# SIEMENS

# **Siemens SiPass Driver**

# **Start-up Procedures**

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# Introduction

This document contains start-up information for the Siemens SiPass Driver. The following topics are discussed:

- Prerequisites
- Configuring the SiPass System
- Setting Up the Siemens SiPass Driver
- Adding Custom Applications
- Establishing Communications with the SiPass System
- Commissioning the System
- Appendix A Importing Applications Using the Buffalo Grove TEC Applications Drive and CommTool
- Appendix B Adding Applications Using the MMI or MMI/MODEM Port and the Insight Workstation
- Appendix C Adding Applications Using the MMI or MMI/MODEM Port and CommTool

# **Prerequisites**



You should have a working knowledge of the APOGEE Automation System.

Make sure all the items in the following checklist are completed before proceeding.

- □ You are familiar with the SiPass system and the specific devices to be integrated.
- □ You have all wiring and installation complete, as specified in the *Siemens SiPass Driver Installation Instructions* (565-884).
- □ You have obtained the following information from the SiPass representative:
  - Addresses for each of the devices
  - Passwords
  - Communication parameters
- □ You have confirmed that the SiPass representative has performed the checkout on its system, all devices are communicating with the ACCs, and ACCs are communicating with the SiPass server.

□ You are familiar with the application concepts for this driver, as described in the *Siemens SiPass Driver Technical Reference* on InfoLink.

# **Configuring the SiPass System**

## **Enabling Siemens SiPass Driver Communications in the SiPass Software**

In order to communicate with the Siemens SiPass Driver, the SiPass server must be configured with the appropriate settings.

1. On the SiPass graphical user interface (GUI), click the **Components** button on the **System** toolbar. The **Components** window with the **Component Definition** pane displays.

Figure 1. Components Window.

- 2. Under **Servers**, select the server to which the Siemens SiPass Driver is connected. The **Operational** pane for the selected server displays.
- 3. Click the **New Bus** button and select **Open Processor** from the displayed menu. The **Open Processor Gateway** pane displays.

Components			
Component Definition:	Open Processor Gateway		
Serves GIPASS ⊕ ACC Controllers ↓ ↓ ACK Controllers	Gateway Identification Bus Name: Alarm Class:	×	
Components Points		New Unit Save Delete	

Figure 2. Open Processor Gateway Pane.

4. In the **Bus Name** field, enter a logical name for the bus.



The **Bus Name** is not used in other areas during configuration of the SiPass system.

- 5. Click the **Save** button. The bus added to the Component Definition pane displays.
- 6. Click the New Unit button. The Open Processor pane displays.

omponent Definition:	Open Processor
Servers SI-PASS SI-PASS ACC Controllers APDGEE Automation System Integration APDGEE Automation System Integration Compared Application	Unit Identification Unit Name: Alarm Definitions: Unit No.: Disable Communications
	⊂ Communications Parameters
	Baud Rate:
	Port:

Figure 3. Open Processor Pane (New Unit).

7. In the Unit Name field, enter a logical name for the SiPass Driver unit.



The Unit Name is not used in other areas during configuration of the SiPass system.

- 8. In the **Baud Rate** list, select the baud rate (typically 19200) for the server COM port assigned to the Siemens SiPass Driver.
- 9. In the **Port** list, select the server COM port assigned to the Siemens SiPass Driver.
- 10. Click the **Save** button. The Siemens SiPass driver unit is added to the Component Definition pane displays.

Components		
Component Definition:	Open Processor Unit Identification	5iPass Driver
SPass Driver	Alarm Definitions: Unit No.:	Image: Disable Communications
	Communications Parameters	ers
	<u>P</u> ort:	19200 V COM1 V
<u>Components</u> <u>Points</u>		New Point Save Delete Close

Figure 4. Open Processor Pane (Saved Unit).

## **Configuring SiPass Notification Zones (if used)**

In order for the APOGEE Automation System to receive Notification Zone updates (see *SiPass Driver Technical Reference* for information on Notification Zones), the SiPass system must be configured to enable this function.



Notification Zones may only be assigned to cardholders in the SiPass system.

Perform the following procedures to enable the APOGEE Automation System to receive Notification Zone updates from the SiPass system:

- 1. Defining the Notification Zone Points
- 2. Assigning Notification Zone Points to Cardholders

#### **Defining the Notification Zone Points**

Follow this procedure to define Notification Zone points.

1. On the SiPass graphical user interface (GUI), click the **Components** button on the **System** toolbar. The **Components** window with the **Component Definition** pane displays.

Components	
Component Definition:	Blank
I III III IIII IIII IIII IIIIIIIIIIII	
	Select an item in tree control to display
Lomponents Points	<u>Clear</u> <u>Save</u> <u>Delete</u>

Figure 5. Components Window.

2. Under **Servers**, expand items until the Open Processor driver is displayed, then click the Siemens SiPass Driver's unit name (as defined in the *Enabling Siemens SiPass Driver Communications in the SiPass Software* procedure) to select it. The **Open Processor** pane displays.

Components		
Component Definition:	Open Processor	
Servers SI-PASS ACC Controllers APDGEE Automation System Integration SiPass Driver	Unit Identification Unit Name: Alarm Definitions: Unit No.:	SiPass Driver
	Communications Paramet	ters
	<u>B</u> aud Rate:	19200
	Port:	COM1
Components Points		New Point Save Delete Close

Figure 6. Open Processor Pane.

3. Click the **New Point** button. The **Notification Zone** pane displays.

Components		
Component Definition: Servers SI-PASS ACC Controllers SPass Driver SPass Driver CNew Item>	Notification Zone          Point         Lype:       Notification Zone         Location:       I         Point No.:       1	
	New Point Save	

Figure 7. Notification Zone Pane.

4. In the Location field, enter a logical name for the Notification Zone location.



The Location is not used in other areas during configuration of the SiPass system.

- 5. In the **Point No** box, enter the Notification Zone number to be used by the APOGEE Automation System for this Notification Zone point.
- 6. Click Save. The Notification Zone point is added to the Component Definition pane.

Components		X
Component Definition:	Notification Zone       Point       Iype:     Notification Zone       Location:     Building 100	
	Point No.: 1	
<u>Components</u>	New Point Delete	Close

Figure 8. Notification Zone Pane.

7. Repeat this procedure to define all remaining Notification Zone points.

#### **Assigning Notification Zone Points to Cardholders**

Follow this procedure to assign Notification Zone points to a cardholder in the Siemens SiPass system.

1. On the SiPass graphical user interface (GUI), click the **Cardholder** button on the **Program** toolbar. The **Cardholder** window with the **Definition** pane displays.

Cardholder	
Definition Persona	al Vehicle Imaging Tracking Control
Cardholder Identi	fication - Final Obina
Card Number	Employee Number Search
Last Name	First Name
2nd Card No.	2nd Pin Number
Workgroup Id	Define Work Group     New <pre></pre>
Access Control	
	Define Access Privileges         Undo Privileges Changes         Personalized Access
Pin Number	Card Status Valid Void Card Visitor Pin Error Disabled
Start Date	1/ 5/2005 💽 End Date 🔲 1/ 5/2005 💽 🔄 Isolation 💭 Accessibility 💭 Re-Entry Exclusion
General Data	Read Card     Assign Card     Read & Search     Save     Delete     Delete

Figure 9. Cardholder Window (New).

- 2. Perform the following steps to search for the cardholder record to assign Notification Zone points:
  - a. To limit the number of cardholders displayed during the search, enter information in the Card Number, Employee Number, Last Name, or First Name fields. Otherwise, leave these fields blank to display all cardholders.
  - b. Click the Search button. The Cardholder Records window with a listing of cardholders displays.

ast Name	First Name	Card Number	Employee Number
Smith	John	54890	
ardholder(s) in the l	ist.		

Figure 10. Cardholder Records Window.

3. Select the cardholder to assign to the Notification Zone and click **OK**. The cardholder's record displays in the Cardholder window.

Cardholder				X
Definition Persona	I Vehicle Imaging Tracking (	Control		
Cardholder Identi	fication			- Find String
Card Number	54890	Employee Number	030291	Search
Last Name	Smith	First Name	John	<u>Match</u>
2nd Card No.		2nd Pin Number		
Workgroup Id	Facility Code 0	*	Define <u>W</u> ork Group	N <u>e</u> w < <u>P</u> revious
Access Control				
				Define Access Privileges Undo Privileges Changes Personalized Access
Pin Number	907314 Card Status	: Valid	Void Card	Visitor Pin Error Disabled
Start Date	1/ 5/2005 💉 End Date	1/ 5/2005	Isolation	Accessi <u>b</u> ility Re-Entry Exclusion
General Data	Read Card Assi	gn Card Reac	& Search	Save Delete Close
Last Name: Smith	First Name: John	Ca	rd No: 54890	Updated: 1/5/2005 10:25 AM

Figure 11. Cardholder Window (Existing).

4. Click the **Control** tab. The **Control** pane displays.

Cardholder			
Definition Personal Vehicle Imaging	Tracking Control		
Configuration			
	<u>O</u> utput	<mark>.</mark> ▼ _ime	
		Always (point unsecure) Invalid Time Period Never (point always secure) System Function (non busy	intervals) <u>Add</u> <u>R</u> emove
Output <u>C</u> ontrol			
Filter Options			Save Close
Last Name: Smith First M	Jame: John	Card No: 54890	Updated: 1/5/2005 10:25 AM

Figure 12. Control Pane.

- 5. Perform the following steps to assign Notification Zone points to the cardholder:
  - a. In the Access list, select Access Point (or Access Point Group). A listing of access devices (or groups) displays in the corresponding list box.
  - b. In the access list box, select the device (or group) being assigned to the Notification Zone point.
  - c. In the **Output** list, select **Notification Zone** (or **Notification Zone Group**). A listing of Notification Zone points (or groups) displays in the corresponding list box.
  - d. In the output list box, select the appropriate Notification Zone point (or group) (as defined in the *Defining the Notification Zone Points* procedure).
  - e. In the Time list box, select the specified time period to assign for Notification Zone access.



In order to limit unnecessary data traffic, the time setting used for Notification Zones is typically an off-hours period. It may be necessary to configure a custom time period in the SiPass system for use with Notification Zones.

f. Click the Add button. The assigned Notification Zone point is added to the Output Control list.

Cardholder			
Definition         Personal         Vehicle         Im           Configuration	aging Tracking Control Qutput Notification Zone Building 100	Iime Always (point unsecure) Invalid Time Period Never (point always secure System Function (non busy	) intervals) <u>Add</u> <u>R</u> emove
Filter Options	Reader (Building 100 rges	Always (point unsecure)	Save Close
Last Name: Smith	First Name: John	Card No: 54890	Updated: 1/5/2005 10:25 AM

Figure 13. Control Pane.

- g. Repeat these steps to assign remaining Notification Zone points.
- 6. Click the **Save** button. The cardholder record is saved with the added Notification Zone assignments.

## **Configuring Host Event Tasks**

In order for the APOGEE Automation System to control host event tasks (see *Siemens SiPass Driver Technical Reference* for more information on host event tasks), the SiPass system must be configured to enable this function.

1. On the SiPass graphical user interface (GUI), click the **Host Event Task** button on the **System** toolbar. The **Host Event Task** window displays.

Host Event Task					
Event <u>N</u> ame:				✓	N <u>e</u> w
Time <u>S</u> chedule:				~	Сору
Trigger					
Source <u>1</u> :	<b>~</b>	State <u>1</u> :			~
Location <u>1</u> :	<b>~</b>		Additional Criteria		
Source <u>2</u> :	×				
Location <u>2</u> :	✓				
Effect					
Target:	×	Location:			~
C <u>o</u> mmand:	~				
Da <u>t</u> a:					
<u>M</u> essage:					
			Save	Delete	Close
			2010		<u></u>

Figure 14. Host Event Task Window.

- 2. In the Event Name list, enter a host event name that describes what the event does.
- 3. In the **Time Schedule** list, select the time period during which the host event may be triggered.
- 4. In the Source1 list, select APOGEE Control.
- 5. In the **Trig ID** box, enter the host event number to be used by the APOGEE Automation System for this event. (For example, if you are defining Event 1, enter "1" in this box.)
- 6. In the Target list, select the target that the host event will affect.
- 7. In the Location list, select the name of the object that the host event will affect.
- 8. In the **Command** list, select the command that will be performed on the target item when the host event occurs.
- 9. In the Data box, specify the data string for the command (if required).
- 10. In the **Message** box, enter the message you wish to see in the SiPass Audit Trail when the host event occurs.
- 11. Click the **Save** button. The host event task is saved.



The APOGEE Automation System can initiate Host Events, but cannot reverse the action of the Host Event. In order to use the APOGEE Automation System to reverse the action of a Host Event, it is necessary to create another Host Event containing the commands for the reverse action.

# Setting Up the Siemens SiPass Driver

Perform the General Start-up Tasks. Then perform Setting the FLN Communication Speed and Verifying the Setup Information.

## **General Start-up Tasks**

The general start-up tasks are described in the field panel documentation and training classes. If you need more information about the general start-up tasks, see the *Field Panel Start-up Procedures*.

## Setting the FLN Communication Speed

(System / Hardware / Fieldpanels / Config / Fln).

A sample MMI session follows.



- 1. Press 1 for FLN 1, and then press ENTER.
- 2. Enter the FLN communication speed (typically 19200), and then press ENTER.

## Verifying the Setup Information

(System / Hardware / Fieldpanels / Display).

A sample MMI session follows.

	🎭 Hyperterminal - HyperTerminal	_ 🗆 🗙
	<u>File Edit ⊻iew Call Transfer H</u> elp	
	<pre>&gt;Point, Application, Time, Message, Cancel, System, Bye? s &gt;Diagnostics, Users, dAtes, deStinations, Error_msgs, Hardware, Text, Quit? &gt;Fieldpanels, Disks, Partners, Quit? f &gt;Log, Display, Add, dElete, Modify, Config, Ostracize, Quit? d</pre>	h
017B1	>Here, Printer : <u>H</u>	
GWSC	Connected 0:07:54 VT100 9600 8-N-1 SCROLL CAPS NUM Capture Print echo	

- 1. Select where to display the report:
  - To display the report at the operator terminal, type H to select Here.
  - To display the report at the report printer, type **P** to select Printer.
- 2. When prompted for the field panel (cabinet) number, press **ENTER**. The system displays the configuration.

# **Adding Custom Applications**



If points will be manually added to the database, it is not necessary to add any applications.

The driver contains a standard application file, but supports the addition of custom applications. If a custom application file (.ISB) has been provided, it must be loaded into the driver hardware. To load this file, perform the following steps:

- 1. In CommTool, Version 4.7 or later, open FLT.
- 2. Connect to the MMI/MODEM port of the driver hardware.
- 3. Click the Settings tab. Adjust the communication speed, etc. as needed to establish communications.
- 4. Click the **Integrated Systems** tab. The Firmware Loading Tool dialog box displays.

🟪 Firmware Loading Tool	
Firmware Integrated Systems Settings	
Controller Revision: <unknown> Hardware: <unknown></unknown></unknown>	
Integrated Systems Binary File Path: ISB for Driver:	<u>B</u> rowse Load
Driver	<u>U</u> pload
I Retain <u>D</u> atabase	

- 5. Click Identify. The name of the driver and its revision is listed in the Revision field.
- 6. Click **Browse** and locate the application (.ISB) file to be loaded.



The .ISB file must be compatible with the revision listed in the **Revision** field.

- 7. Click **Load**. The application file is loaded into Flash memory. This is an automatic load. Several messages appear to indicate what processing step is taking place. Wait for the **Database Load Complete** message to display.
- 8. Click **OK** to accept the database load.

# Establishing Communications with the SiPass System

# **Adding Applications**

To add an application, use one of the following four methods. The methods are listed in order of preference with the preferred method listed first; however, you can use any of the available methods. The method you choose may depend on the tools you have available.



At this time, it is recommended that you DO NOT enter duplicate copies of the applications for the additional devices. After an application type is defined, it appears in System Profile. In the *Adding Remaining Devices* section, you use System Profile to add duplicate application instances.

#### Method 1 - Auto-detecting the Applications

The SiPass Driver can automatically detect the SiPass equipment defined in the SiPass server database, and add the standard applications corresponding to this equipment. Operation of this feature is controlled by the AUTOTEC point in the driver (see *Diagnostic Points* in the *SiPass Driver Technical Reference*). After communication is established with the SiPass server, command the AUTOTEC point to the appropriate value(s), then upload the applications to the Insight workstation or CommTool.

#### Method 2 - Using the TEC Applications Drive

Import the applications from the Buffalo Grove **TEC Applications Drive** into CommTool, and then download the applications to the driver. See *Appendix A - Importing Applications Using the Buffalo Grove TEC Applications Drive and CommTool* for the steps.

#### Method 3 - Using the MMI or MMI/MODEM Port and the Insight<sup>®</sup> Workstation

Add the applications using the MMI or MMI/MODEM port, and then upload the applications to the Insight workstation. See *Appendix B* - *Adding Applications Using the MMI or MMI/MODEM Port and the Insight Workstation* for the steps.

#### Method 4 - Using the MMI or MMI/MODEM Port and CommTool

Add the applications using the MMI or MMI/MODEM port, and then upload the applications to CommTool. See *Appendix C* - *Adding Applications Using the MMI or MMI/MODEM Port and CommTool* for the steps.

## Adding the Required Points and Devices

It is recommended to start up the driver with a minimum database (required points only) to establish communications. This will assist in pinpointing the source of start-up problems. Once communication has been established, the remainder of the database can be added.

Rev. No.		Required Points and Devices		
All	To see the TX and RX LEDs flashing	There are no points <i>required</i> to establish communication between the driver and the SiPass system.		
		The Siemens SiPass Driver must be made ready.		
		<b>NOTE:</b> If adding points and applications online at the MMI port, the Siemens SiPass Driver must manually be made ready. See <i>Making the Siemens SiPass Driver Ready</i> section. If downloading from the Insight workstation or CommTool, this occurs automatically.		
	To monitor and command points	The APOGEE point for the specific SiPass I/O point to be monitored or commanded. The point can be manually or auto-unbundled.		
	Although not required, it is <i>recommended</i> that these points be added	<ul> <li>Per driver, add the following points:</li> <li>Ready Point - FLN 253, Drop 31, Point 1</li> <li>Communications Failure (COMFAL) - FLN 253, Drop 31, Point 2</li> </ul>		

Table 1. Required Points and Devices.



For more information about these points, see the *Siemens SiPass Driver Technical Reference* on InfoLink.

## Making the Siemens SiPass Driver Ready

(System / Hardware / Fieldpanels / Modify / Makeready).

A sample MMI session follows.

	👒 Hyperterminal - HyperTerminal	_ 🗆 🗙
	<u>File E</u> dit <u>V</u> iew <u>C</u> all <u>T</u> ransfer <u>H</u> elp	
0013R1	<pre>&gt;Point, Application, Time, Message, Cancel, System, Bye? s &gt;Diagnostics, Users, dAtes, deStinations, Error_msgs, Hardware, Text, Quit? } &gt;Fieldpanels, Disks, Partners, Quit? f &gt;Log, Display, Add, dElete, Modify, Config, Ostracize, Quit? m &gt;Makeready, Offline, oNline, normTimeout, eXtendtimeout, Quit? m &gt;Field panel :</pre>	h
200	Connected 0:04:08 VT100 9600 8-N-1 SCROLL CAPS NUM Capture Print echo	1.

> Enter the field panel (cabinet) number, and then press ENTER.

## **Checking Communications**

To check communications, perform the following steps:

- 1. Verify that the STATUS LED on the front of the driver hardware is blinking approximately once a second. If not, the driver is malfunctioning.
- 2. Verify that the Power LEDs on the Trunk Interface II are lit.
- 3. Verify that the FLN 1 TX and RX LEDs on the driver hardware and the RX on the Trunk Interface II all flash together while the driver transmits data. Also, verify that the RX LED on the driver hardware and the TX LED on the Trunk Interface II flash together while the driver receives data from the SiPass system. This sequence repeats in approximately 10 seconds.
- 4. Perform a Point Log and verify that points contain the expected values.

If individual SiPass devices are communicating with the driver, the COMMUNICATION STATUS (Point 99) for each device should appear as OFF and NORMAL (-N-) status.

## **Adding Remaining Devices**

Once communications have been verified, add the remainder of the points required for additional devices. If using applications to map points, add the remainder of the devices by allowing the driver to auto-discover them and uploading the applications to Insight, or by adding TECs in System Profile and choosing the correct application number from the list in the **Add TEC** dialog box.

# **Commissioning the System**

Consult as needed with the SiPass representative and the building engineer to make sure that the driver is providing accurate information and is performing the intended functions. In particular, verify that:

- The driver database is loaded.
- All lines of PPCL execute as intended.
- All LAO and LDO points commanded at the driver are confirmed at the SiPass system.
- Values read for LAI and LDI points commanded at the SiPass system are confirmed at the driver.
- · Alarmable points correctly transmit alarm information.
- Any other functions that the driver is to perform are carried out as intended.

If any of the tests do not check out, see the *Troubleshooting Procedures* in the *Field Panels* section of the *APOGEE Automation Service Procedures* on InfoLink.

# Appendix A - Importing Applications Using the Buffalo Grove TEC Applications Drive and CommTool

Requirements needed to perform the steps in Appendix A

- Access to the corporate network.
- CommTool Version 4.6 or later.

Using the Buffalo Grove TEC applications feature in CommTool, you can import the Integrated Systems applications from the Home Office TECAPPS Drive.

## **Importing Applications**

1. Click Start, and then click Programs, Commissioning Tool, Buffalo Grove TEC Applications. The Import Buffalo Grove TEC Applications to Local TECApps Database dialog box displays.

10000 J233 10002 J233 2486 VZ1b 2520 VZ1b 4000 BN30 4001 BN30 4002 BN30 4003 BN30 4010 BN30 4011 BN30 4011 BN30 4012 BN30 4015 BN30 4015 BN30 4015 BN30 4017 BN30 4017 BN30 4018 BN30 4019 BN30	4020 BN30 4021 BN30 4022 BN30 4024 BN30 4026 BN30 4026 BN30 4026 BN30 4027 BN30 4028 BN30 4029 BN30 4030 BN30 4030 BN30 4031 BN30 4033 BN30 4034 BN30 4038 BN30 4038 BN30 4038 BN30 4039 BN30 4039 BN30 4098 BN30	4102 BN30 4103 BN30 4104 BN30 4105 BN30 4106 BN30 4107 BN30 4108 BN30 4109 BN30 4110 BN30 4111 BN30 4111 BN30 4111 BN30 4114 BN30 4115 BN30 4116 BN30 4117 BN30 4117 BN30 4118 BN30 5600 J230 5600 J232	5600         J233           5601         J221           5602         J221           5603         J221           5604         J221           5605         J221           5642         J221           5650         J210           5701         J221           5702         J221           5703         J221           5704         J220           5705         J230           5706         J230           5707         J230           5708         J230           5709         J230	5751 J221 5752 J221 5753 J221 5800 J232 5801 J221 5802 J221 5802 J221 5840 HT30 5841 HT30 5843 HT30 5843 HT30	
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- 2. From the drop-down menu, select **Integrated System Applications**. The **Integrated Systems Applications** list displays.
- 3. Select the application or applications, and then click Import.
- 4. If the **TEC Application Overwrite** dialog box displays, click **Yes** to accept and overwrite the files.

# Appendix B - Adding Applications Using the MMI or MMI/MODEM Port and the Insight Workstation

#### Requirement needed to perform the steps in Appendix B

• Insight software Revision 3.5 or later.

When defining the system profile at the job site or without access to the corporate network, use the MMI port and the Insight workstation to add the applications. Uploading to the Insight workstation requires fewer steps than uploading to CommTool because the Insight workstation automatically "learns" the application when it is uploaded.

The first time you attempt to assign an application for the driver using the Insight workstation, the application numbers used by the driver most likely will NOT appear in the list of TEC applications. The following steps describe how to import the application into the Insight workstation.



If the needed application numbers already appear in the Insight workstation's list of TEC applications, you do not need to do the following procedure. The Insight workstation has already imported these applications.



If any applications for the driver are displayed on System Profile as Application 65535 or as Application 5000, you must delete these TECs from the Insight workstation. Then, coldstart the driver before proceeding.



### CAUTION:

Attempts to add the applications using the Insight workstation via any method other than what is described in the following steps is likely to cause unexpected results.

# **Uploading Applications to the Insight Workstation**

- 1. Connect a terminal (or computer running FLT, HyperTerminal, etc.) to the MMI or MMI/MODEM port on the driver hardware. Adjust the communication speed, etc. as needed to establish communications.
- 2. For each different application number used to *monitor or control zones* in the SiPass ACCs add Points 1 and 2 for one FLN drop.
- 3. Using the MMI, add the application for each of the drops set up in Step 2.
  - a. Application / flN device / Tec / Edit / Add
  - b. When prompted, enter the TEC System Name and the TEC name.
  - c. When prompted, enter the application number. The application number must match the initial value entered for Point 2 in Step 2.
- 4. Open the System Profile, and then do the following:

- a. Add the driver.
- b. Add the FLN(s) used by the driver.



It is not necessary to add the TECs.

5. From the Insight workstation, perform a Full Backup for the driver. When the upload is complete, refresh System Profile. All applications that you defined through the MMI should now display correctly in System Profile.

# Appendix C - Adding Applications Using the MMI or MMI/MODEM Port and CommTool

Requirement needed to perform the steps in Appendix C

CommTool Revision 4.7 or later.

When defining the system profile at the job site or without access to the corporate network, use the MMI port and CommTool to define your applications.

The first time you attempt to assign an application for the driver using CommTool, the application numbers used by the driver most likely will NOT appear in the list of TEC applications. The following steps describe how to import the application into CommTool.



If the needed application numbers already appear in CommTool's list of TEC applications, you do not need to do the following procedure. CommTool has already imported these applications.



If any applications for the driver are displayed on the CommTool System Profile as Application 65535 or as Application 5000, you must delete these TECs from CommTool. Then, coldstart the driver before proceeding.



#### CAUTION:

Attempts to add the applications using CommTool via any method other than what is described in the following steps is likely to cause unexpected results.

## **Uploading Applications to CommTool**

- 1. Connect a terminal (or computer running FLT, HyperTerminal, etc.) to the MMI or MMI/MODEM port on the driver hardware. Adjust the communication speed, etc. as needed to establish communications.
- 2. For each different application number used to *monitor or control zones* in the SiPass ACCs, add Points 1 and 2 for one FLN drop.
- 3. Using the MMI, add the application for each of the drops set up in Step 2.
  - a. Application / flN device / Tec / Edit / Add
  - b. When prompted, enter the application number. The application number must match the initial value entered for Point 2 in Step 2.
- 4. Open System Profile, and then do the following:
  - a. Add the driver.
  - b. Add the FLN(s) used by the driver.



It is not necessary to add the TECs.

5. From CommTool, perform a Full Backup for the driver. When the upload is complete, refresh System Profile. All applications that you defined through the MMI should now display correctly in System Profile.

# Learning Applications in CommTool

- 1. Select a TEC in the right area of the MMI Database Transfer screen.
- 2. From the File menu, click Learn TEC. The application is uploaded into the CommTool ATOM database. Wait for the upload to complete.
- 3. In System Profile, select Auto-unbundling, Import Application.
- 4. Repeat Steps 1 through 3 for each TEC with a different application number.

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