

Energy Systems
A division of Emerson Network Power



**METHOD OF PROCEDURE (MOP)
FOR THE UPGRADE OF THE SOFTWARE
IN THE SYSTEM MANAGER OF
A CANDEO *MP* OR *XL* POWER SYSTEM**

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RECORD OF CHANGE

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0100	2005-02-22	First release of this procedure (ECN0435)	Y. Rousseau	All
0200	2005-06-16	Updated for Software release 1.6 (ECN0465)	S. Perron	All

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1. INTRODUCTION

This document describes how to upgrade the software in the System Manager of a Candeco *MP* or Candeco *XL* power system.

2. NOTICE OF DISCLAIMER

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3. MATERIAL LIST

The following material is required to perform the software upgrade:

- 1 – computer loaded with
 - Netscape or Explorer
 - the required Java applet
 - the new software version
- 1 – crossover network cable

4. UPGRADING THE SYSTEM MANAGER SOFTWARE

This section describes how to upgrade the GUI of the System Manager. The software in the System Manager can only be upgraded through a PC. The latest copy of the software can be loaded using a compact disk (CD) or can be downloaded on your desktop through the Internet. When a software upgrade is performed a backup is created. This may take from five to ten minutes to complete.

Note 1: A direct software upgrade to version 1.6 cannot be done from any previous software version up to and including version 1.4f. The upgrade must first be done to version 1.4g, then from 1.4g to 1.6.

Note 2: Note that some newer web browser versions may not support ftp upload, such as is the case with Netscape 7.

When start-up is not properly initiated, or if an incomplete software upgrade has occurred, a previously saved copy of the software application is loaded and the following screen is displayed.

Screen 1



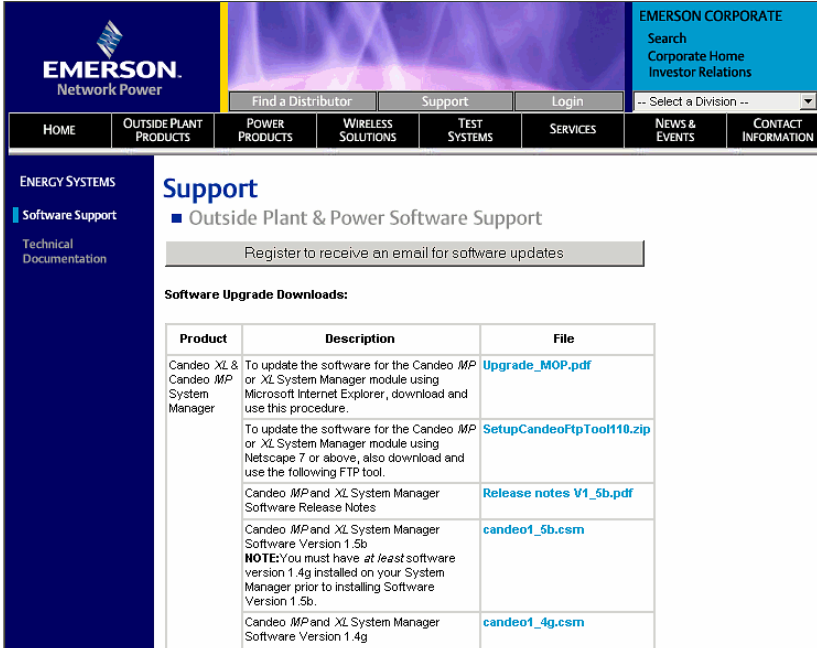
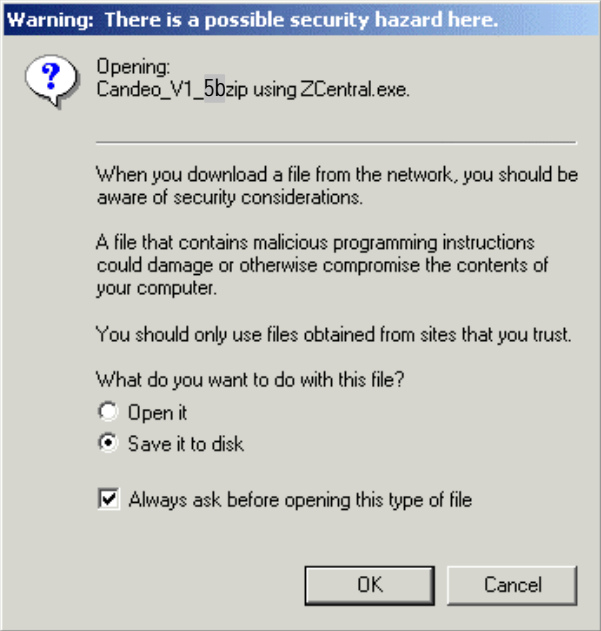
Note: Customers that wish to be notified of a new software release can be logged into a database for tracking. To do so, register yourself by clicking on the bar while in the Software Support screen shown in step 3 of Procedure 1.


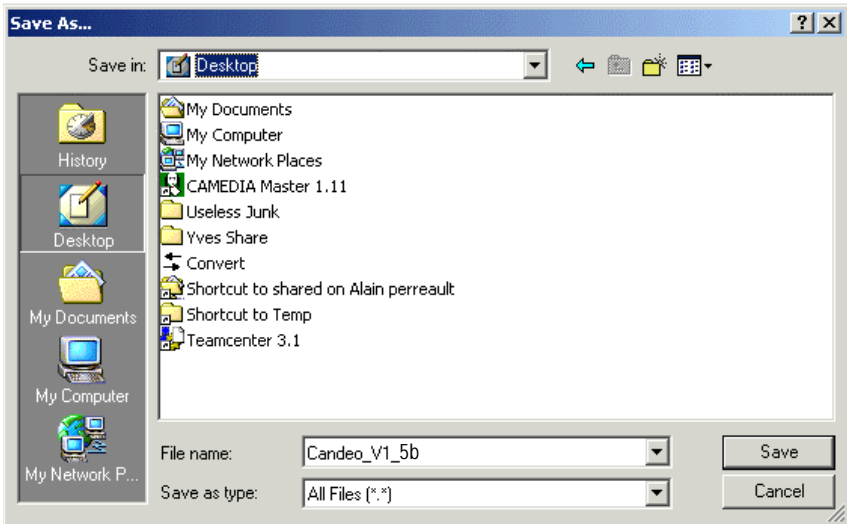

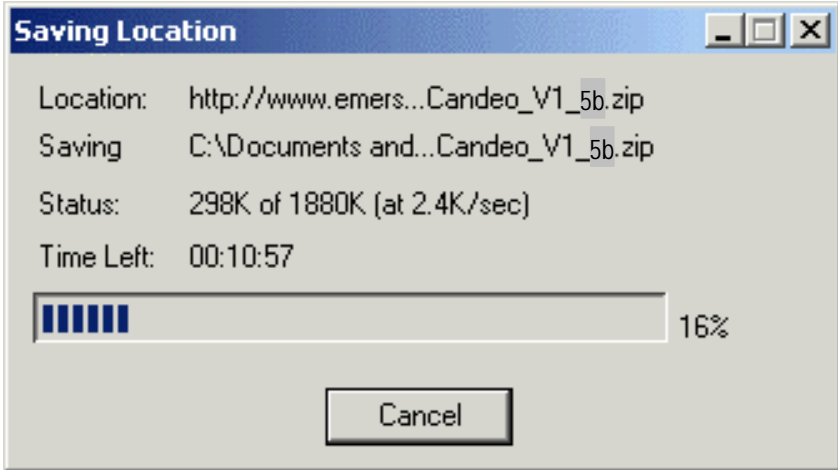
To copy the latest version of the software onto the hard disk of your PC follow the instruction in Procedure 1. If you have the latest copy on CD, load it onto your PC, skip steps 1 to 7 of Procedure 1, and go directly to step 8.

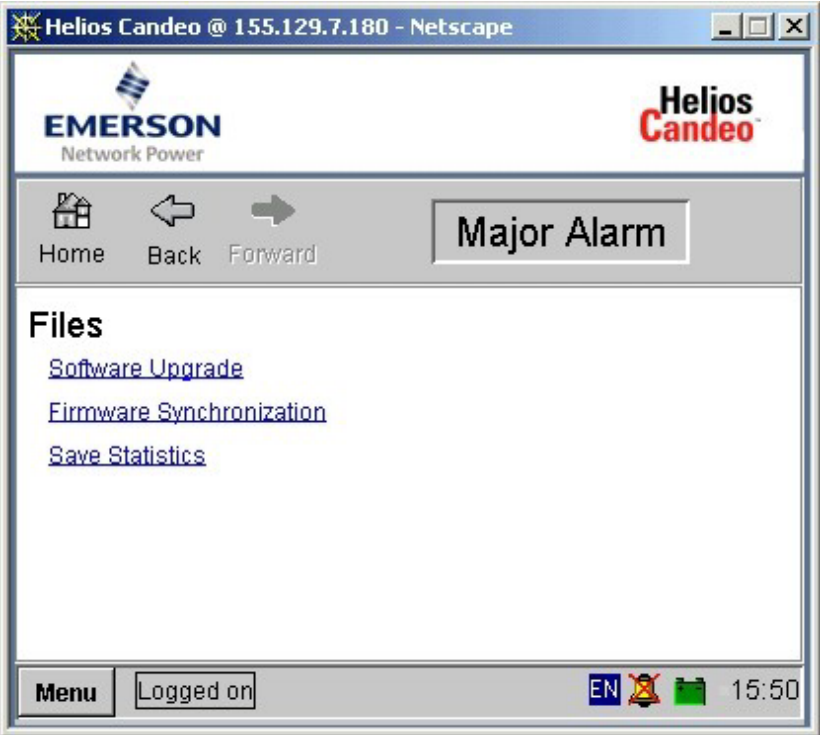
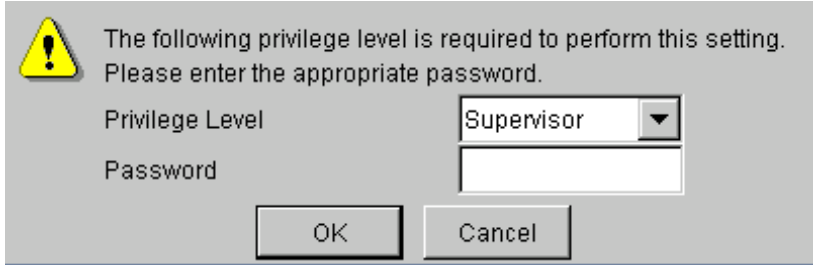
Procedure 1 – Upgrading the software in the System Manager


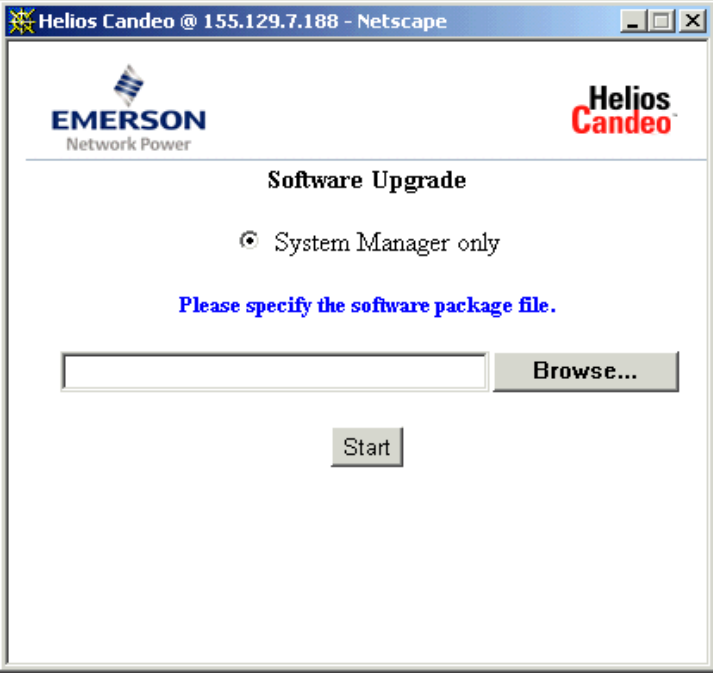

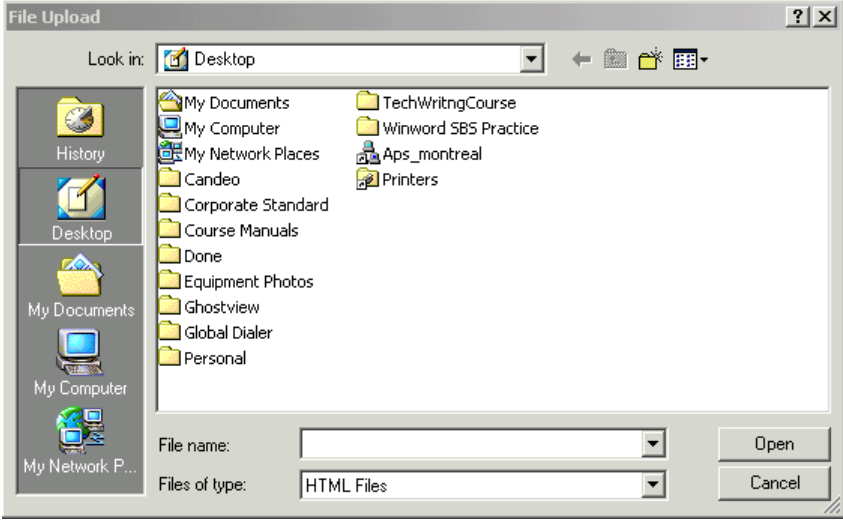

Step	Action
1	<p>Using your remote PC, go to Internet web site http://www.emersonnetworkpower.com/energysystems . The following screen will be displayed.</p>  <p>The screenshot shows the homepage of the Emerson Network Power Energy Systems website. At the top left is the Emerson Network Power logo. To the right are links for 'EMERSON CORPORATE Search', 'Corporate Home', and 'Investor Relations'. Below these are buttons for 'Find a Distributor', 'Support', and 'Login', along with a dropdown menu for 'Select a Division'. A navigation bar contains tabs for HOME, OUTSIDE PLANT PRODUCTS, POWER PRODUCTS, WIRELESS SOLUTIONS, TEST SYSTEMS, SERVICES, NEWS & EVENTS, and CONTACT INFORMATION. The main content area is titled 'Emerson Network Power Energy Systems Industry-Leading Network Infrastructure Solutions'. It includes a 3D rendering of a city street with buildings and infrastructure, and text describing the company's range of network infrastructure products and services. A 'Featured Downloads' section lists 'Outside Plant & Power Network Application Guide (1.8MB)', 'Wireless Solutions' including 'Outside Plant, Power & Service Solutions for Next-Generation Wireless Applications (1.6MB)' and 'Single Source Service Solutions for Wireless Networks (659KB)', and a 'Latest News' section with a headline: 'Emerson Reports Fourth-Quarter Sales Up 12 Percent to \$4.1 Billion, EPS Up 27 Percent to \$0.84, and Operating Cash Flow of \$726 Million'. A copyright notice at the bottom reads: 'Copyright © 2004 Emerson Network Power, Energy Systems, North America, Inc. All rights reserved.'</p>
2	<p>Click on “Support” in the grey bar. The following screen will be displayed.</p>  <p>The screenshot shows the 'Support' page for 'Outside Plant & Power'. The page header includes the Emerson Network Power logo and navigation tabs. The main content area is titled 'Support Outside Plant & Power'. It provides technical support information, including contact details for technical support, RMA requests, and spare parts orders. The contact information includes phone numbers and email addresses for technical support, RMA requests, and spare parts orders. A copyright notice at the bottom reads: 'Copyright © 2004 Emerson Network Power, Energy Systems, North America, Inc. All rights reserved.'</p>

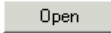
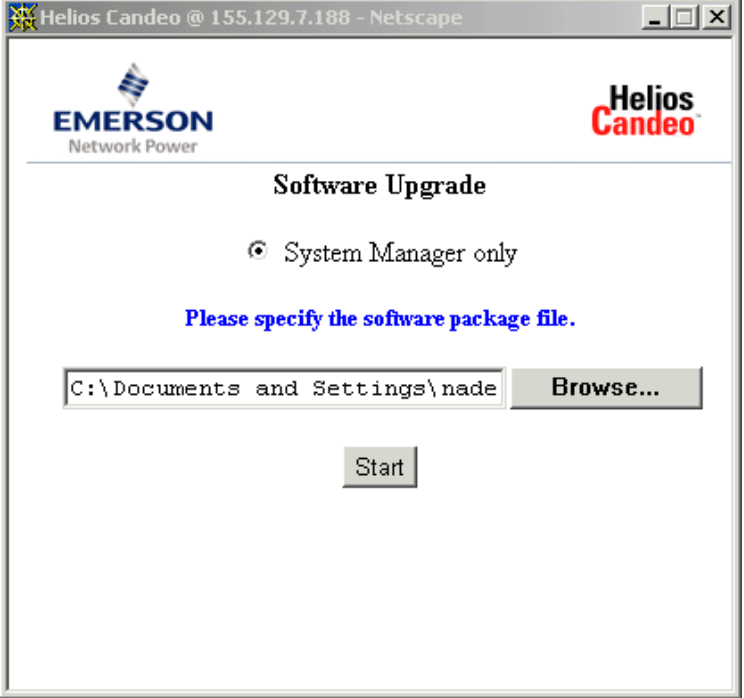

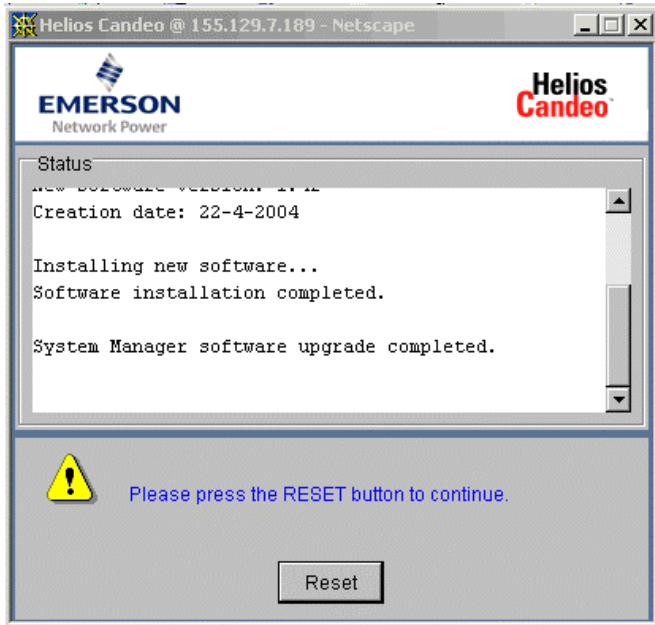
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Step	Action																		
3	<p>Click on Software Support. The following screen will be displayed.</p>  <table border="1" data-bbox="695 680 1182 1003"> <thead> <tr> <th>Product</th> <th>Description</th> <th>File</th> </tr> </thead> <tbody> <tr> <td>Candeo XL & Candeo MP System Manager</td> <td>To update the software for the Candeo MP or XL System Manager module using Microsoft Internet Explorer, download and use this procedure.</td> <td>Upgrade_MOP.pdf</td> </tr> <tr> <td></td> <td>To update the software for the Candeo MP or XL System Manager module using Netscape 7 or above, also download and use the following FTP tool.</td> <td>SetupCandeoFtpTool110.zip</td> </tr> <tr> <td></td> <td>Candeo MP and XL System Manager Software Release Notes</td> <td>Release notes V1_5b.pdf</td> </tr> <tr> <td></td> <td>Candeo MP and XL System Manager Software Version 1.5b NOTE:You must have <i>at least</i> software version 1.4g installed on your System Manager prior to installing Software Version 1.5b.</td> <td>candeo1_5b.csm</td> </tr> <tr> <td></td> <td>Candeo MP and XL System Manager Software Version 1.4g</td> <td>candeo1_4g.csm</td> </tr> </tbody> </table>	Product	Description	File	Candeo XL & Candeo MP System Manager	To update the software for the Candeo MP or XL System Manager module using Microsoft Internet Explorer, download and use this procedure.	Upgrade_MOP.pdf		To update the software for the Candeo MP or XL System Manager module using Netscape 7 or above, also download and use the following FTP tool.	SetupCandeoFtpTool110.zip		Candeo MP and XL System Manager Software Release Notes	Release notes V1_5b.pdf		Candeo MP and XL System Manager Software Version 1.5b NOTE: You must have <i>at least</i> software version 1.4g installed on your System Manager prior to installing Software Version 1.5b.	candeo1_5b.csm		Candeo MP and XL System Manager Software Version 1.4g	candeo1_4g.csm
Product	Description	File																	
Candeo XL & Candeo MP System Manager	To update the software for the Candeo MP or XL System Manager module using Microsoft Internet Explorer, download and use this procedure.	Upgrade_MOP.pdf																	
	To update the software for the Candeo MP or XL System Manager module using Netscape 7 or above, also download and use the following FTP tool.	SetupCandeoFtpTool110.zip																	
	Candeo MP and XL System Manager Software Release Notes	Release notes V1_5b.pdf																	
	Candeo MP and XL System Manager Software Version 1.5b NOTE: You must have <i>at least</i> software version 1.4g installed on your System Manager prior to installing Software Version 1.5b.	candeo1_5b.csm																	
	Candeo MP and XL System Manager Software Version 1.4g	candeo1_4g.csm																	
4	<p>Locate the Software Upgrade Download box for Candeo MP and Candeo XL System Manager and Click on Software vX.XX, on the File column. The following screen will be displayed.</p> 																		
-continued-																			


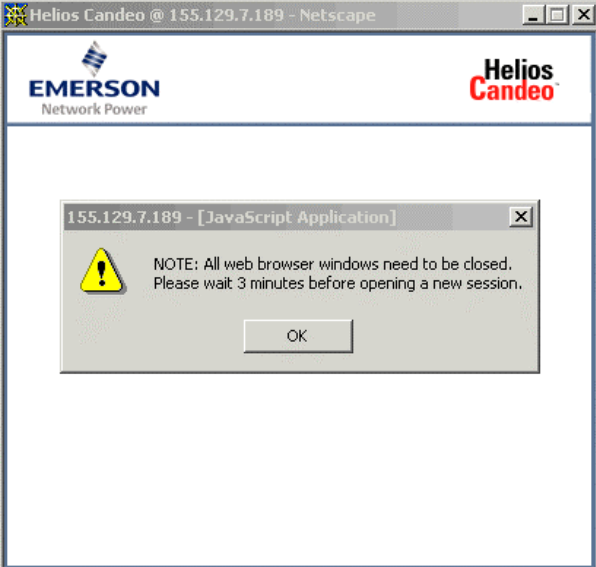


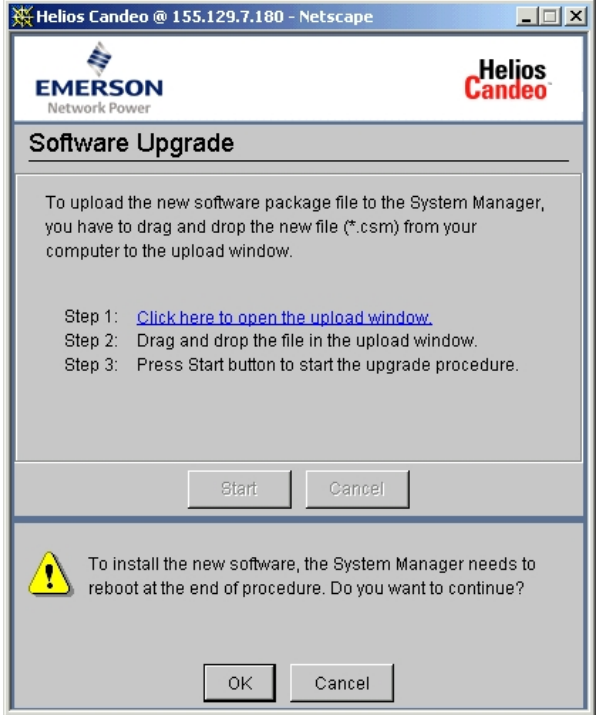
	Step	Action
	5	<p>Select Save this file to disk and click on the  button. A screen similar to the following will be displayed.</p> <p>Select where you want to download the file and modify the "File name", if desired.</p> 
	6	<p>Click on the  button. The following screen will be displayed and the file will be downloaded on the hard disk of your PC.</p> 
	7	<p>Close all web browser windows as required and save the software upgrade file on your PC. Note where you place this file on your desktop.</p>
<p>–continued–</p>		

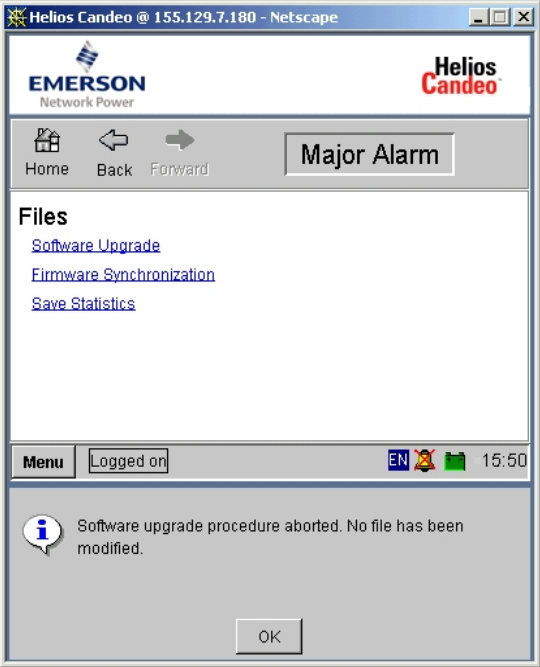
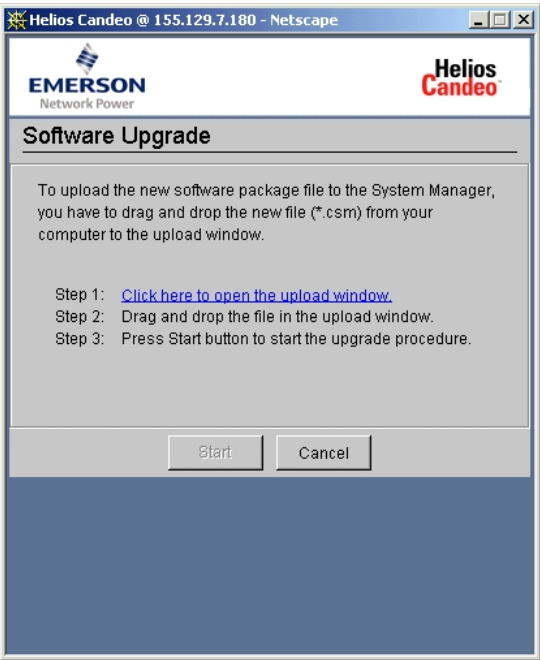
Step	Action
8	<p>Logon the System Manager, click on the Menu button, then on Files. The following screen will be displayed.</p> 
9	<p>Click on Software Upgrade. The following window will be displayed.</p>  <p>Select the appropriate "Privilege Level", enter the proper "Password".</p> <p>Note: If the password has not been modified since the System Manager <i>MP</i> was initially started, the password for the Supervisor privilege level will be "super".</p>
10	<p>For upgrading from any previous software version to version 1.4f or 1.4g, proceed with steps 11 to 16.</p> <p>For upgrading from software version 1.4g or higher to version 1.6, proceed with steps 17 to 25.</p> <p>Note: A direct upgrade to version 1.6 cannot be done from a previous software version up to and including version 1.4f. The upgrade must first be done to version 1.4g, then from 1.4g to 1.6.</p>
<p>–continued–</p>	


	Step	Action
Upgrading from any previous software version to version 1.4f or 1.4g	11	<p>After entering the appropriate password and clicking on the  button, the following screen will be displayed. "System Manager only" should be selected by default. If not, select it.</p> 
	12	<p>Click on the  button. A screen similar to the following will be displayed.</p>  <p>Locate the software upgrade file, noted in step 7.</p> <p>Note: It may be necessary to click on the  button in the "Files of type:" window and select "All Files (*.*)" to be able to see the file.</p>
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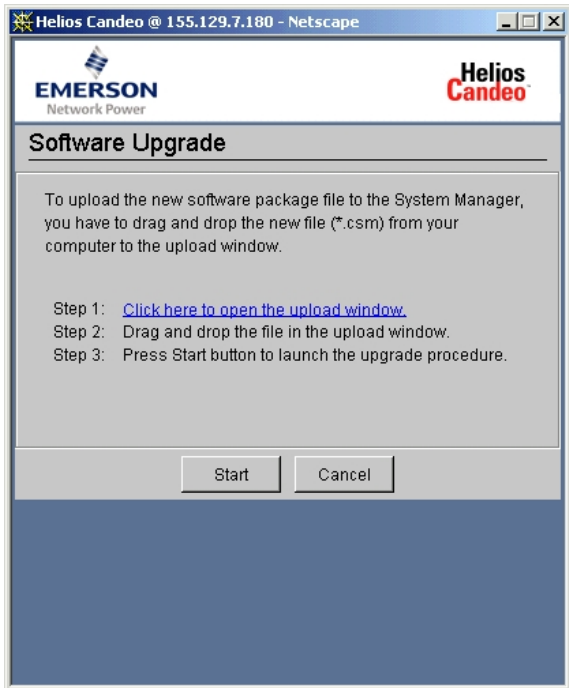
	Step	Action
Upgrading from any previous software version to version 1.4f or 1.4g	13	<p>Click on the  button. The following screen will be displayed again, with the location of the file displayed in the window.</p> 
	14	<p>Click on the  button. The software of the System Manager will be upgraded. After the upgrade has completed, the following screen will be displayed.</p> 

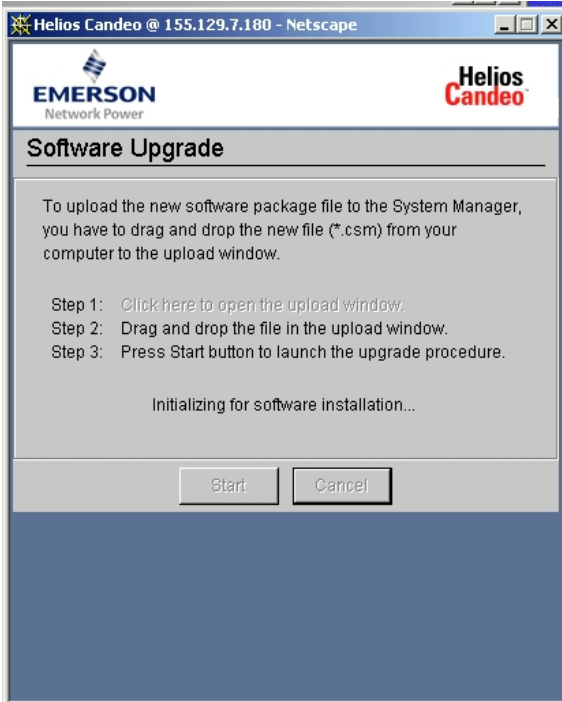
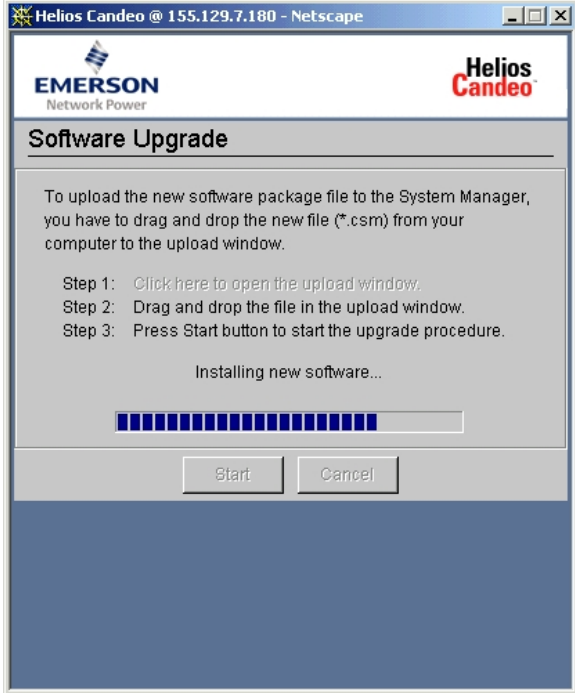
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	Step	Action
Upgrading from any previous software version to	15	Click on the  button. The following screen will be displayed. 
	16	Close all web browser windows as required, then click on the  button. Wait three (3) minutes, then go to step 26.
Upgrading from software version 1.4g or higher to version 1.6	17	After entering the appropriate password and clicking on the  button, the following screen will be displayed. 
-continued-		

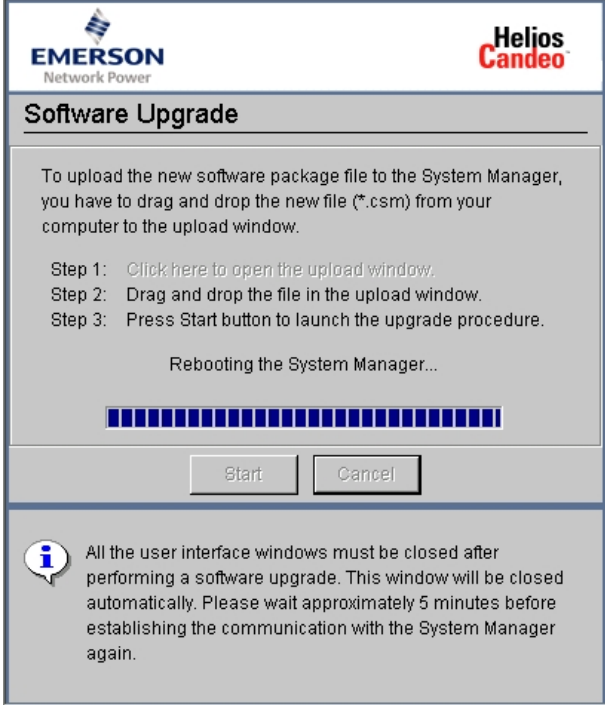
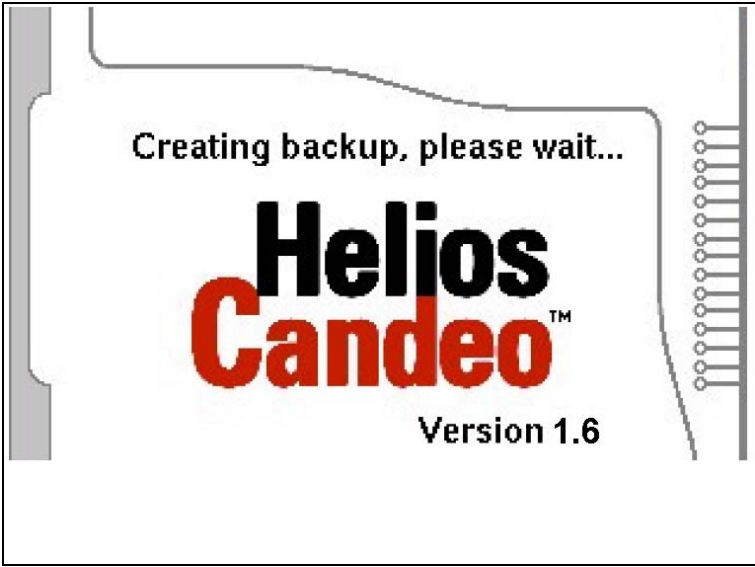
	Step	Action
Upgrading from software version 1.4g or higher to version 1.6	18	<p>If rebooting the System Manager at this time is not desirable, click on the <input type="button" value="Cancel"/> button. The upgrade procedure will be aborted and the following screen will be displayed.</p>  <p>The screenshot shows a web browser window titled "Helios Candeo @ 155.129.7.180 - Netscape". The page header includes the Emerson Network Power logo and the Helios Candeo logo. Below the header is a navigation bar with "Home", "Back", and "Forward" buttons, and a "Major Alarm" button. The main content area is titled "Files" and contains three links: "Software Upgrade", "Firmware Synchronization", and "Save Statistics". At the bottom of the page, there is a "Menu" button, a "Logged on" status indicator, and a clock showing "15:50". A message box at the bottom of the page reads: "Software upgrade procedure aborted. No file has been modified." with an "OK" button.</p> <p>Otherwise, if you wish to continue with the upgrade, click on the <input type="button" value="OK"/> button. The following screen will be displayed.</p>  <p>The screenshot shows a web browser window titled "Helios Candeo @ 155.129.7.180 - Netscape". The page header includes the Emerson Network Power logo and the Helios Candeo logo. Below the header is a navigation bar with "Home", "Back", and "Forward" buttons, and a "Major Alarm" button. The main content area is titled "Software Upgrade" and contains the following text: "To upload the new software package file to the System Manager, you have to drag and drop the new file (*.csm) from your computer to the upload window." Below this text are three steps: "Step 1: Click here to open the upload window.", "Step 2: Drag and drop the file in the upload window.", and "Step 3: Press Start button to start the upgrade procedure." At the bottom of the page, there are "Start" and "Cancel" buttons.</p>

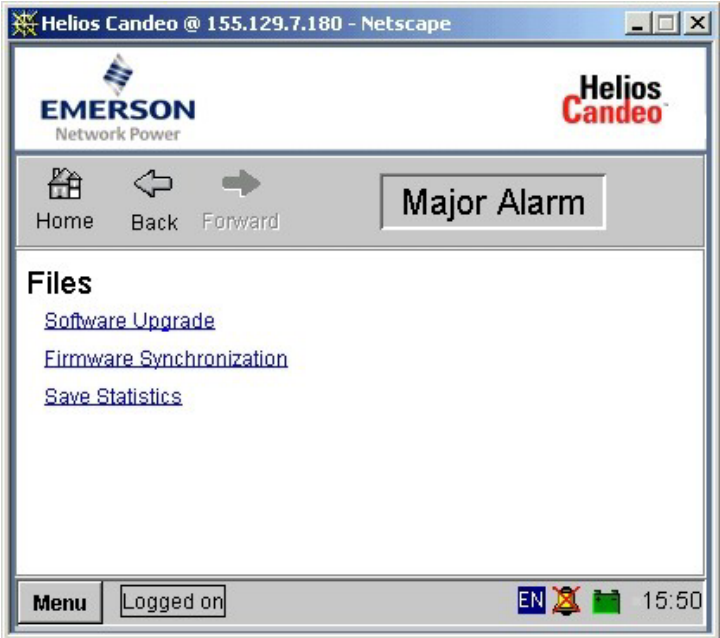
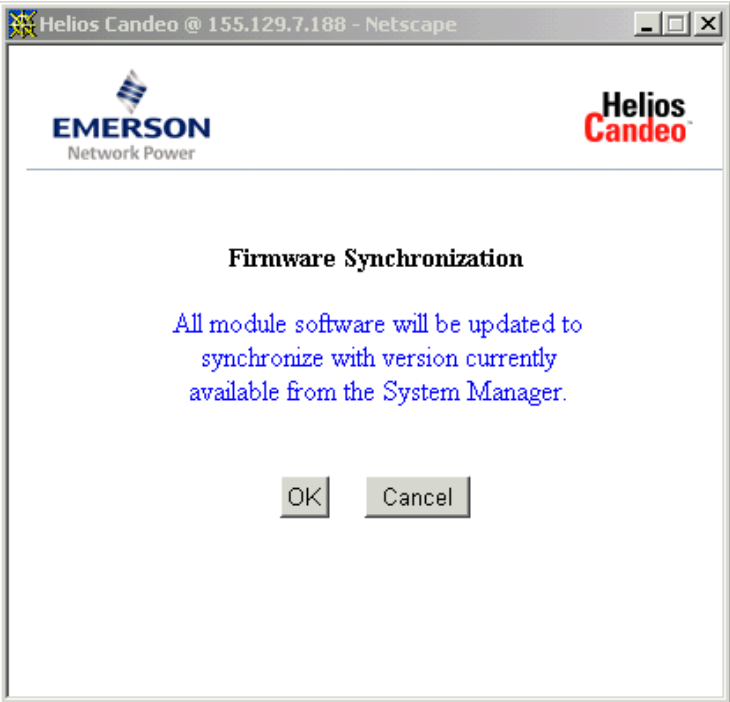
	Step	Action
Upgrading from software version 1.4g or higher to version 1.6	19	<p>Click on the Click here to open the upload window line. In addition to the screen in step 18, the following screen will also be displayed.</p>  <p>Locate the software upgrade file noted in step 7 and drag it into this screen.</p> <p>Note: When dragging and dropping the software upgrade file in the above screen, if, instead of proceeding with the upload, you are asked if you want to open or save the file, it is because you are using a browser that does not support ftp uploads, such as Netscape 7.</p> <p>You can either:</p> <ul style="list-style-type: none"> • use a web browser that supports ftp uploads (like <i>Internet Explorer™</i> or an older version of <i>Netscape™</i>), • use your favorite ftp client program to transfer the file yourself (connect to your System Manager on port 21 with username:ftp and password:ftp), or • use the CandeoFtpTool from EES to transfer the file. <p>The CandeoFtpTool is available on the EES web site (http://www.emersonnetworkpower.com/energysystems/support-software.asp) or on the Candeo Documentation CD (in the "Utils" directory), if you have one.</p> <p>You will need first to install the tool by launching SetupCandeoFtpToolxxx.exe (where xxx is the version number), then, once installed, you can launch CandeoFtpTool; the following screen will be displayed.</p>
–continued–		

	Step	Action
Upgrading from software version 1.4g or higher to version 1.6		 <p>Type in your System Manager's IP address and specify the software upgrade file, then click the Send button. Once the transfer is completed the word Done will be displayed in the status bar.</p> <p>IMPORTANT: transfer the file to the System Manager only after step 17 of the present procedure has completed and that the "Upload Window" of step 20 has been opened. This will enable the Start button so you can continue the procedure. It will also allow you to verify that the file has been uploaded properly (you may need to manually refresh the window).</p>
	20	<p>The Start button will then become selectable in the Software Upgrade screen, as illustrated in the following screen.</p>  <p style="text-align: center;">-continued-</p>


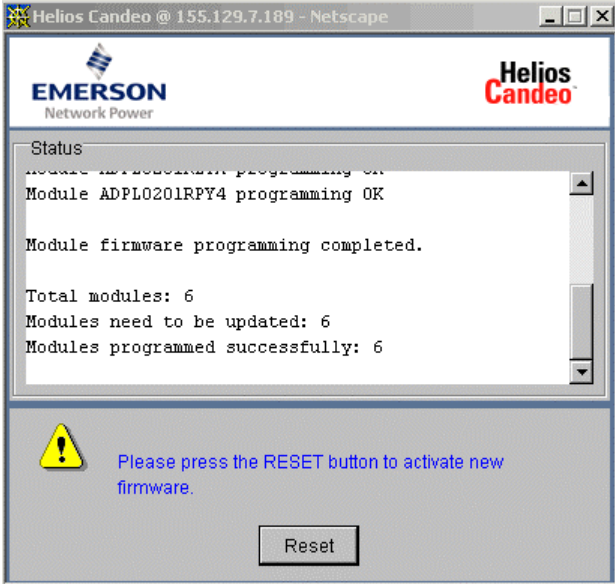

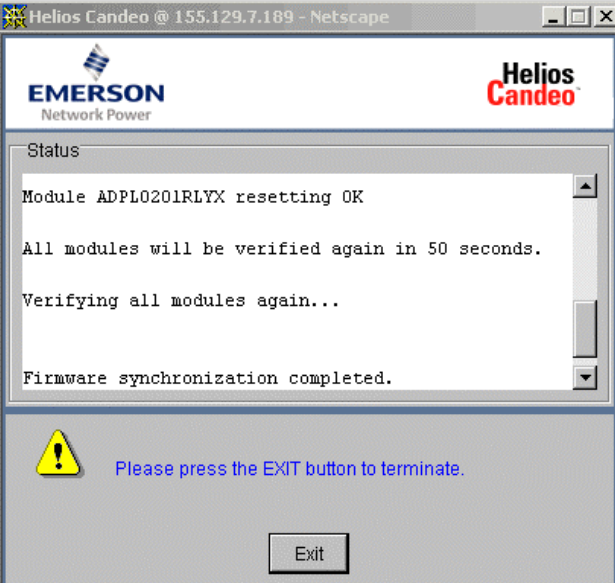

	Step	Action
Upgrading from software version 1.4g or higher to version 1.6	21	<p>Click on the Start button. The software installation will be initialized as illustrated in the following screen.</p> 
	22	<p>The new software will be installed as illustrated in the following screen.</p> 

-continued-

	Step	Action
Upgrading from software version 1.4g or higher to version 1.6	23	<p>Once the new software installation is completed, the System Manager <i>MP</i> will reboot as illustrated in the following screen.</p> 
	24	<p>After the reboot, the System Manager will perform a back-up that will last approximately fifteen (15) minutes, and during which the following screen will be displayed.</p> 
	25	<p>Close all web browser windows as required, wait five (5) minutes, then go to step 26.</p>
-continued-		

Step	Action
26	<p>After waiting the prescribed delay in step 16 or 25, re-establish the communication with the System Manager <i>MP</i>. Click on the MENU button, then on the Files; the following “Files” screen will be displayed.</p> 
27	<p>To upgrade all the modules in the system, in the “Files” screen, click on Firmware Synchronization. The following screen will be displayed.</p> 

–continued–

Step	Action
28	<p>Click on the  button. The following screen will be displayed after the firmware of the modules has been updated.</p> 
29	<p>Click on the  button to activate the new firmware. The following screen will be displayed once the new firmware has been activated and verified for all modules.</p> 
30	<p>Click on the  button to terminate the process. You can then navigate through the GUI of the System Manager <i>MP</i> to verify information or make modifications.</p>