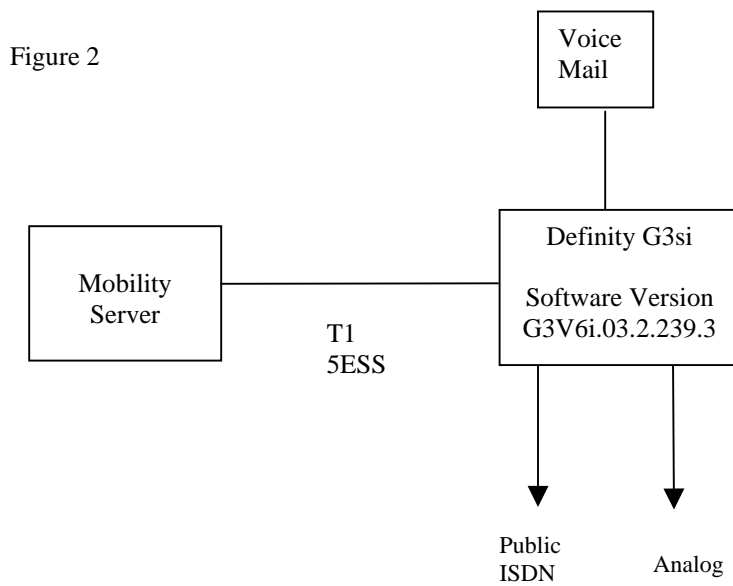
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2. Technical Discussion

2.1. Connection via T1 5ESS

Mobility Server connection to G3si (5ESS T1)



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T1 5ESS to Definity	
Link ID	PBX_T1_5ESS
Board & Port number	0, 2
Capacity	T1
Protocol layer 3	ISDN 5ESS network side
Protocol Version	No Version
Network Termination	Master
Send restart layer 2	No
Frame structure	Extended Super Frame
Alarm Indication	Option 1
Line Coding	B8ZS

T1 5ESS Definity to Mobility Server	
ROU	5
Line Compensation:	1
Signaling Mode:	isdn-pri
Connect:	network
Interface Companding:	mulaw
Idle code:	11111111
DCP/Analog Bearer Cap.:	3.1 kHz
Slip Detection:	n
Line Coding:	b8zs
Framing Mode:	esf
Country Protocol:	1
Protocol Version:	a

Mobility Server PBX Link Setup

- Create PRI link to PBX (Physical Link)
 - Hardware Resources, - Physical Link, - Create Advanced:

Input Field Name	Data fill	Default value (Y)es or (N)o
Link Id	T1_to_PBX_Link	N
Board and port number	0, 2	N
Capacity	T1	N
Send restart at layer 2 establishment:	NO	
Protocol Layer 3	ISDN 5ESS Network Side	N
Protocol Version	no version	Y
Network Termination	Master	Y
T309	90000	Y
T316	120000	Y
	2	Y
Protocol Layer 2	LAPD	Y
Ack Pending Time	0	Y
Window Size	7	Y
T200	1000	Y
T203	10000	Y
N200	3	Y
Frame Structure	ESF (Extended SuperFrame)	N
Threshold CRC4	915	Y
Cont CRC Time	50	Y
Mfa Time	150	Y
Alarm Indication	Option 0	N
Line Coding	B8ZS	N

[APPLY]

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- Create Routes for Link just created
 - Route Handling, - Route, - Create:

Type of Route Connection	Private Network Exchange
Route ID	20
Name	PBX_ROUTE1
Customer	common
Trunk Call Discrimination	15
Traffic Matrix Coordination	15
Call Collision Priority	A-side (high)
Channel Selection Order	Bottom
Channel Negotiation	Yes

[APPLY]

- Action: Create Trunks for Links just created
 - Hardware Resources, - Trunk, Create:

Trunk Id	T1_TRUNK
Route	20
Physical Link	T1_to_PBX_Link
First B-channel	1
Last B-channel	23

[APPLY]

- Action: Create Primary Routing Analysis
 - Route Handling, - Primary Routing, - Create:

Net type	PNP
Logical route	1
Transfer capability	Don't Care
Customer	Common
Selected route(s)	20
Alternative Logical Route	none

[APPLY]

Result: Primary Analysis set.

If the configuration has more than one link to the PBX then perform these additional steps:

- Create PRI link to PBX (2nd Physical Link)
 - Hardware Resources, - Physical Link, - Create Advanced:

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Input Field Name	Data fill	Default value (Yes or No)
Link Id	2 nd _T1_to_PBX_Link	N
Board and port number	0, 6	N
Capacity	T1	N
Send restart at layer 2 establishment:	NO	
Protocol Layer 3	ISDN 5ESS Network Side	N
Protocol Version	no version	Y
Network Termination	Master	Y
T309	90000	Y
T316	120000	Y
	2	Y
Protocol Layer 2	LAPD	Y
Ack Pending Time	0	Y
Window Size	7	Y
T200	1000	Y
T203	10000	Y
N200	3	Y
Frame Structure	ESF (Extended SuperFrame)	N
Threshold CRC4	915	Y
Cont CRC Time	50	Y
Mfa Time	150	Y
Alarm Indication	Option 0	N
Line Coding	B8ZS	N

[APPLY]

- Action: Create Trunks for Links just created
 - Hardware Resources, - Trunk, Create:

Trunk Id	T1_TRUNK
Route	20
Physical Link	2 nd _T1_to_PBX_Link
First B-channel	1
Last B-channel	23

[APPLY]

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Data Form

DATA#	DATA VALUE	DATA VALUE EXAMPLE	DESCRIPTION	FORM
Data1		01A15	DS1 Location: [cabinet(1-3); carrier(A-E); slot (0-20 example:01A15 Recommended card type = TN464 F	DS1 Circuit Pack
Data2		3	Signaling Group	Signaling Group
Data3		1001	Data Extension	Data Module
Data4		30002	Maintenance Extension	Data Module
Data5		4	Physical Channel	Data Module
Data6		541	TAC	Trunk Group
Data7		4321	System Guest Password: Needed when section 2.4 will be used for voice mail delivery	System-Parameters Features (Audix-Voice Mail System)
Data8		32333	Automated Attendant's Hunt Group Extension #	Hunt Group
Data9		2	Coverage Path for Automated Attendant	Coverage Path
Data10		32999	Audix's Hunt Group Extension #	Hunt Group
Data11		1	# of Ports to be Used for Outcalling	System-Parameters Outcalling (Audix VMS)
Data12		226	RNX code to be used by UDP	Uniform Dialing Plan
Data13		4	Route between G3si and Mobility Server	Pattern Number
Data14		3	Trunk to Mobility Server	Trunk Group
Data15		1	Automated Attendant's Hunt Group #	Hunt Group
Data16		97	Audix's Hunt Group #	Hunt Group

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The forms listed below are needed to connect a 5ESS PRI between the G3si and the Mobility Server:

- DS1 Circuit Pack
- Signaling Group
- Synchronization Plan
- Data Module
- Interface Links
- Processor Channel
- Trunk Group
- ISDN Numbering - Private

Using the G3si's console or remote terminal enter the *commands* listed below and refer to the captured print screens for examples:

add ds1 Data1

DS1 CIRCUIT PACK		Page 1 of 2
Location: Data1	Name: Locally Defined	
Bit Rate: 1.544	Line Coding: b8zs	
Line Compensation: 1	Framing Mode: esf	
Signaling Mode: isdn-pri	Country Protocol: 1	
Connect: network	Protocol Version: a	
Interface Companding: mulaw	CRC? n	
Idle Code: 11111111		
DCP/Analog Bearer Capability: 3.1kHz		
Slip Detection? n	Near-end CSU Type: other	
-----		Page 2 of 2
ESF DATA LINK OPTIONS		
Network Management Protocol: tabs		
Send ANSI-T1.403 One-Second Performance Reports? n		
Far-end CSU Address: b		

add signaling-group Data2

SIGNALING GROUP		Page 1 of N
Group Number: Data2	Associated Signaling? y	Max number of NCA TSC: 0
	Primary D-Channel: Data124	Max number of CA TSC: 0
		Trunk Group for NCA TSC:
Trunk Group for Channel Selection:		
Supplementary Service Protocol: a		
Accept default settings for pages 2 to N		

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display synchronization

SYNCHRONIZATION PLAN			Page 1 of 2
Stratum: 4			
Primary: Previously Defined Secondary:			
Location	Name	Slip	
Data1	Locally Defined	n	
NOTE: DS1 and BRI TRUNK sources result in stratum 4, type II synchronization			

add data-module next

DATA MODULE		Page 1 of 1
Data Extension: Data3	Name: Locally Defined	
Type: procr-intf COS: Locally defined (example 14)	Maintenance Extension: Data4	
Physical Channel: Data5	COR: Locally defined (example 89)	
ITC: restricted	TN: 1	
ABBREVIATED DIALING		
List1:		
SPECIAL DIALING OPTION:		
ASSIGNED MEMBER (Station with a data extension button for this data module)		
Ext	Name	
1:		

change communication-interface links

INTERFACE LINKS									Page 1 of 1
Link	Enable	Est Conn	PI Ext	Prot	Destination Digits	Brd DTE	DTE/ DCE	Identification	
Data5:	n	y	Data3	ISDN		Data1		Locally Defined	
Link 1 [eia] - Connected to: DCE Clocking: external									

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change communication-interface processor channels

PROCESSOR CHANNEL ASSIGNMENT							Page 1 of N
Proc Chan	Appl.	Interface Link	Chan	Priority	Remote Proc Chan	Machine-ID	
X:	isdn	Data5		h			

Accepts default settings for pages 2 to N

change communication-interface links

INTERFACE LINKS									Page 1 of 1
Link	Enable	Est Conn	PI Ext	Prot	Destination Digits	Brd DTE	DTE/DCE	Identification	
4:	y	y	Data3	ISDN		Data1		Locally Defined	

Link 1 [eia] - Connected to: DCE Clocking: external

add trunk-group Data14

TRUNK GROUP			Page 1 of N
Group Number: Data14	Group Type: isdn	CDR Reports: y	
Group Name: Locally Defined	COR: Locally defined (Example 95)	TN: 1 TAC: Data6	
Direction: two-way	Outgoing Display? y		
Dial Access? n	Busy Threshold: 99	Night Service:	
Queue Length: 0			
Service Type: tie	Auth Code? n	TestCall ITC: rest	
Far End Test Line No:			
TestCall BCC: 4			
TRUNK PARAMETERS			
Codeset to Send Display: 6	Codeset to Send TCM,Lookahead: 6		
Max Message Size to Send: 260	Charge Advice: none		
Supplementary Service Protocol: a	Digit Handling (in/out): enbloc/enbloc		
Trunk Hunt: cyclical			
Connected to Toll? n	STT Loss: normal	DTT to DCO Loss: normal	
Calling Number - Delete:	Insert:	Numbering Format:	
Bit Rate: 1200	Synchronization: async	Duplex: full	
Disconnect Supervision - In? y	Out? n		
Answer Supervision Timeout: 0			

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TRUNK FEATURES							Page 2 of N
ACA Assignment? n	Measured: none	Wideband Support? n					
Internal Alert? n	Maintenance Tests? y						
Data Restriction? n	NCA-TSC Trunk Member:						
	Send Name: y	Send Calling Number: y					
Used for DCS? n	Hop Dgt? n	Send Connected Number: y					
Suppress # Outpulsing? n		Numbering Format: private					
Outgoing Channel ID Encoding: preferred	UUI IE Treatment: service-provider						
Send UCID? n							
Send Codeset 6/7 LAI IE? y							

INCOMING CALL HANDLING TREATMENT							Page 3 of N
Service/ Feature	Called Len	Called Number	Del	Insert	Per Call CPN/BN	Night Serv	

TRUNK GROUP							Page 4 of N
Administered Members (min/max): 1/23				Total Administered Members: 23			
GROUP MEMBER ASSIGNMENTS							
Port	Code	Sfx	Name	Night	Sig	Grp	
1: Data101	TN464	F			Data2		
2: Data102	TN464	F			Data2		
3: Data103	TN464	F			Data2		
4: Data104	TN464	F			Data2		
5: Data105	TN464	F			Data2		
6: Data106	TN464	F			Data2		
7: Data107	TN464	F			Data2		
8: Data108	TN464	F			Data2		
9: Data109	TN464	F			Data2		
10: Data110	TN464	F			Data2		
11: Data111	TN464	F			Data2		
12: Data112	TN464	F			Data2		
13: Data113	TN464	F			Data2		
14: Data114	TN464	F			Data2		
15: Data115	TN464	F			Data2		
16: Data116	TN464	F			Data2		
17: Data117	TN464	F			Data2		
18: Data118	TN464	F			Data2		
19: Data119	TN464	F			Data2		
20: Data120	TN464	F			Data2		
21: Data121	TN464	F			Data2		
22: Data122	TN464	F			Data2		
23: Data123	TN464	F			Data2		
Accept default settings for remaining pages							

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change isdn private-numbering

ISDN NUMBERING - PRIVATE FORMAT	
Network Level: * 0	PBX Identifier:
Level 2 Code:	Deleted Digits: 0
Level 1 Code:	

* Use 0 whenever the NPI is PNP and the TON is local
Use 1 whenever the NPI is PNP and the TON is Regional 1
Use 2 whenever the NPI is PNP and the TON is Regional 2

***** Refer to section 2.5 for voice mail configuration information. *****

2.2. Connection via E1 Q-SIG

The forms listed below are needed to connect an E1 Q-Sig PRI between the G3si and the Mobility Server:

- DS1 Circuit Pack
- Signaling Group
- Synchronization Plan
- Data Module
- Interface Links
- Processor Channel
- Trunk Group
- ISDN Numbering - Private

Using the G3si's console or remote terminal enter the *commands* listed below and refer to the captured print screens for examples.

add ds1 Data1

DS1 CIRCUIT PACK		Page 1 of 2
Location: Data1	Name: Locally Defined	
Bit Rate: 2.048	Line Coding: hdb3	
Signaling Mode: isdn-pri		
Connect: pbx	Interface: peer-slave	
	Peer Protocol: Q-SIG	
	Side: b	
	CRC? y	
Interface Companding: alaw		
Idle Code: 11111111		
DCP/Analog Bearer Capability: 3.1kHz		
Slip Detection? n	Near-end CSU Type: other	

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ESF DATA LINK OPTIONS

Network Management Protocol: tabs
Send ANSI-T1.403 One-Second Performance Reports? n
Far-end CSU Address: b

add signaling-group Data2

SIGNALING GROUP

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Group Number: **Data2** Associated Signaling? y Max number of NCA TSC: 0
Primary D-Channel: **Data116** Max number of CA TSC: 0
Trunk Group for Channel Selection: Trunk Group for NCA TSC:
Supplementary Service Protocol: **b**

Accept default settings for remaining pages

display synchronization

SYNCHRONIZATION PLAN

Page 1 of 2

Stratum: 4
Primary: Previously Defined Secondary:

Location	Name	Slip
Data1	Locally Defined	n

NOTE: DS1 and BRI TRUNK sources result in stratum 4, type II synchronization

Accept default settings for page 2

add data-module next

DATA MODULE

Page 1 of 1

Data Extension: **Data3** Name: **Locally Defined**
Type: procr-intf COS: **Locally defined (example 14)** Maintenance Extension: **Data4**
Physical Channel: **Data5** COR: **Locally defined (example 89)**
ITC: restricted TN: 1
ABBREVIATED DIALING
List1:

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SPECIAL DIALING OPTION:

ASSIGNED MEMBER (Station with a data extension button for this data module)

Ext Name
1:

change communication-interface links

INTERFACE LINKS									Page 1 of 1
Link	Enable	Est Conn	PI Ext	Prot	Destination Digits	Brd DTE	DTE/DCE	Identification	
Data5:	n	y	Data3	ISDN		Data1		Locally Defined	
Link 1 [eia] - Connected to: DCE Clocking: external									

change communication-interface processor channels

PROCESSOR CHANNEL ASSIGNMENT							Page 1 of N
Proc Chan	Appl.	Interface Link	Chan	Priority	Remote Proc Chan	Machine-ID	
X:	isdn	Data5		h			
Accepts defaults for pages 2 to N							

change communication-interface links

INTERFACE LINKS									Page 1 of 1
Link	Enable	Est Conn	PI Ext	Prot	Destination Digits	Brd DTE	DTE/DCE	Identification	
Data5:	y	y	Data3	ISDN		Data1		Locally Defined	
Link 1 [eia] - Connected to: DCE Clocking: external									

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add trunk-group next

TRUNK GROUP							Page 1 of N
Group Number: Data14		Group Type: isdn		CDR Reports: y			
Group Name: Locally Defined		COR: Locally defined (example 95)		TN: 1	TAC: Data6		
Direction: two-way		Outgoing Display? y					
Dial Access? n		Busy Threshold: 99		Night Service:			
Queue Length: 0		Auth Code? n		TestCall ITC: rest			
Service Type: tie							
Far End Test Line No:							
TestCall BCC: 4							
TRUNK PARAMETERS							
Codeset to Send Display: 6		Codeset to Send TCM,Lookahead: 6					
Max Message Size to Send: 260		Charge Advice: none					
Supplementary Service Protocol: b		Digit Handling (in/out): enbloc/enbloc					
Trunk Hunt: cyclical							
Connected to Toll? n		STT Loss: normal		DTT to DCO Loss: normal			
Calling Number - Delete:		Insert:		Numbering Format:			
Bit Rate: 1200		Synchronization: async		Duplex: full			
Disconnect Supervision - In? y		Out? n					
Answer Supervision Timeout: 0							
						Page 2 of N	
TRUNK FEATURES							
ACA Assignment? n		Measured: none		Wideband Support? n			
Internal Alert? n		Maintenance Tests? y					
Data Restriction? n		NCA-TSC Trunk Member:					
		Send Name: y		Send Calling Number: y			
Used for DCS? n		Hop Dgt? n		Send Connected Number: y			
Suppress # Outpulsing? n		Numbering Format: private					
Outgoing Channel ID Encoding: preferred		UUI IE Treatment: service-provider					
Send UCID? n							
Send Codeset 6/7 LAI IE? y							
						Page 3 of N	
INCOMING CALL HANDLING TREATMENT							
Service/ Feature	Called Len	Called Number	Del	Insert	Per Call CPN/BN	Night	
						Page 4 of N	
TRUNK GROUP							
Administered Members (min/max): 1/23		Total Administered Members: 23					
GROUP MEMBER ASSIGNMENTS							

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Port	Code	Sfx	Name	Night	Sig Grp
1: Data101	TN464	F			Data2
2: Data102	TN464	F			Data2
3: Data103	TN464	F			Data2
4: Data104	TN464	F			Data2
5: Data105	TN464	F			Data2
6: Data106	TN464	F			Data2
7: Data107	TN464	F			Data2
8: Data108	TN464	F			Data2
9: Data109	TN464	F			Data2
10: Data110	TN464	F			Data2
11: Data111	TN464	F			Data2
12: Data112	TN464	F			Data2
13: Data113	TN464	F			Data2
14: Data114	TN464	F			Data2
15: Data115	TN464	F			Data2
16: Data117	TN464	F			Data2
17: Data118	TN464	F			Data2
18: Data119	TN464	F			Data2
19: Data120	TN464	F			Data2
20: Data121	TN464	F			Data2
21: Data122	TN464	F			Data2
22: Data123	TN464	F			Data2
23: Data124	TN464	F			Data2
24: Data125	TN464	F			Data2
25: Data126	TN464	F			Data2
26: Data127	TN464	F			Data2
27: Data128	TN464	F			Data2
28: Data129	TN464	F			Data2
29: Data130	TN464	F			Data2
30: Data131	TN464	F			Data2

Accept default settings for remaining pages

change isdn private-numbering

ISDN NUMBERING - PRIVATE FORMAT	
Network Level: * 0	PBX Identifier:
Level 2 Code:	Deleted Digits: 0
Level 1 Code:	

* Use 0 whenever the NPI is PNP and the TON is local
Use 1 whenever the NPI is PNP and the TON is Regional 1
Use 2 whenever the NPI is PNP and the TON is Regional 2

***** Refer to section 2.4 for voice mail configuration information. *****

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2.3. Connection via T1 Q-SIG

The forms listed below are needed to connect a T1 Q-Sig PRI between the G3si and the Mobility Server:

- DS1 Circuit Pack
- Signaling Group
- Synchronization Plan
- Data Module
- Interface Links
- Processor Channel
- Trunk Group
- ISDN Numbering - Private

Using the G3si's console or remote terminal enter the *commands* listed below and refer to the captured print screens for examples:

add ds1 Data1

DS1 CIRCUIT PACK		Page 1 of 2
Location: Data1	Name: Locally Defined	
Bit Rate: 1.544	Line Coding: b8zs	
Line Compensation: 1	Framing Mode: esf	
Signaling Mode: isdn-pri	Interface: peer-slave	
Connect: pbx	Peer Protocol: Q-SIG	
	Side: b	
	CRC? n	
Interface Companding: mulaw		
Idle Code: 11111111		
DCP/Analog Bearer Capability: 3.1kHz		
Slip Detection? n	Near-end CSU Type: other	

add signaling-group next

SIGNALING GROUP			Page 1 of N
Group Number: Data2	Associated Signaling? y	Max number of NCA TSC: 0	
	Primary D-Channel: Data1	Max number of CA TSC: 0	
		Trunk Group for NCA TSC:	
Trunk Group for Channel Selection:			
Supplementary Service Protocol: b			
Accept default settings for pages 2 to N			

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display synchronization

SYNCHRONIZATION PLAN			Page 1 of 2
Stratum: 4			
Primary: Previously Defined Secondary:			
Location	Name	Slip	
Data1	Locally Defined	n	
NOTE: DS1 and BRI TRUNK sources result in stratum 4, type II synchronization			
Accept default settings for page 2			

add data-module next

DATA MODULE		Page 1 of 1
Data Extension: Data3	Name: Locally Defined	
Type: procr-intf	Maintenance Extension: Data4	
COS: Locally defined (example 14)	COR: Locally defined (example 89)	
Physical Channel: Data5	TN: 1	
ITC: restricted		
ABBREVIATED DIALING		
List1:		
SPECIAL DIALING OPTION:		
ASSIGNED MEMBER (Station with a data extension button for this data module)		
Ext	Name	
1:		

change communication-interface links

INTERFACE LINKS									Page 1 of 1
Link	Enable	Est Conn	PI Ext	Prot	Destination Digits	Brd DTE	DTE/ DCE	Identification	
Data5:	n	y	Data3	ISDN		Data1		Locally Defined	
Link 1 [eia] - Connected to: DCE Clocking: external									

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change communication-interface processor channels

PROCESSOR CHANNEL ASSIGNMENT							Page 1 of N
Proc Chan	Appl.	Interface Link	Chan	Priority	Remote Proc Chan	Machine-ID	
X:	isdn	Data5		h			

Accepts default settings for pages 2 to N

change communication-interface links

INTERFACE LINKS									Page 1 of 1
Link	Enable	Est Conn	PI Ext	Prot	Destination Digits	Brd DTE	DTE/DCE	Identification	
Data5:		y	y	Data3	ISDN		Data1	Locally Defined	

Link 1 [eia] - Connected to: DCE Clocking: external

add trunk-group next

TRUNK GROUP			Page 1 of N
Group Number: Data14	Group Type: isdn	CDR Reports: y	
Group Name: Locally Defined	COR: Locally defined (95)	TN: 1 TAC: Data6	
Direction: two-way	Outgoing Display? y		
Dial Access? n	Busy Threshold: 99	Night Service:	
Queue Length: 0			
Service Type: tie	Auth Code? n	TestCall ITC: rest	
Far End Test Line No:			
TestCall BCC: 4			
TRUNK PARAMETERS			
Codeset to Send Display: 6	Codeset to Send TCM,Lookahead: 6		
Max Message Size to Send: 260	Charge Advice: none		
Supplementary Service Protocol: b	Digit Handling (in/out): enbloc/enbloc		
Trunk Hunt: cyclical			
Connected to Toll? n	STT Loss: normal	DTT to DCO Loss: normal	
Calling Number - Delete:	Insert:	Numbering Format:	
Bit Rate: 1200	Synchronization: async	Duplex: full	
Disconnect Supervision - In? y	Out? n		
Answer Supervision Timeout: 0			

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TRUNK FEATURES

ACA Assignment? n Measured: none Wideband Support? n
Internal Alert? n Maintenance Tests? y
Data Restriction? n NCA-TSC Trunk Member:
 Send Name: **y** Send Calling Number: **y**
Used for DCS? n Hop Dgt? n Send Connected Number: **y**
Suppress # Outpulsing? n Numbering Format: **private**
Outgoing Channel ID Encoding: preferred UUI IE Treatment: service-provider
Send UCID? n
Send Codeset 6/7 LAI IE? y

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INCOMING CALL HANDLING TREATMENT

Service/ Feature	Called Len	Called Number	Del	Insert	Per Call CPN/BN	Night Serv
---------------------	---------------	------------------	-----	--------	--------------------	---------------

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TRUNK GROUP

Administered Members (min/max): 1/23

GROUP MEMBER ASSIGNMENTS

Total Administered Members: 23

Port	Code	Sfx	Name	Night	Sig Grp
1: Data101	TN464	F			Data2
2: Data102	TN464	F			Data2
3: Data103	TN464	F			Data2
4: Data104	TN464	F			Data2
5: Data105	TN464	F			Data2
6: Data106	TN464	F			Data2
7: Data107	TN464	F			Data2
8: Data108	TN464	F			Data2
9: Data109	TN464	F			Data2
10: Data110	TN464	F			Data2
11: Data111	TN464	F			Data2
12: Data112	TN464	F			Data2
13: Data113	TN464	F			Data2
14: Data114	TN464	F			Data2
15: Data115	TN464	F			Data2
16: Data116	TN464	F			Data2
17: Data117	TN464	F			Data2
18: Data118	TN464	F			Data2
19: Data119	TN464	F			Data2
20: Data120	TN464	F			Data2
21: Data121	TN464	F			Data2

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22: Data122	TN464 F	Data2
23: Data123	TN464 F	Data2

change isdn private-numbering

ISDN NUMBERING - PRIVATE FORMAT	
Network Level: * 0	PBX Identifier:
Level 2 Code:	Deleted Digits: 0
Level 1 Code:	

* Use 0 whenever the NPI is PNP and the TON is local
Use 1 whenever the NPI is PNP and the TON is Regional 1
Use 2 whenever the NPI is PNP and the TON is Regional 2

***** Refer to section 2.4 for voice mail configuration information. *****

2.4. Using Audix's Hunt Group for Voice Mail Delivery to Lucent's Definity Audix

Audix's Hunt Group extension number should be used as the Default Voice Mail Address for Mobility Servers using T1 or E1 Q-SIG, however calls to unavailable wireless users will only receive the System Greeting. The formatting information listed below should be used as a **guide** for configuring the Mobility Server's database.

Default voice mail address: **Data10** (Audix's Hunt Group Extension number)
Voice mail subaddress: 32017#4321#, where 32017 is a voice mailbox and 4321# is Audix's system guest password (**See note below**)
Voice mail access: 32017#1234#, (extension#/password#)

Note: To illuminate the Message Waiting lamp on a desk phone (PBX extension), the desk phone's extension number must be a subscriber within the voice mail system and defined in the voice mail subaddress field of the associated Mobility Server end user.

Example: (Assumption: Entries within Active Profile are unavailable and the Absent Profile is configured for voice mail.)

Mobility Server User = 74123 PBX extension or desk phone = 32017 Default Voice Mail = 32999

If a call is routed to unavailable user 74123, the calling party will be redirected to the default voice mail address 32999. Once the connection is established, the characters defined in the voice mail subaddress field will be sent into the Automated Attendant as DTMF characters (32017#4321#). DTMF string "32017#4321#" will allow a voice mail message to be left for voice mail subscriber 32017. Whenever a voice mail message is left for 32017 the message-waiting lamp will illuminate on the desk phone and an MWI will be directed to mobile 74123 via the Outcalling feature. See section 2.6 for more information related to Outcalling. The voice mail access field will be used whenever a Mobility Server user attempts to retrieve voice mail via the Personal Assistant.

The system guest password can be defined by logging into Audix, entering the command shown below, defining a System Guest Password, and defining a Minimum Password Length:

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change system-parameters features

SYSTEM-PARAMETERS FEATURES		Page 1 of 3
AUDIX	Active Alarms: wA Thresholds: none	Logins: 1
LOG-IN PARAMETERS		
Login Retries: 3		Consecutive Invalid Attempts: 18
System Guest Password: Data7		Minimum Password Length: 4
PASSWORD AGING LIMITS (DAYS)		
	Subscriber Mailboxes	Administrator Login
Expiration Interval:	0	0 (0 disables expiration)
Minimum Age Before Changes:	0	0
Expiration Warning:	0	0 (0 disables warnings)
INPUT TIME LIMITS (SECONDS)		
Normal: 60	Full Mailbox Timeout: 5	Wait (*W): 180
Between Digits at Auto-attendant or Standalone Menu: 3 (3-12)		
DISCONNECT OPTIONS		
Quick Silence Disconnect? n	Silence Limit? 30 (5-30 seconds)	
Tone Based Disconnect? n		
AUDIX	Active Alarms: wA Thresholds: none	Logins: 1

SYSTEM-PARAMETERS FEATURES		Page 2 of 3
MISCELLANEOUS PARAMETERS		
Broadcast Mailbox Extension:		
System Prime Time, Start: 08:00		End: 17:00
Weekly Backup Enabled? y		Locals Only? n
Increment(l/s), Rewind: s		Advance: s
FEATURE ACTIVATION		
Traffic Collection? y		
Name Record by Subscriber? y		
Multiple Personal Greetings? y		
End of Message Warning? y		Warning Time (seconds): 15
Priority on Call Answer? n		
CALL TRANSFER OUT OF AUDIX		
Transfer Type: basic		Transfer Restriction: subscribers
Covering Extension:		

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After changing the COS form, verify that each subscriber's addressing format is name. A subscriber's addressing format may also be changed on an individual basis by typing *change subscriber X*, where X is the subscriber's voice mail box.

Verify the following from the Mobility Server's Service Areas:

Customer Section: Default voice mail address = Audix Hunt Group extension number ([Data10](#))
End User Section: Voice mail subaddress = extension number (PBX extension)
End User Section: Voice mail access = extension number#password#, where password# is optional
Absent Profile: Directory number = **Pre-defined**
Absent Profile: Terminal Type = **Voice mail box**
Absent Profile: Status = **Active**

2.5. Using Automated Attendant for Voice Mail Delivery to Lucent's Definity Audix

Voice mail delivery via the Automated Attendant should only be used on 5ESS PRIs. See [format](#) and [example](#) listed below:

Default Voice Mail Address: [Data10](#) (Audix's Hunt Group Extension #)
Voice mail subaddress: 32017 (Voice mail box for PBX extension 32017, [See note below](#))
Voice mail access: 32017#1234# (Voice mail box # password #)
Directory number (absent profile): [Data8](#) (Automated Attendant's Hunt Group Extension number)

Note: To illuminate the Message Waiting lamp on a desk phone (PBX extension), the desk phone must be a subscriber within the voice mail system and defined in the voice mail subaddress field of the associated Mob Server end user.

Example: (Assumption: Stations within Active Profile are unavailable and the Absent Profile is configured for voice mail.)

Mobility Server User = 74123 PBX extension or desk phone = 32017 Default Voice Mail = 32999

If a call is routed to unavailable user 74123, the calling party will be redirected to the directory number defined within the Absent Profile of 74123. Once the connection is established, characters defined in the voice mail subaddress field will be sent into the Automated Attendant as DTMF digits (32017). DTMF string "32017" will allow a voice mail message to be left for voice mail subscriber 32017. Whenever a voice mail message is left for 32017 the message-waiting lamp will illuminate on the desk phone and an MWI will be directed to mobile 74123 via the Outcalling feature. See section 2.6 for more information related to Outcalling. The voice mail access field will be used whenever a Mobility Server user attempts to retrieve voice mail via the Personal Assistant.

Commands from G3si's (PBX) console or remote terminal

add coverage path next

COVERAGE PATH	
Coverage Path Number: Data9	Page 1 of 1
Hunt after Coverage? n	

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Next Path Number: Linkage

COVERAGE CRITERIA

Station/Group Status	Inside Call	Outside Call	
Active?	y	y	
Busy?	y	y	
Don't Answer?	y	y	Number of Rings: 1
All?	y	y	
DND/SAC/Goto Cover?	y	y	

COVERAGE POINTS

Terminate to Coverage Pts. with Bridged Appearances? n

Point1: hData16 Point2: Point3:
Point4: Point5: Point6:

add hunt-group Data15

HUNT GROUP

Page 1 of N

Group Number: Data8 ACD? n
Group Name: auto attendant Queue? y (optional)
Group Extension: Locally defined Vector? n
Group Type: ucd-mia Coverage Path: Data9
TN: 1 Night Service Destination:
COR: Locally defined MM Early Answer? n
Security Code: optional
ISDN Caller Display:

Queue Length: 1
Calls Warning Threshold: Port:
Time Warning Threshold: Port:

Accept default settings for pages 2 to N

Commands from Audix's (Voice Mail System) console or remote terminal

add subscriber X, where X is the Automated Attendant's number

SUBSCRIBER

Page 1 of N

AUDIX Active Alarms: wA Thresholds: none Logins: 1

Name: auto attendant Locked? n
Extension: Data8 Password: Locally Defined

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COS: **default**
Switch Number: **Locally defined**
Community ID: **Locally defined**

Miscellaneous:
Covering Extension:
Broadcast Mailbox? n

**The Name field on this page must match the Group Name field of Hunt Group form above.
COS will change from default to custom when PERMISSIONS Type is set to auto-attendant.**

Page 2 of N

SUBSCRIBER CLASS OF SERVICE PARAMETERS

AUDIX Active Alarms: wA Thresholds: none Logins: 1
SUBSCRIBER CLASS OF SERVICE PARAMETERS
Addressing Format: extension Login Announcement Set: System
System Multilingual is OFF Call Answer Primary Annc. Set: System
Call Answer Language Choice? n Call Answer Secondary Annc. Set: System

PERMISSIONS Type: **auto-attendant** Announcement Control? n
Outcalling? **y** Priority Messages? n Broadcast: none
IMAPI Access? n IMAPI Voice File Transfer? n

INCOMING MAILBOX Order: fifo Category Order: nuo
Retention Times (days), New: 10 Old: 10 Unopened: 10
OUTGOING MAILBOX Order: fifo Category Order: unfda
Retention Times(days), File Cab: 10 Delivered/Nondeliverable: 5

Voice Mail Message (seconds), Maximum Length: 300 Minimum Needed: 32
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 8
End of Message Warning Time (seconds):
Maximum Mailing Lists: 25 Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 1200 Minimum Guarantee: 0

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SUBSCRIBER AUTOMATED ATTENDANT MENU

AUDIX Active Alarms: wA Thresholds: none Logins: 1
SUBSCRIBER AUTOMATED ATTENDANT MENU

Allow Call Transfer? y

Button	Extension	Treatment	Comment
1:	e	call-answer	Access to all 10000 series voice mail boxes
2:	e	call-answer	Access to all 20000 series voice mail boxes
3:	e	call-answer	Access to all 30000 series voice mail boxes
4:	e	call-answer	Access to all 40000 series voice mail boxes
5:	e	call-answer	Access to all 50000 series voice mail boxes
6:	e	call-answer	Access to all 60000 series voice mail boxes
7:	e	call-answer	Access to all 70000 series voice mail boxes
8:	e	call-answer	Access to all 80000 series voice mail boxes
9:	e	call-answer	Access to all 90000 series voice mail boxes
0:	e	call-answer	Access to all 00000 series voice mail boxes

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Timeout:

Length Of Time-Out On Initial Entry : 5

After completing all forms, the Automated Attendant's personal greeting can be administered by dialing into Audix and entering extension# (automated attendant's number), password#, "3", "1", "1", and "1". The personal greeting for the Automated Attendant should describe the buttons defined on the SUBSCRIBER AUTOMATED ATTENDANT MENU of the subscribers page (shown above).

The DID number for PBX extensions will be removed from the PBX and re-assigned to Mobility Server users. The PBX extension will be assigned a new number (ghost number). The ghost number will be used to define a voice mail box for the desk and mobile phone. To allow users to forward comments to voice mail messages, each subscriber's voice mail box should be addressed by name instead of extension. Enter the following commands from Audix's console or remote terminal:

change cos X, where X is the class-of-service applied to new Audix subscribers

AUDIX	Active	Alarms: wA	Thresholds: none	Logins: 1
				Page 1 of 2
CLASS OF SERVICE				
Name: Default	COS Number: X		Modified? y	
Addressing Format: name				
System Multilingual is OFF		Call Answer Primary Annc.	Login Announcement Set: System	
Call Answer Language Choice? n			Set: System	
			Call Answer Secondary Annc. Set: System	
PERMISSIONS	Type: call-answer	Announcement Control? n		
Outcalling? y	Priority Messages? n	Broadcast: none		
IMAPI Access? n	IMAPI Voice File Transfer? n			
Accept defaults for page 2				

After changing the COS form, verify that each Audix subscriber's addressing format is name.

Verify the following from the Mobility Server's Service Areas:

Customer Section: Default voice mail address = Audix Hunt Group extension number ([Data10](#))

End User Section: Voice mail subaddress = extension number (PBX extension)

End User Section: Voice mail access = extension#password#, where password# is optional

Absent Profile: Directory number = Automated Attendant's Hunt Group extension number

([Data8](#))

Absent Profile: Terminal Type = **Voice mail box**

Absent Profile: Status = **Active**

2.6. Using Outcalling to Dial Message Waiting Pager Number

The Outcalling feature can be used whenever Message Waiting Notification is not a feature of the PBX. The Outcalling feature can be used to page the Mobility Server whenever a new message is

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entered into a users voice mailbox. The commands for administering Outcalling on Audix are listed below:

change system-parameters outcalling

SYSTEM-PARAMETERS OUTCALLING				Page 1 of 1
AUDIX	Active	Alarms: wA	Thresholds: none	Logins: 1
Outcalling Active? y				
Start Time	End Time	Interval	Maximum Simultaneous	
(hh:mm)	(hh:mm)	(hh:mm)	Ports	
1: 00:00	23:59	00:15	Data11	
2: :	:	:		
3: :	:	:		
Initial Delay (mins): 0				
Maximum Number Digits: 29				
Maximum Number of Unsuccessful Outcall Attempts: 4 (Blank for no limit)				

display subscriber X, where X is a voice mailbox; verify that each subscriber's outcalling option is set to "y"

SUBSCRIBER		Page 1 of 2		
AUDIX	Active	Alarms: wA	Thresholds: none	Logins: 1
Name: Locally Defined	Locked? n			
Extension: X	Password: Locally Defined			
COS: Default	Miscellaneous:			
Switch Number: 1	Covering Extension:			
Community ID: 1	Broadcast Mailbox? n			

SUBSCRIBER CLASS OF SERVICE PARAMETERS		Page 2 of 2		
Addressing Format: extension				
Login Announcement Set: System				
System Multilingual is OFF Call Answer Primary Annc. Set: System				
Call Answer Language Choice? n Call Answer Secondary Annc. Set: System				
PERMISSIONS Type: call-answer	Announcement Control? n			
Outcalling? y	Priority Messages? n	Broadcast: none		
IMAPI Access? n	IMAPI Voice File Transfer? n			
INCOMING MAILBOX	Order: fifo	Category Order: nuo		
Retention Times (days),	New: 10	Old: 10	Unopened: 10	
OUTGOING MAILBOX	Order: fifo	Category Order: unfda		
Retention Times(days), File Cab: 10	Delivered/Nondeliverable: 5			

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Voice Mail Message (seconds), Maximum Length: 300 Minimum Needed: 32
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 8
End of Message Warning Time (seconds):
Maximum Mailing Lists: 25 Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 1200 Minimum Guarantee: 0

After administering all forms, each user will need to dial into Audix and define their outcalling number, by dialing Audix's Hunt Group number, entering extension#, password#, "6", "0", and "1". Mobility Server users should set their outcalling number to the Mobility Server's pager notification number. See example listed below for outcalling number format:

Example format: 73222***74123*##
 73222 = Message Waiting Pager number (Customer section of GUI)
 74123 = PWT User Number
 * = 1.5 second pause (4.5 seconds in example)
 *## = mandatory

The pauses listed in the example above are used to delay the connection times between Audix and the Mobility Server. Please note that the number of pauses will vary from system-to-system.

2.7. Using Uniform Dialing Plan to route calls to the Mobility Server (Optional PBX feature)

Uniform Dial Plan (UDP) can be used to provide 4 - or 5- digit dialing between 2 or more switches. The Uniform Dialing Plan, Dial Plan, and Automatic Alternate Route (AAR) forms will be used to configure UDP.

To verify that UDP is active, log into the G3si and type "display system-parameters customer-options". On the 2nd page of the form, "y" should be on the right side of the Uniform Dialing Plan feature. **If UDP is not active, calls can be routed to the Mobility Server by using Automatic Route Selection (ARS), please refer to APPENDIX B for administration information.**

The *commands* listed below should be entered from a G3si's console or remote terminal:

display dialplan

Verify Uniform dialing Plan is 4- or 5- digit

DIAL PLAN RECORD	
	Page 1 of 1
North American Area Code: Locally Defined	Local Node Number: 1
ARS Prefix 1 Required? Locally defined	ETA Node Number:
Uniform Dialing Plan: 5-digit	ETA Routing Pattern:

change UDP X, where X is a 1 to 5 digit number that describes the number series or specific numbers for Mobility Server users.

Example: For Mobility Server users belonging to the 74000-74999 series (5 digit plan).
 Type change UDP 74 to make changes for that entire range.

UNIFORM DIALING PLAN	
	Page 1 of 2
Ext Codes: 74ddx	

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Ext Code: 7xxxx Type:									
Ext Code: 74xxx Type: AARCode Data12									
dd	Type	dd	Type	dd	Type	dd	Type	dd	Type
0x:		1x:		2x:		3x:		4x:	
00:		10:		20:		30:		40:	
01:		11:		21:		31:		41:	
02:		12:		22:		32:		42:	
03:		13:		23:		33:		43:	
04:		14:		24:		34:		44:	
05:		15:		25:		35:		45:	
06:		16:		26:		36:		46:	
07:		17:		27:		37:		47:	
08:		18:		28:		38:		48:	
09:		19:		29:		39:		49:	
Accept default settings for page 2									

change aar analysis Data12

AAR DIGIT ANALYSIS TABLE										
Partitioned Group Number: 1 Percent Full: 7										Page 1 of 1
Dialed String	Total Mn	Rte Mx	Call Pat	Call Type	Nd Num	ANI Rq	Dialed String	Total Mn	Rte Mx	Call Pat
Data12	7	7	Data13	aar	locally defined	n				

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change route-pattern Data13, The insert field should be blank for 4- digit plans while the 5- digit plan requires a digit to be inserted (See explanation below).

UDP can only use 7 digits, which includes a 3- digit RNX code (private network location) and 4- digits, which identifies the extension to be reached. If a 5- digit plan is being used, UDP will only recognize the last four digits of the 5- digit number (222 74123 would be represented as 222 4123 in UDP). To create the number needed by the Mobility Server 222 should be deleted and a 7 inserted via the route pattern form.

Pattern Number: Data13									
Page 1 of 1									
Grp. No.	FRL	NPA	Pfx Mrk	Hop Lmt	Toll List	No. Del Digits	Inserted Digits	IXC user	
1:	Data14	Locally Defined				3	Locally Defined		
	BCC VALUE	TSC	CA-TSC		ITC	BCIE	Service/Feature	Numbering Format	LAR
	0 1 2 3 4 W		Request						
1:	y y y y n	n			rest			*lev0-pvt	none

* Note: If lev0-pvt does not appear as an option for Numbering Format, unk-unk may be selected. When using the unk-unk numbering format, verify that the Numbering Plan Indicator (NPI) and Type of Number (TON) for the PBX range on the Mobility Server side is being converted to private (MNPI) and local (MTON). Per call restrictions can be applied by the Mobility Server using Trunk Call Discrimination (TCD).

3. Solution

N/A

4. Reference

1. Installation and Basic Maintenance Manual
2. Definity AUDIX System Feature Descriptions 585-300-206 Comcode 107241903 issue 4, Sept 1994
3. Definity ECS release 6 Administration and Feature Description 555230522 Comcode 108136201 issue3, Jan 1998

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APPENDIX A

CLASS OF SERVICE	
	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Auto Callback	n n y n y n y n y n y n y n
Call Fwd-All Calls	n n y y y n n y n n y y n n y
Data Privacy	n n y n n y y y n n n n y y y
Priority Calling	n n y n n n n n n y y y y y y
Console Permissions	n n y n n n n n n n n n n n n n
Off-hook Alert	n n y n n n n n n n n n n n n n
Client Room	n n n n n n n n n n n n n n n n
Restrict Call Fwd-Off Net	y y y y y y y y y y y y y y y
Call Forwarding Busy/DA	n n y n n n n n n n n n n n n n
Personal Station Access (PSA)	n n y n n n n n n n n n n n n n
Extended Forwarding All	n n y n n n n n n n n n n n n n
Extended Forwarding B/DA	n n y n n n n n n n n n n n n n
Trk-to-Trk Transfer Override	n n y n n n n n n n n n n n n n
QSIG Call Offer Originations	n n y n n n n n n n n n n n n n

CLASS OF RESTRICTION	
	Page 1 of 3
	COR Number: 89
	COR Description: Data Modules
	FRL: 0
	APLT? y
Can Be Service Observed? n	Calling Party Restriction: none
Can Be A Service Observer? n	Called Party Restriction: none
Time of Day Chart: 1	Forced Entry of Account Codes? n
Priority Queuing? n	Direct Agent Calling? n
Restriction Override: none	Facility Access Trunk Test? n
Restricted Call List? n	Can Change Coverage? n
Access to MCT? y	Fully Restricted Service? n
Category For MFC ANI: 7	
Send ANI for MFE? n	
MF ANI Prefix:	Automatic Charge Display? n
Hear System Music on Hold? y	PASTE (Display PBX Data on Phone)? n
	Can Be Picked Up By Directed Call Pickup? n
	Can Use Directed Call Pickup? n
Page 2 of 3	
CLASS OF RESTRICTION	
CALLING PERMISSION (Enter "y" to grant permission to call specified COR)	

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0? y	12? y	24? y	36? y	48? y	60? y	72? y	84? y
1? y	13? y	25? y	37? y	49? y	61? n	73? y	85? y
2? y	14? y	26? y	38? y	50? y	62? y	74? y	86? y
3? y	15? y	27? y	39? y	51? y	63? y	75? y	87? y
4? y	16? y	28? y	40? y	52? y	64? y	76? y	88? y
5? y	17? y	29? y	41? y	53? y	65? y	77? y	89? y
6? y	18? y	30? y	42? y	54? y	66? y	78? y	90? y
7? y	19? y	31? y	43? y	55? y	67? y	79? y	91? y
8? y	20? y	32? y	44? y	56? y	68? y	80? y	92? y
9? y	21? y	33? y	45? y	57? y	69? y	81? y	93? y
10? y	22? y	34? y	46? y	58? y	70? y	82? y	94? y
11? y	23? y	35? y	47? y	59? y	71? y	83? y	95? y

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CLASS OF RESTRICTION

SERVICE OBSERVING PERMISSIONS

(Enter "y" to grant permission to service observe the specified COR)

0? y	12? y	24? y	36? y	48? y	60? y	72? y	84? y
1? y	13? y	25? y	37? y	49? y	61? y	73? y	85? y
2? y	14? y	26? y	38? y	50? y	62? y	74? y	86? y
3? y	15? y	27? y	39? y	51? y	63? y	75? y	87? y
4? y	16? y	28? y	40? y	52? y	64? y	76? y	88? y
5? y	17? y	29? y	41? y	53? y	65? y	77? y	89? y
6? y	18? y	30? y	42? y	54? y	66? y	78? y	90? y
7? y	19? y	31? y	43? y	55? y	67? y	79? y	91? y
8? y	20? y	32? y	44? y	56? y	68? y	80? y	92? y
9? y	21? y	33? y	45? y	57? y	69? y	81? y	93? y
10? y	22? y	34? y	46? y	58? y	70? y	82? y	94? y
11? y	23? y	35? y	47? y	59? y	71? y	83? y	95? y

CLASS OF RESTRICTION

COR Number: 95

COR Description: Trunk

FRL: 0

Can Be Service Observed? n

Can Be A Service Observer? n

Time of Day Chart: 1

Priority Queuing? n

Restriction Override: none

Restricted Call List? n

Access to MCT? y

Category For MFC ANI: 7

Send ANI for MFE? n

APLT? y

Calling Party Restriction: none

Called Party Restriction: none

Forced Entry of Account Codes? n

Direct Agent Calling? n

Facility Access Trunk Test? n

Can Change Coverage? n

Fully Restricted Service? n

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MF ANI Prefix:	Automatic Charge Display? n
Hear System Music on Hold? n	PASTE (Display PBX Data on Phone)? n
Can Be Picked Up By Directed	Call Pickup? n
Can Use Directed Call Pickup? n	

Page 2 of 3

CLASS OF RESTRICTION

CALLING PERMISSION (Enter "y" to grant permission to call specified COR)

0? y	12? y	24? y	36? y	48? y	60? y	72? y	84? y
1? y	13? y	25? y	37? y	49? y	61? n	73? y	85? y
2? y	14? y	26? y	38? y	50? y	62? y	74? y	86? y
3? y	15? y	27? y	39? y	51? y	63? y	75? y	87? y
4? y	16? y	28? y	40? y	52? y	64? y	76? y	88? y
5? y	17? y	29? y	41? y	53? y	65? y	77? y	89? y
6? y	18? y	30? y	42? y	54? y	66? y	78? y	90? y
7? y	19? y	31? y	43? y	55? y	67? y	79? y	91? y
8? y	20? y	32? y	44? y	56? y	68? y	80? y	92? y
9? y	21? y	33? y	45? y	57? y	69? y	81? y	93? y
10? y	22? y	34? y	46? y	58? y	70? y	82? y	94? y
11? y	23? y	35? y	47? y	59? y	71? y	83? y	95? y

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CLASS OF RESTRICTION

SERVICE OBSERVING PERMISSIONS

(Enter "y" to grant permission to service observe the specified COR)

0? y	12? y	24? y	36? y	48? y	60? y	72? y	84? y
1? y	13? y	25? y	37? y	49? y	61? y	73? y	85? y
2? y	14? y	26? y	38? y	50? y	62? y	74? y	86? y
3? y	15? y	27? y	39? y	51? y	63? y	75? y	87? y
4? y	16? y	28? y	40? y	52? y	64? y	76? y	88? y
5? y	17? y	29? y	41? y	53? y	65? y	77? y	89? y
6? y	18? y	30? y	42? y	54? y	66? y	78? y	90? y
7? y	19? y	31? y	43? y	55? y	67? y	79? y	91? y
8? y	20? y	32? y	44? y	56? y	68? y	80? y	92? y
9? y	21? y	33? y	45? y	57? y	69? y	81? y	93? y
10? y	22? y	34? y	46? y	58? y	70? y	82? y	94? y
11? y	23? y	35? y	47? y	59? y	71? y	83? y	95? y

CLASS OF SERVICE

COS (0)

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AUDIX Active Alarms: wA Thresholds: none Logins: 1

Name: Default COS Number: 0 Modified? y

Addressing Format: name

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Login Announcement Set: System
System Multilingual is OFF Call Answer Primary Annc. Set: System
Call Answer Language Choice? n Call Answer Secondary Annc. Set: System
PERMISSIONS Type: call-answer Announcement Control? n
Outcalling? y Priority Messages? n Broadcast: none
IMAPI Access? n IMAPI Voice File Transfer? n

AUDIX Active Alarms: wA Thresholds: none Logins: 1

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CLASS OF SERVICE

INCOMING MAILBOX Order: fifo Category Order: nuo
Retention Times (days), New: 10 Old: 10 Unopened: 10

OUTGOING MAILBOX Order: fifo Category Order: unfda
Retention Times(days),File Cab: 10 Delivered/Nondeliverable: 5
Voice Mail Message (seconds), Maximum Length: 300 Minimum Needed: 32
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 8

End of Message Warning Time (seconds):

Maximum Mailing Lists: 25 Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 1200 Minimum Guarantee: 0

CLASS OF RESTRICTION
COR Number: 60

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COR Description: AUDIX Hunt Group (FRL 0)

FRL: 0 APLT? y
Can Be Service Observed? n Calling Party Restriction: none
Can Be A Service Observer? n Called Party Restriction: none
Time of Day Chart: 1 Forced Entry of Account Codes? n
Priority Queuing? n Direct Agent Calling? n
Restriction Override: none Facility Access Trunk Test? n
Restricted Call List? n Can Change Coverage? n

Access to MCT? y Fully Restricted Service? n
Category For MFC ANI: 7
Send ANI for MFE? n
MF ANI Prefix: Automatic Charge Display? n
Hear System Music on Hold? y PASTE (Display PBX Data on Phone)? n
Can Be Picked Up By Directed Call Pickup? n
Can Use Directed Call Pickup? n

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CLASS OF RESTRICTION

CALLING PERMISSION (Enter "y" to grant permission to call specified COR)

0? y	12? y	24? y	36? y	48? y	60? y	72? y	84? y
1? y	13? y	25? y	37? y	49? y	61? y	73? y	85? y
2? y	14? y	26? y	38? y	50? y	62? y	74? y	86? y
3? y	15? y	27? y	39? y	51? y	63? y	75? y	87? y
4? y	16? y	28? y	40? y	52? y	64? y	76? y	88? y
5? y	17? y	29? y	41? y	53? y	65? y	77? y	89? y
6? y	18? y	30? y	42? y	54? y	66? y	78? y	90? y
7? y	19? y	31? y	43? y	55? y	67? y	79? y	91? y
8? y	20? y	32? y	44? y	56? y	68? y	80? y	92? y
9? y	21? y	33? y	45? y	57? y	69? y	81? y	93? y
10? y	22? y	34? y	46? y	58? y	70? y	82? y	94? y
11? y	23? y	35? y	47? y	59? y	71? y	83? y	95? y

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CLASS OF RESTRICTION

SERVICE OBSERVING PERMISSIONS

(Enter "y" to grant permission to service observe the specified COR)

0? y	12? y	24? y	36? y	48? y	60? y	72? y	84? y
1? y	13? y	25? y	37? y	49? y	61? y	73? y	85? y
2? y	14? y	26? y	38? y	50? y	62? y	74? y	86? y
3? y	15? y	27? y	39? y	51? y	63? y	75? y	87? y
4? y	16? y	28? y	40? y	52? y	64? y	76? y	88? y
5? y	17? y	29? y	41? y	53? y	65? y	77? y	89? y
6? y	18? y	30? y	42? y	54? y	66? y	78? y	90? y
7? y	19? y	31? y	43? y	55? y	67? y	79? y	91? y
8? y	20? y	32? y	44? y	56? y	68? y	80? y	92? y
9? y	21? y	33? y	45? y	57? y	69? y	81? y	93? y
10? y	22? y	34? y	46? y	58? y	70? y	82? y	94? y
11? y	23? y	35? y	47? y	59? y	71? y	83? y	95? y

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APPENDIX B

Using Automatic Route Selection (ARS) to Route Calls to the Mobility Server

Automatic Route Selection may be used to route calls to the Mobility Server when Uniform Dial Plan (UDP) is not available. PBX users must dial 9 + Personal Number (DUN) to be routed to Mobility Server users. The commands listed below should be entered from the G3si's console:

change ars analysis X, where X is a string that describes a number series for Mobility Server users.

ARS DIGIT ANALYSIS TABLE						Page 1 of 1
Partitioned Group Number: 1		Percent Full: 7				
Dialed String	Total Mn Mx	Rte Pat	Call Type	Nd Num	ANI Rq	
X	5 5	Data13	locl	n	n	
The Total Mn and Mx will vary according dial plan (for 4 digit dial plans Mn =4 and Mx = 4)						

change route-pattern Data13

Pattern Number: Data13									Page 1 of 1
Grp. No.	FRL	NPA	Pfx Mrk	Hop Lmt	Toll List	No. Del Digits	Inserted Digits	IXC user	
1:	Data14	Locally Defined							
	BCC VALUE	TSC	CA-TSC Request		ITC	BCIE	Service/Feature	Numbering Format	LAR
1:	y y y y n	n			rest			*lev0-pvt	none
* Note: If lev0-pvt does not appear as an option for Numbering Format, unk-unk may be selected. When using the unk-unk numbering format, verify that the Numbering Plan Indicator (NPI) and Type of Number (TON) for the PBX range on the Mobility Server side is being converted to private (MNPI) and local (MTON). Per call restrictions can be applied by the Mobility Server using Trunk Call Discrimination (TCD).									