

# Switch Integration Planning

# 2

---

## Overview

---

Before you integrate the Intuity AUDIX system with a switch, you must plan the process. This chapter provides the following information and worksheets to help you plan and record the integration.

### Information:

- Voice port information
- Local and remote switch hunt group information
- Call coverage assignments
- Hop channel assignments

### Worksheets:

- [“Voice Port Station Information” on page 2-3](#)
- [“Voice Port Extensions and Names” on page 2-5](#)
- [“Assign the Hunt Group” on page 2-8](#)
- [“Assign the Call Coverage Path for Subscribers” on page 2-11](#)
- [“Host ISDN TSC Gateway Channel Assignment” on page 2-13](#)

### NOTE:

For installations outside of the United States and Canada the planning process should include a check of the default settings for country parameter administration for your location. These settings are listed in [Appendix B, “Country-Specific Parameter Administration”](#).

## **Purpose**

---

This chapter provides the worksheets and planning information you must complete in advance of the installation of the Intuity AUDIX system to ensure a successful switch integration.

## Worksheet A: Voice Port Station Information

Complete the information on this worksheet to collect information required to administer the Intuity AUDIX system voice ports on the switch.

Date:	
Prepared By:	
Contact Telephone Number:	

Field	Recommended	Your Entry
<p><b>User-Defined Adjunct Names (G3r and R5/6r only)</b></p> <p>Enter the name you plan to use for the Intuity AUDIX system on the User Defined Adjunct Names form. You can enter a maximum of seven characters.</p>		
<b>Extension</b>	Complete <a href="#">Worksheet B</a>	
<b>Type</b>	<b>VMI</b>	
<b>Port</b>	Complete <a href="#">Worksheet B</a>	
<b>Name</b>	Complete <a href="#">Worksheet B</a>	
<b>Lock Messages</b>	<b>n</b>	
<b>Coverage Path</b>	Leave blank	Leave blank
<p><b>Class of Restriction (COR)</b></p> <p>To prevent toll fraud, Avaya, Inc. recommends that you create a COR for voice ports that allows subscribers to call only other numbers with the same COR. If you later decide that subscribers need to call numbers with different CORs, add permissions for the other CORs one at a time. The AMIS Analog Networking, Message Delivery, and Outcalling features require the ability to call numbers with different CORs.</p>		

Field	Recommended	Your Entry
<b>Class of Service (COS)</b> Create a COS for the voice ports that permits the Data Privacy feature. Avaya, Inc. recommends that you do not enable any other features on the COS.		
<b>Tests</b>	n	
<b>LWC Reception</b>	All switches: <b>NONE</b>	
<b>Headset (System 75 and DEFINITY G1 only)</b>	n	
<b>LWC Activation</b>	n	
<b>SMDR (CDR) Privacy (not available on System 75 or G1)</b>	n	
<b>Redirect Notification</b>	n	
<b>Off-Premise Station</b>	n	
<b>Coverage Message Retrieval</b>	n	
<b>Auto Answer</b>	n	
<b>Data Restriction</b>	n	
<b>Call Waiting Indication</b>	n	
<b>Att. Call Waiting Indication (not available on System 75 or G1)</b>	n	
<b>Distinctive Audible Alert</b>	n	
<b>Message Waiting Indicator</b>	Leave blank	Leave blank
<b>Adjunct Supervision (G3i/s only)</b>	y	
<b>R Balance Network (not available on System 75 or G1)</b>	n	
<b>Switchhook Flash</b>	y	
<b>Message Server Name (G3r only)</b>	Leave blank	Leave blank
<b>Audible Message Waiting (G3r only)</b>	n	

## **Worksheet B: Voice Port Extensions and Names**

---

Enter the location, name, and extension for each of the purchased (maximum of 64) voice ports in the following worksheet.

Date:	
Prepared By:	
Contact Telephone Number:	

<b>Intuity AUDIX Port</b>	<b>Analog Port Equipment Location<sup>1</sup></b>	<b>Name<sup>2</sup></b>	<b>Extension</b>
1		AUDIX 1	
2		AUDIX 2	
3		AUDIX 3	
4		AUDIX 4	
5		AUDIX 5	
6		AUDIX 6	
7		AUDIX 7	
8		AUDIX 8	
9		AUDIX 9	
10		AUDIX 10	
11		AUDIX 11	
12		AUDIX 12	
13		AUDIX 13	
14		AUDIX 14	
15		AUDIX 15	
16		AUDIX 16	
17		AUDIX 17	
18		AUDIX 18	
19		AUDIX 19	
20		AUDIX 20	

<b>Intuity AUDIX Port</b>	<b>Analog Port Equipment Location<sup>1</sup></b>	<b>Name<sup>2</sup></b>	<b>Extension</b>
21		AUDIX 21	
22		AUDIX 22	
23		AUDIX 23	
24		AUDIX 24	
25		AUDIX 25	
26		AUDIX 26	
27		AUDIX 27	
28		AUDIX 28	
29		AUDIX 29	
30		AUDIX 30	
31		AUDIX 31	
32		AUDIX 32	
33		AUDIX 33	
34		AUDIX 34	
35		AUDIX 35	
36		AUDIX 36	
37		AUDIX 37	
38		AUDIX 38	
39		AUDIX 39	
40		AUDIX 40	
41		AUDIX 41	
42		AUDIX 42	
43		AUDIX 43	
44		AUDIX 44	
45		AUDIX 45	
46		AUDIX 46	
47		AUDIX 47	
48		AUDIX 48	
49		AUDIX 49	

*Continued on next page*

<b>Intuity AUDIX Port</b>	<b>Analog Port Equipment Location<sup>1</sup></b>	<b>Name<sup>2</sup></b>	<b>Extension</b>
<b>50</b>		AUDIX 50	
<b>51</b>		AUDIX 51	
<b>52</b>		AUDIX 52	
<b>53</b>		AUDIX 53	
<b>54</b>		AUDIX 54	
<b>55</b>		AUDIX 55	
<b>56</b>		AUDIX 56	
<b>57</b>		AUDIX 57	
<b>58</b>		AUDIX 58	
<b>59</b>		AUDIX 59	
<b>60</b>		AUDIX 60	
<b>61</b>		AUDIX 61	
<b>62</b>		AUDIX 62	
<b>63</b>		AUDIX 63	
<b>64</b>		AUDIX 64	

- 
- For System 75, the equipment location is a 5-character identifier; the first character identifies the carrier, the second and third characters identify the slot number, and the fourth and fifth characters identify the port number. For example, a valid location for System 75 is B0701: carrier B, slot 07, and port 01. For all other switches, an additional 1 or 2 digits are added to the carrier, slot, and port location to identify the cabinet. For example, the location, 02B0701, specifies cabinet 02, carrier B, slot 07, port 01
  - These are the recommended names.
-

## Worksheet C: Assign the Hunt Group

The following information is required to define a hunt group (containing the voice port members) for the Intuity AUDIX system voice ports.

**⇒ NOTE:**

Only the number of ports actually purchased should be administered in the hunt group.

Date:	
Prepared By:	
Contact Telephone Number:	

Field	Recommended	Your Entry
<p><b>Group Number</b></p> <p>Enter the number you want to use to identify the Intuity AUDIX hunt group. This number, preceded by the letter "h", is entered in the voice port Coverage Path form and in subscriber coverage paths.</p>		
<p><b>Group Extension</b></p> <p>Enter the extension number you want subscribers to dial to retrieve their messages from the Intuity AUDIX system.</p>		
<p><b>Group Type</b></p>	<b>ucd</b>	
<p><b>Group Name</b></p> <p>Enter the name you want to appear on display sets when subscribers call the Intuity AUDIX system. You must include the word "AUDIX" in the name for G3-MA to recognize the name as a Intuity AUDIX group.</p>		
<p><b>Message Center</b></p>	<b>NONE</b>	
<p><b>ACD</b></p>	<b>n</b>	
<p><b>Queue</b></p>	<b>y</b>	

*Continued on next page*

Field	Recommended	Your Entry
<p><b>Night Service Destination</b></p> <p><b>Vector (y/n)?</b></p> <p>The Intuity AUDIX hunt group may be vector-controlled if call vectoring is a feature on the switch.</p>	Leave blank	Leave blank
<p><b>Security Code</b></p>	Leave blank	Leave blank
<p><b>Coverage Path</b></p>	Leave blank	Leave blank
<p><b>COR</b></p> <p>Enter the Class of Restriction (COR) you want assigned to the extension that subscribers will call to reach the Intuity AUDIX system. For security reasons, assign AUDIX and Lodging hunt groups their own CORs that have been restricted from accessing all outgoing trunks or only those trunks needed for Outcalling or AMIS Analog Networking. The default COR is <i>not</i> recommended.</p>		
<p><b>ISDN Call Disp (not available on System 75 and G1)</b></p> <p>If ISDN-PRI is enabled, enter <b>grp-name</b> or <b>mbr-name</b> to specify whether the hunt group name or number is sent to the originating subscriber.</p>		
<p><b>AUDIX Extension (System 75 R1V3 only)</b></p> <p><i>This field appears only on a remote switch in a DCS network when message center is active.</i></p> <p>The field refers to the host switch Intuity AUDIX extension number. This is the number remote Intuity AUDIX subscribers will dial to access the hunt group. Normally this field is left blank for the Intuity AUDIX system.</p>		
<p><b>Queue Length</b></p> <p>A suggested length is the number of configured Intuity AUDIX voice ports.</p>		

Field	Recommended	Your Entry
<b>Calls Warning Threshold</b>	Leave blank	Leave blank
<b>Calls Warning Port</b>	Leave blank	Leave blank
<b>Time Warning Threshold</b>	Leave blank	Leave blank
<b>Time Warning Port</b>	Leave blank	Leave blank
<b>First Announcement Extension (n/a for G3r)</b>  If you want a switch-recorded announcement, enter the extension number here.		
<b>First Announcement Delay (sec) (n/a for G3r)</b>  This entry is optional if the queue is y and must be blank if there is no first announcement.		

---

## Worksheet D: Assign the Call Coverage Path for Subscribers

Complete this worksheet to define call coverage paths for subscribers.

Date:	
Prepared By:	
Contact Telephone Number:	

Field	Recommended	Your Entry
<b>Coverage Path Number</b> Enter the number you want to identify the call coverage path for subscribers.		
<b>Next Path Number</b> If desired, enter the second path to which calls will be directed if the current path fails.		
<b>Coverage Criteria</b>		
<b>Station/Group Status Active? (Inside Call/Outside Call)</b>	y/y	
<b>Busy? (Inside Call/Outside Call)</b>	y/y	
<b>Don't Answer? (Inside Call/Outside Call)</b>	y/y	
<b>All? (Inside Call/Outside Call)</b>	n/n	
<b>SAC/Go to Cover? (Inside Call/Outside Call)</b>	y/y	
<b>Number of rings</b> Enter the number of rings (1–99) you want before a call goes to coverage.	3	
<b>Coverage Points</b> For Point1, Point2, or Point3, enter h followed by the Intuity AUDIX hunt group number.		

You have completed the worksheets and planning necessary for a Intuity AUDIX system switch integration. If you do not have a DCS environment, continue with the administration chapter for your switch. If you are placing a Intuity AUDIX system in a DCS network, continue with [“DCS Worksheets”](#) below.

## **DCS Worksheets**

---

Complete worksheets G through P if the Intuity AUDIX system operates in a DCS environment. If you have an existing DCS network or if you are installing one, the BCS Design Center may have designed the DCS network for the Intuity AUDIX system. The worksheets in this section contain the same information the Design Center may have already created. Use these worksheets to verify that you have all required information and as a single point of reference.

If the DCS network uses ISDN signaling, complete the following worksheet:

- [Worksheet E](#)

For each remote switch in the DCS network, complete one set of DCS worksheets. Before you complete the worksheets, remove the blank worksheets from this book and make copies for each switch in the network.

## Worksheet E: Host ISDN TSC Gateway Channel Assignment

Complete the information on this worksheet to plan the channel assignments for a DCS/ISDN TSC Gateway.

Date:	
Prepared By:	
Contact Telephone Number:	

Field	Recommended	Your Entry
<b>Sig Group</b> Enter the group number.		
<b>Adm'd NCA TSC Index</b> Enter the TSC Index chosen.		
<b>Processor Channel</b> Enter the processor channel chosen.		
<b>Application</b>	<b>AUDIX</b>	