AVAYA

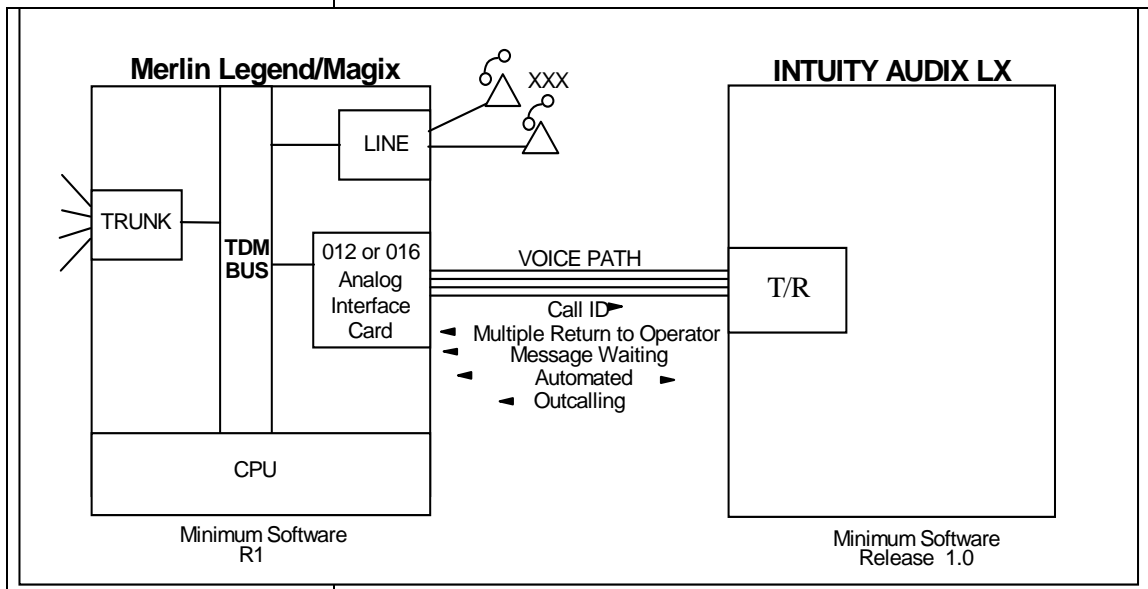## Configuration Note 9516 - Version F 03/08

Avaya Merlin Magix

With Inband integration, one pathway between the PBX and the INTUITY AUDIX LX ™ system transmits both call information and voice communications

1.0 METHOD OF INTEGRATION

With Analog Inband integration, one pathway between the Merlin Magix and the INTUITY AUDIX LX™ system transmits both call information and voice communications. The pathway is provided using a 2-wire analog single-line circuits that connect to voice cards in the system. The voice card simulates 2-wire analog lines. Calls to an INTUITY AUDIX LX™ port are preceded by the called-party information from the Merlin Magix in DTMF format. The INTUITY AUDIX LX™ system answers and plays the appropriate greeting. Message-waiting indication is set and canceled by using DTMF commands over the same pathway.

2.0 AVAYA INTUITY AUDIX LX™ ORDERING INFORMATION

Avaya INTUITY AUDIX LX ™ requirements

- Voice Port Cards, four analog connections per card, (three cards per system)

- Software Release R1.x, R2.0

- Serial and In-band Integration software

3.0 PBX HARDWARE REQUIREMENTS

- 016TRR (16-tip/ring extensions with 4 touch-tone receivers) one analog port, per INTUITY AUDIX LX port (*see **Considerations section 8.5 and 8.6***)

Minimum Requirement for analog 016TRR cards is release 19. Please refer to Consideration 8.6

- RJ11 Telephone cords, one per voice mail

- 129B frequency generator 30 Hz., or 129C frequency generator 25 Hz.

NOTE: Depending upon the size of the INTUITY AUDIX LX, additional Touch Tone (DTMF) Receivers might be necessary. Use Table 1 as a guideline for determining your requirements.

Table 1 - DTMF Receiver Requirements

Number of IA LX ports	Number of 016 modules	Number of 400 or 400 GS/LS/TTR modules	Number of TTRs needed
1	1	0	1
2	1	0	1
3	1	0	2
4	1	0	2
6	2 or 1	0 or 1	3
8	2 or 1	0 or 1	4
12	3 or 2	0 or 1	6

3.1 PBX SOFTWARE REQUIREMENTS

- Minimum Software: Release 1 or 2

- Hybrid/PBX configuration *(see section 8.2)*

4.0 SUPPORTED FEATURES

- Call coverage to personal greeting
  - busy
  - ring-no-answer
  - all calls *(see section 8.3)*

- Message-Waiting Indicator
  - LED

- Automated Attendant

- Outcalling

- Multiple return-to-operator

- Direct Call

- Personal greeting of original-called party on a double-call forward using call coverage

- Reply to message left by subscriber in internal telephone-answering mode (*See Section 8.5*).

5.0 CONFIGURING THE MERLIN MAGIX TO INTEGRATE

Configuring the Merlin Magix to integrate

The Voicemail system connects to the PBX as if it were a series of single line telephones. These single line telephones are referred to as analog ports that will be connected to the INTUITY voice portion of the voicemail system. Each port requires an RJ11 connection into the INTUITY.

It is important that these analog ports have the ability to:
Send and recognize DTMF tones,
Forward on Busy and Ring-no-answer,
Perform transfers using switch-hook flash,

These analog ports must be configured in a hunt group. The hunt group is created in the PBX to allow the station to hunt to the next voice port. Call Information is passed from the PBX to the INTUITY using DTMF tones also called touch-tones. The call information should contain, at the minimum, the called party ID. For a better integration, the switch should pass Calling Party ID and the reason code why the call was forwarded.

When a message is left for a users telephone, a second pattern of DTMF tones are passed to the PBX from the voice mail system using pre-determined codes to activate and de-activate message waiting.

In addition, all users telephones must be programmed to forward to the Pilot Number of the voicemail system on a ring-no-answer and busy condition.

In case MWI support is needed, the users telephone must have a message waiting lamp or LCD or stutter dial tone, programmed in order to determine a message has been left for the user. INTUITY LX will handle only the MWI ON/OFF code and it is the responsibility of the switch to interpret the code and switch MWI ON/OFF on the user's telephone appropriately.

Programming on the Merlin Magix can be done using a system programming console or a personal computer with System Programming and Maintenance software. With both methods, the screens seen while programming are identical. For details, refer to the AVAYA Merlin Magix Communications System Programming Manual.

☐ Once you are logged into the Merlin system, the System Programming menu will appear as follows:

```
System Programming :

Make a selection

System          Extensions

SysRenumber     Options

Operator        Tables

LinesTrunks     AuxEquip

Exit            NightSrvce>
```

System Programming Menu

☐ The Legend system must be configured as a hybrid/PBX. This programming must be done when the system is idle. In addition, this programming will cause the system to restart when you are finished. Therefore, choose an appropriate time for this procedure.

The Merlin Magix system must be configured as a hybrid/PBX

- From the System Programming menu, select **System**.

- From the System menu, select **Mode**.

- Within the Mode menu, select **Hybrid/PBX**.

- To save your selection, press **enter**.

- At this point, the system will restart as noted above. To continue programming, re-enter system programming.

☐ If necessary, install 016 analog ports for INTUITY AUDIX LX One analog port is required for each INTUITY AUDIX LX port.

☐ Program the Voice Mail System/Automated Attendant Options as follows:

Program the Voice Mail System/Automated Attendant Options

- From the System Programming menu, select **AuxEuip**, to reach the Auxiliary Equipment menu.

- From the Auxiliary Equipment menu, select **VMS/AA**.

- From the VMS/AA screen, select **TransferRtn**. This parameter, Transfer Return, represents the number of rings before calls transferred by the INTUITY AUDIX LX are sent to a designated backup position. Set it to "0" to disable this feature. If supervised transfer applications are used, this parameter should either be disabled, or set to a greater value than the "number of rings for on-PBX calls" parameter in INTUITY AUDIX LX system

management.
- The default value for Transfer Return is 4. To modify this parameter, erase the current setting, using the **Drop** key. Enter the desired value and press enter.

- From the VMS/AA screen, select **TT Duration**. This parameter should be set to 75 (milliseconds). If it is not, erase the current setting (using the Drop key) and enter 75. Press enter to save your entry.

- From the VMS/AA screen, select **TT Interval**. This parameter should be set to 50 (milliseconds). If it is not, erase the current setting (using the Drop key) and enter 50. Press enter to save your entry.

- Press exit twice to return to the System Programming menu.

☐ Create a calling group for the INTUITY AUDIX LX ports:

Create a calling group for the INTUITY AUDIX LX ports

- From the System Programming menu, select **Extensions**.

- Display the second page of the Extensions menu using the **More** key on the console (on a PC use the PgUp key).

- From the Extensions menu select **Group Calling**.

- From the Group Calling menu, select **Hunt Type**.

- Enter an extension number to be assigned to the calling group. Then press enter to save your entry. This number will be the INTUITY AUDIX LX System Access Number.

- The next screen asks you to select the hunt type. Choose **Circular**.

- Press exit to return to the Group Calling menu.

☐ Assign the Avaya ports as members of the calling group:

Assign the INTUITY AUDIX LX ports as members of the calling group

- **Magix's Mode**   All

- **Factory Setting**   Automatic Log Out

- From the **Group Calling Menu**, select **Members**.

- Next, enter the extension number just assigned to INTUITY AUDIX LX calling group. Press enter to save your entry.

- At the "Enter group members" prompt, specify the first INTUITY AUDIX LX port with *one* of the following:

  -extension number   nnnn (will be 3 or 4 digits)
  -slot and port number   *****sspp
  - -logical ID number   **#**nnn

- If the INTUITY AUDIX LX ports are in sequential number, press the **Next** key to add the next INTUITY AUDIX LX port. If the INTUITY AUDIX LX ports are not sequential, press **Enter** to add the next INTUITY AUDIX LX port. Repeat until all INTUITY AUDIX LX ports have been added to the calling group.

- When all INTUITY AUDIX LX ports have been added, verify your entries by using the **Inspect** key on the console. (If you are using a PC to program the Legend, press PgDn and then the F5 key.) This will list all members of the calling group.

- Press exit to return to the Group Calling menu.

Assign the Group Type for the INTUITY AUDIX LX AUDIX LX calling group

☐ Assign the Group Type for the INTUITY AUDIX LX calling group. This parameter tells the Legend to send mailbox ID information on calls to the INTUITY AUDIX LX system. In addition, it will automatically log in the INTUITY AUDIX LX ports after a power failure.

- At the Group Calling menu, select **More** to see the second page of the menu.

- From the Group Calling menu, select **Group Type**.

- Enter the extension number of the INTUITY AUDIX LX calling group. Press **enter** to save your entry.

- At the next screen, select **Integ VMI**. Press **enter** to save your selection.

- To return to the Extensions menu, press exit twice.

Program the INTUITY AUDIX LX AUDIX LX system as the call coverage target

☐ Program the INTUITY AUDIX LX as the call coverage target:

- Use the **More** key to reach the second page of the Extensions menu. Then, select **Group Coverage**.

- Enter a number from 1 to 30 as the coverage group number for the INTUITY AUDIX LX system. Press **enter**.

- When prompted for extension numbers, enter only the extension number assigned to the INTUITY AUDIX LX calling group. Press **enter**.

- To return to the System Programming menu, press exit twice.

☐ Program the Group Coverage Delay Interval. This is the number of rings after which the Merlin Magix will send calls to the INTUITY AUDIX LX system.

- From the System Programming menu, select **Options**.

- Use the **More** key to reach the second page of the Options menu. At this screen, choose **Group Coverage Delay Interval**.

- Erase the current entry using the **Drop** key. Now specify the number of desired rings, from 1 to 9. Press **enter**.

- To return to the System Programming menu, press exit.

☐ To assign trunks to be answered directly by the INTUITY AUDIX LX system, perform the following programming:

- From the System Programming menu, select **Extensions**.

- Use the **More** key to reach the second page of the menu. At this screen, choose **Group Calling**.

- At the Group Calling menu, select **Line/Pool**.

- Next, enter the INTUITY AUDIX LX calling group extension number. Press enter.

- At the "Enter line/pool numbers" prompt, identify the trunk or trunk pool that you want the INTUITY AUDIX LX system to answer. This can be done in one of three ways:

    - -Line or trunk number   nnn
    - -slot and port number   *****sspp
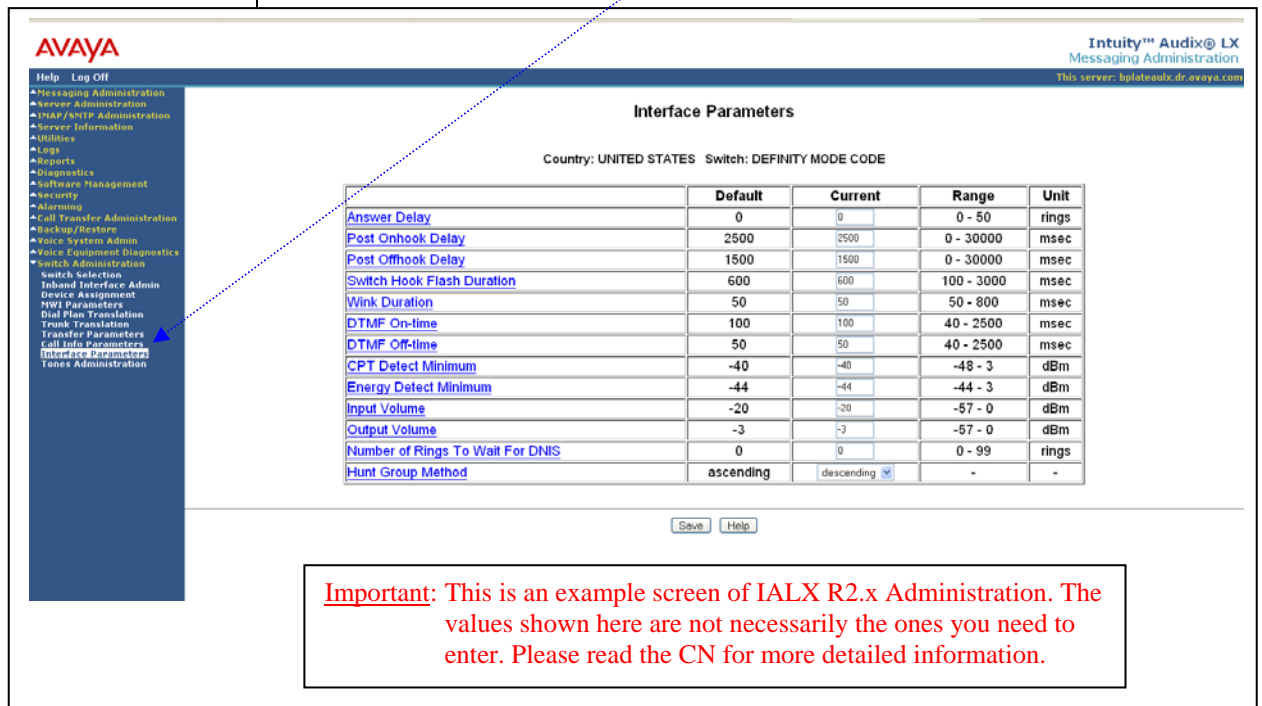   - -logical ID number   #nnn

- continued on next page -

6.0 CONFIGURING THE INTUITY AUDIX LX ™

For more information on configuring the INTUITY AUDIX LX ™, click **Help** on the appropriate page, or refer to the INTUITY AUDIX LX ™ CD ROM and refer to the Switch Integration chapters for detailed information.

☐ The following are the steps required for an INTUITY AUDIX LX ™. R2.x. INTUITY AUDIX LX 2.x uses a simpler GUI as shown in our example screen below. All you need do is open the category you will administer (shown in yellow text next to the small white triangles in the left column). You can expand these by click on the white triangle to left of it. Once this is done the category will expand providing choices below it. In our example we have opened Switch Administration. The triangle points down to indicate it is open.

Here we selected Interface Parameters. This is noted by the white rectangle around the text Interface Parameters in blue.

AVAYA

Intuity™ Audix® LX
Messaging Administration

Help   Log Off

This server: bplateaulx.dr.avaya.com

Interface Parameters

Country: UNITED STATES Switch: DEFINITY MODE CODE

	Default	Current	Range	Unit
Answer Delay	0	0	0 - 50	rings
Post Onhook Delay	2500	2500	0 - 30000	msec
Post Offhook Delay	1500	1500	0 - 30000	msec
Switch Hook Flash Duration	600	600	100 - 3000	msec
Wink Duration	50	50	50 - 800	msec
DTMF On-time	100	100	40 - 2500	msec
DTMF Off-time	50	50	40 - 2500	msec
CPT Detect Minimum	-40	-40	-48 - 3	dBm
Energy Detect Minimum	-44	-44	-44 - 3	dBm
Input Volume	-20	-20	-57 - 0	dBm
Output Volume	-3	-3	-57 - 0	dBm
Number of Rings To Wait For DNIS	0	0	0 - 99	rings
Hunt Group Method	ascending	descending	-	-

[Save] [Help]

Important: This is an example screen of IALX R2.x Administration. The values shown here are not necessarily the ones you need to enter. Please read the CN for more detailed information.

HINT: When changes to the Switch Interface Administration are completed, the voice system must then be stopped and started.

- Start at the Administration main menu
- Select Basic System Administration.
- Select **Switch Selection**.

Once a selection is made the appropriate screen will open allowing you to enter the parameters as noted in the CN.

NOTE: The Merlin/Magix Mode Code software may have to be loaded from the software CD that came with the Intuity LX.

- Under **Switch Administration**:
  - Click on *Switch Selection*
  - *Select UNITED STATES – MERLIN MAGIX/LEGEND*
  - Click **Save**

NOTE: You must stop and start the voice system to make these changes active.

- Under **Voice System Admin**
  - Click on *Assign Chans to Groups*
  - If you are setting up different channels to different groups, complete these fields as follows:
    - o Channels: *Enter a number or range* (for example, **0,1,2** or **0 1 2** or **2-4** or **all**).
    - o Groups: *Enter a number or range* (for example, **0,1,2** or **0 1 2** or **2-4** or **all**).
  - Click **Save**

  NOTE: By default, all channels are assigned to group 2. If this integration requires a dedicated MWI port then the dedicated MWI channel *must* be assigned to a *different group* to ensure that the dedicated MWI channel is available to turn MWI on/off. You can accomplish this by reassigning (you need to un-assign it before reassigning it) the MWI channel from group 2 to group 3. This group must be the same as that shown as Device ID in the Device Assignment section within Switch Administration.

  If more than one dedicated MWI channel, each channel must be in a different group. So if you have 2 MWI channels one would be assigned to group 3 and the second to group 4. By convention, the highest numbered channels are used as dedicated MWI channels.

  MWI codes may vary and should be checked to ensure that those being used are the same as used in the switch. These are then set using the MWI parameters menu in the INTUITYAUDIX LX^{TM}.

  - Click on *Assign PBX Ext/Chans*
    - o Starting PBX Extension: *Enter a phone number* (**the pilot number**) for the first channel (up to 7 digits).
    - o Starting Channel Number: *Enter a number* (start at channel 0).
    - o Ending Channel Number: *Enter the last channel number*.

  IMPORTANT: If numbers are not sequential then you have to do this for each extension and channel.

  - Click **Save**

- - Click on *Assign Services/Chans*

  - o Channel: Enter the channel number and/or a range of numbers.

  - o Service: (You have the option to select *DNIS_SVC, AUDIX, Chan Tran, chandip, or init_xfer). Choose ***DNIS_SVC**.

  - - Click **Save**

- Under **Voice Equipment Diagnostics**

  - - Click on *Display* and verify that the information you entered was entered correctly and that the voice card is INSERV state.

- Under **Voice System Admin**

  - - Click on *Assign Number Services*

    - o Called Numbers: *any* (the field after the "to" is blank).

    - o Calling Numbers: *any* (the field after the "to" is blank).

    - o Service Name: *AUDIX*.

  - - Click **Save**

  - - Click on *Display Number Services* and verify that the information was correctly entered.

- Under **Call Transfer Administration**. Customers have the option to select numbers to be allowed or denied when they are performing transfers. You can add, delete and display numbers here. Restrictions (denied numbers) can also be administered if any are to be used.

  - - If you click on *Allowed Number Display*, you will see the following for a four-digit dial plan:

From	To
0	9999

- Under **Switch Administration**.

  - - Click on **Device Assignment**

  - - You have the option to add/update these fields.

    - o Switch Number: *1*

    - o Device ID: *The default is group 2 which can remain if a dedicated message waiting port is not required.*

  Note: This is the group that you assign if this integration requires a dedicated message waiting port. In the example in Section 6.0 on page 9, we suggested it be assigned to group 3. Therefore in our example this parameter should be set to group 3 to indicate the group where you had assigned the MWI channel).

    - o Click **Save**

Merlin Magix

The MWI ON and OFF prefixes for the Intuity shown here must match the LWC Feature Access Codes found in the PBX Feature Access Codes.

You can verify in the PBX by using the PBX Administration command:

display feature-access-codes

- Click on **MWI Parameters**
    o Verify that the **MWI ON** Prefix is set to: ***8** (*The default code is #90. *8 shown above is only an example. You should consult your PBX administrator to ensure this code matches the MWI ON code in the PBX.*)
    o Verify that the **MWI OFF** Prefix is set to: **#8** (*The default code is #91. #8 shown above is only an example. You should consult your PBX administrator to ensure this code matches the MWI OFF code in the PBX.*)
    o Set MWI Update: **y**
    o Log MWI Update: **y**
    o Background Refresh: **y**
    o Click **Save**

- Click **Dial Plan Translation**
    o Add or Update INTUITY Extension Length
    o Define the Switch Network Access Code: *<If required>*
    o Add or update the "Switch Prefix".
    o Enter the valid extension ranges in Switch Start Ext. as **0000** and in Switch End Ext. as **9999**.
    o Leave the INTUITY Prefix field blank.
    o Enter Switch number. This is the same number that is used in the AUDIX subscriber database.
    o Enter **N** in the Remote [Y/N] field.
    o Click **Update**

- Click **Trunk Translation**
    o Enter the Trunk Number *<if required>*
    Note: This is the number passed on as call information by the switch for a DID call.
        o Enter INTUITY Subscriber Number.
        o Click **Update**.

- Click on **Transfer Parameters**
    o Enter the transfer and reconnect codes for this switch. This information is typically gathered from the PBX vendor.
    o Basic Transfer Actions (Blind)

        Allow Transfer: Y/N
        To initiate transfer: fp
        To complete transfer: h
        No tones time out: 7

    o Intelligent Transfer Actions

        Allow Transfer: N

To initiate transfer:
To complete transfer:
No tones time out:

o   To Reconnect to Caller

No Answer:
Busy:

o   Translations for Transfer

Intuity Prefix Required: N
Switch Prefix Required: Y

o   Click **Update**

- **IMPORTANT**: Once all changes are completed, the voice system must then be stopped and restarted.

- **HINT**: When changes to the Interface Parameters and Tones Parameters are completed, the voice system must then be restarted.

7.0 HARDWARE INSTALLATION

☐ Each voice card supports four analog (Tip/Ring) connections. The voice path between the Merlin Magix and the INTUITY AUDIX LX^{TM} requires one pair in each RJ11 connection of the voice card. See to the installation instructions for the hardware connectivity.

Connecting analog voice channels

- To ensure that the ports are physically connected correctly, ask the switch administrator to place calls to each individual INTUITY AUDIX LX^{TM} voice channel, one at a time. Use the **System Monitor** menu in the INTUITY AUDIX LX^{TM} to monitor that the correct channel is dialed from the switch.

7.1 TESTING THE INSTALLATION

☐ Create two mailboxes associated with two test extensions. Record a name and personal greeting for each mailbox.

☐ By using one test extension, call the other test extension. You need to hear the appropriate greeting (see "Test call coverage scenarios" below).

Test call coverage scenarios:

▪ **Forward all calls**: When a subscriber forward all calls to the INTUITY AUDIX LX^{TM} number, calls placed to the subscriber

should follow the correct INTUITY AUDIX LX™ prompt should be played for that subscriber.

▪ **Busy:** Place a call to a busy extension. This call has to follow the right coverage path and INTUITY AUDIX LX™ must play the Busy greeting.

▪ **Ring-no-answer**: Place a call to a station that is ring-no-answer. This call has to follow the right coverage path and INTUITY AUDIX LX™ must play ring-no-answer greeting.

☐ If calls are Non-Integrated, check

▪ That the appropriate COS has been assigned to the Tip/Ring lines.

▪ That the PBX Extn to Channel mapping has been administered properly.

▪ The Switch Integration log to make sure the RAW data is seen for every call and is appropriately parsed and translated.

▪ The maintenance log to verify that an error has been logged indicating Bad data. If yes, then check the switch setup to ensure that the correct mode codes are being passed to INTUITY AUDIX LX™ .

▪ The Dial Plan Translation screen to verify that the translation table has been administered correctly.

☐ For message-waiting indicators, listen to the message left for the test mailbox, delete the message, and verify that message waiting is turned off.

If Message Waiting failures occur, check the following:

▪ That the appropriate COS has been administered on the switch or the subscriber telephone sets.

▪ The Switch Integration Log to verify that INTUITY AUDIX LX™ is dialing out the required sequence of digits. If not, check the DIAL PLAN Translation and make sure that it is administered correctly.

▪ That dial tone is being detected by INTUITY AUDIX LX ™.

▪ That the MWI sequence that is dialed out by INTUITY AUDIX LX ™ is the same as set on the switch. Ask the switch administrator for the MWI sequence. If it is different, then change the **MWI ON Prefix** and **Suffix** to reflect the correct value.

If MWI updates take a long time, then dedicate another channel for MWI (that is, no incoming calls on these lines). Assign a unique Channel Group to the particular channels and administer the Device Assignment screen to this value (the value is 2, as all channels are assigned Group 2).

☐ Test Transfers by using the *T option from the Audix mailbox, transfer to another mailbox. Monitor the transfer time. Transfer to a station that is in a Do-Not-Disturb mode, busy mode, RNA mode.

- The transfer time is approximately from 5 to 8 seconds.

- Test multiple transfers. Set up phone A to transfer to Phone B. Phone B then transfers to phone C, and phone C transfers to phone D. Determine how many transfers can be supported on the switch.

- If Transfer failures are encountered, then check the following:

- That the flash duration that is set on INTUITY AUDIX LX^{TM} is the same as that configured on the switch. If not, then modify the flash duration.

- That the transfer type is set on the change system-parameters feature form.

NOTE: If the caller is disconnected during transfers, then the flash duration is too high and has to be reduced. If the caller hears INTUITY AUDIX LX dialing digits during transfer, then the flash duration is too low and has to be increased.

☐ Call Disconnect. Leave a message for the test mailbox, retrieve the message, and listen for the call progress tones. Place an external call and document the time that it takes the INTUITY AUDIX LX^{TM} to disconnect after the caller hangs up.

- If there is no progress tone in the message, disconnect is working fine.

☐ Zero ("0") Out. Verify that return-to-operator works properly.

☐ Call the INTUITY AUDIX LX^{TM} from a test extension and leave a message for a station with a voice mail button.

- If the subscriber stations are programmed to support a button that will dial the voice mail access number and the mailbox number followed by the # sign, the INTUITY AUDIX LX^{TM} will prompt for the password. The system will play "Please enter your password".

☐ Automated Attendant. Call the automated attendant mailboxes.

- If the correct Auto-Attendant mailbox is not reached and all the previously described tests passed, the most likely problem will be in the switch translations. Check with the system administrator to Ensure proper translation.

☐ Set up outcall notification in the test mailbox and leave a message to generate an outcall. Make sure that the ports are configured for Outcall.

- ▪ INTUITY AUDIX LX^{TM} must call the number administered for outcalling after the administered time has passed.

- ▪ If Outcalling failures occur, check to see if the INTUITY AUDIX LX is detecting the dial tone.

☐ Incoming and Outgoing Fax

- ▪ Send a fax to a subscriber mailbox from a fax machine. Click the **Start** key on the fax machine. Check that the fax arrived in the mailbox and print the fax.

- ▪ Send a fax from a subscriber's mailbox to a fax machine. Check the fax machine to make sure that the fax was received.

NOTE: If you encounter problems while performing these tasks, review the "switch log" before escalating problems to your local Technical Support Center.

8.0 CONSIDERATIONS

Important notes regarding this integration

8.1 **The Legend does not provide consistent disconnect signaling.** As a result, it might be necessary for the INTUITY AUDIX LX to rely upon silence detection to disconnect when callers hang up. Silence detection might take up to 30 seconds to disconnect. Caller prompting and subscriber training are recommended to encourage callers and subscribers to exit the INTUITY AUDIX LX completely when finished.

8.2 **The Legend must be programmed as a hybrid/PBX for integration.** Integration is not currently supported for Merlin Magix systems configured as key systems.

8.3 **With release 1 software, stations on the Legend cannot all-calls forward to the pilot number of a calling group (hunt group).** The do-not-disturb feature on the Merlin Magix is suggested as an alternative. This feature when activated at a station will suppress the ringing of incoming external calls. External calls will then follow any call coverage programmed for that station. Internal callers will receive busy tone when dialing a station in do-not-disturb and will not follow call coverage programming. Release 2 software will allow all-calls forwarding to the voice-processing module.

8.4 **The minimum mailbox length is 3-digits. Therefore, the Merlin Magix must be configured with 3- or 4-digit extensions for integration.** (The range of extension lengths on the Legend is 1 to 4.)

8.5 **Analog 016TRR cards that are** application 18 or older may experience intermittent loss of dial-tone and/or the inability to

recognize loop current. Analog 016TRR application 19 or higher cards eliminate this problem.

8.6 **When using analog 016 TRR cards the IA LX will not reboot** unless dial tone is removed to IA LX Dialogic board. For this reason we require a minimum release of 016TRR cards. Please refer to Section 3.0.

CHANGE HISTORY		
Revision	Issue Date	Reason for Change
DRAFT 0.1	4/15/02	Initial release for review/validation
Released	5/5/02	Revision A
Version B	8/22/02	Section 5.0 setting up in-band integration.
Version C	5/12/03	Removed DRAFT verbiage page 1
Version D	10/16/03	Add consideration regarding 016TRR Boards
Version E	08/22/06	Added consideration 8.6 and updated Section 3.0 with new min. requirement for analog cards
Version F	03/08	Noted support for IALX 2.0 in section 2.0. Made changes to accommodate new administration screens in Section 6.0 for IALX 2.0

AVAYA Inc.

1033 Murphy Blvd.,

Milpitas, CA 95035

(408) 577-7000

http://www.avaya.com