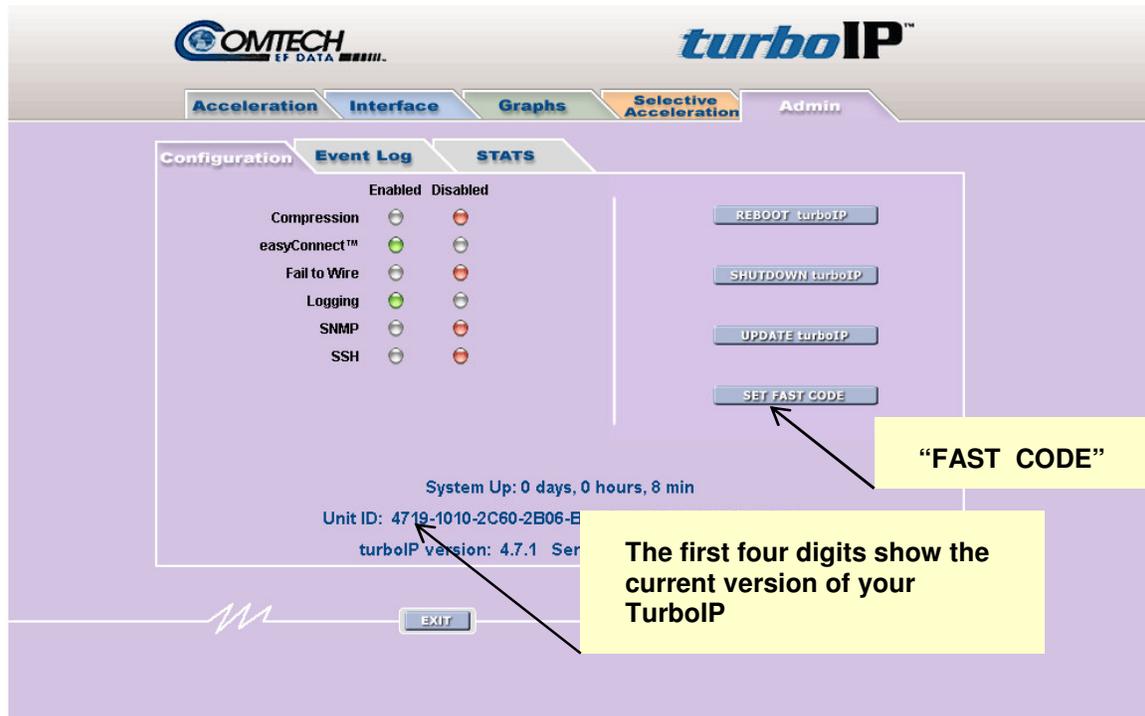


TURBOIP™ VERSION 5.1.1 UPGRADE INSTRUCTIONS

Version 5.1.1 Upgrade Files



The currently installed version can be found by:

Serial port - the version will be displayed in the upper left corner of all menus.

Web - select Administration/Upgrade *turboIP*.

Version 5.1.1 is **recommended** for all field-installed *turboIP* systems. Upgrades can be done using the “Upgrade” screens on the HTTP or CLI interfaces.

The Version 5.1.1 release package contains this document, the Release Notes, and the following files;

Fw10452W_From_471_Upgrade.zip

Fw-0000011W.mib - MIB file for Version 5.1.1 SNMP monitoring

Fw-0000012W.mib - MIB file for Version 5.1.1 SNMP monitoring

IMPORTANT NOTES

- Do not “unzip” the upgrade file since it is in a proprietary format.
- The MIB files are only needed for SNMP monitoring and should be compiled on a MIB Browser or SNMP NMS monitor PC.

Backward Compatibility

A turboIP unit running V5.1.1 is verified compatible with turboIP units running V4.5.X and greater. No guarantee is being provided, at this time, that V5.1.1 will be compatible with versions before V4.5.X. However, to avoid performance degradation and future compatibility issues, a network-wide upgrade of all units to V5.1.1 should be performed.

turboIP Upgrade Procedure

The *turboIP* can be upgraded by one of two methods; using an FTP server with the upgrade file or by placing the upgrade file on the same PC that you are using to web browse the *turboIP*. From the Admin page, select Upgrade *turboIP* and then select the preferred method.



The screenshot displays the Admin page of the turboIP interface. At the top, there is a navigation bar with the following tabs: Acceleration, Interface, Graphs, Selective Acceleration, and Admin. The Admin tab is currently selected. Below the navigation bar, the main content area has a purple background and contains the following text and buttons:

Please select one of the update methods below:

This method requires the update file to be on an FTP server that is accessible to the turboIP. You need to provide the username, password, server address, and path and filename of the update file on the server. **FTP UPDATE**

This method requires the update file to be on the same computer as the web browser you are currently using. You need to provide the path and filename of the update file. **UPLOAD UPDATE**

CANCEL

Unit ID: 4719-1010-2C60-2B06-B0FF-81E0-1007-1133-FWFC

At the bottom of the page, there is a logo for "Accelerated by SKIPWARE" and a stylized signature logo.

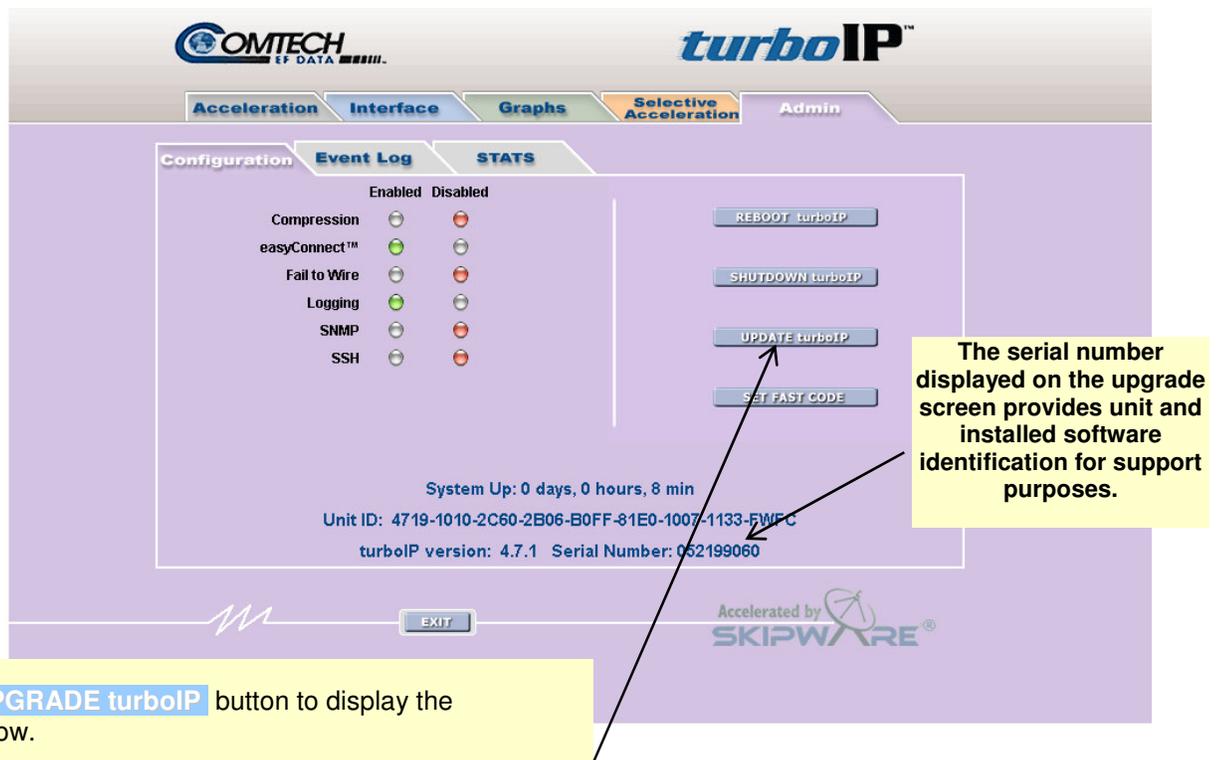
turboIP Upgrade Procedure using an FTP server

To upgrade the *turboIP* by FTP, the upgrade file needs to be placed on an FTP Server .

Configure your FTP Server with a login name and password with the Home Directory set to the location of the upgrade file – [fw10452W_From_471_Upgrade.zip](#)

In this example, the file has been renamed to [upgrade.zip](#).

Use the **UPGRADE turboIP** function to upgrade the unit's software.



The screenshot displays the COMTECH turboIP web interface. The top navigation bar includes 'Acceleration', 'Interface', 'Graphs', 'Selective Acceleration', and 'Admin'. The main content area is divided into 'Configuration', 'Event Log', and 'STATS' tabs. Under the 'Configuration' tab, there is a table of settings:

	Enabled	Disabled
Compression	<input type="radio"/>	<input checked="" type="radio"/>
easyConnect™	<input checked="" type="radio"/>	<input type="radio"/>
Fail to Wire	<input type="radio"/>	<input checked="" type="radio"/>
Logging	<input checked="" type="radio"/>	<input type="radio"/>
SNMP	<input type="radio"/>	<input checked="" type="radio"/>
SSH	<input type="radio"/>	<input checked="" type="radio"/>

Below the table, the system status is shown: 'System Up: 0 days, 0 hours, 8 min', 'Unit ID: 4719-1010-2C60-2B06-B0FF-81E0-1007-1133-FWFC', and 'turboIP version: 4.7.1 Serial Number: 052199060'. On the right side, there are four buttons: 'REBOOT turboIP', 'SHUTDOWN turboIP', 'UPDATE turboIP', and 'SET FAST CODE'. The 'UPDATE turboIP' button is highlighted with a yellow box and an arrow pointing to it from a text box. Another yellow box points to the serial number '052199060' with the text: 'The serial number displayed on the upgrade screen provides unit and installed software identification for support purposes.' At the bottom of the interface, there is an 'EXIT' button and the text 'Accelerated by SKIPWARE®'.

Select the **UPGRADE turboIP** button to display the upgrade window.

The serial number displayed on the upgrade screen provides unit and installed software identification for support purposes.

Please select one of the update methods below:

This method requires the update file to be on an FTP server that is accessible to the turboIP. You need to provide the username, password, server address, and path and filename of the update file on the server.

[FTP UPDATE](#)

This method requires the update file to be on the same computer as the web browser you are currently using. You need to provide the path and filename of the update file.

[UPLOAD UPDATE](#)[CANCEL](#)

Unit ID: 4719-1010-2C60-2B06-B0FF-81E0-1007-1133-FWFC



The screenshot shows the 'turboIP' web interface with the 'Admin' tab selected. The form contains the following fields and buttons:

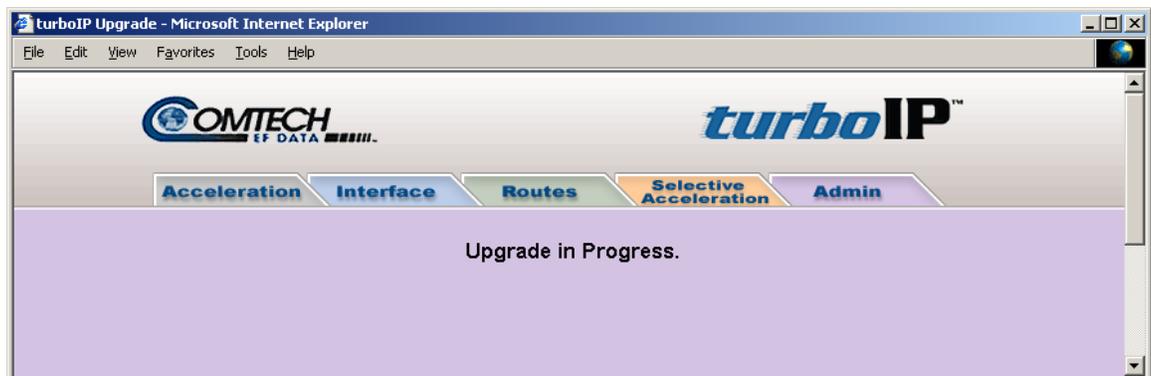
- User Name:**
- Password:**
- FTP Server:**
- File:**
- CANCEL** button
- UPDATE turboIP** button

Unit ID: 4719-2020-3B06-1106-B700-05B7-1007-1135-FWFD

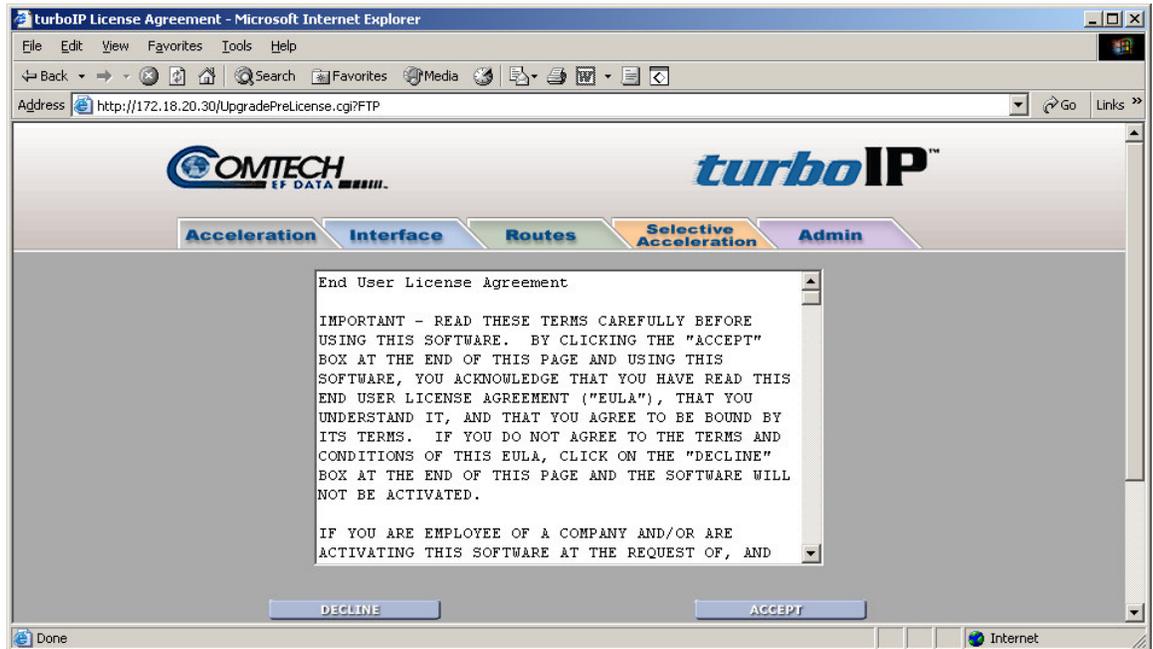
Accelerated by SKIPWARE®

Field	Description
User Name	Enter the login name for the FTP Server.
Password	Enter the password for the FTP Server
FTP Server	Enter the IP Address for the FTP Server (eg. 10.10.10.1)
File	Enter the File name of the upgrade package (and the pathname if the file is not located in root directory) <div style="border: 1px solid black; padding: 2px; width: fit-content;"> File: <input type="text" value="turboIP/upgrade.zip"/> </div>

When ready, pressing **UPGRADE turboIP** will force the unit to attempt to connect to the FTP Server and load a new image.



Once the upgrade completes successfully, the following EULA message is displayed:

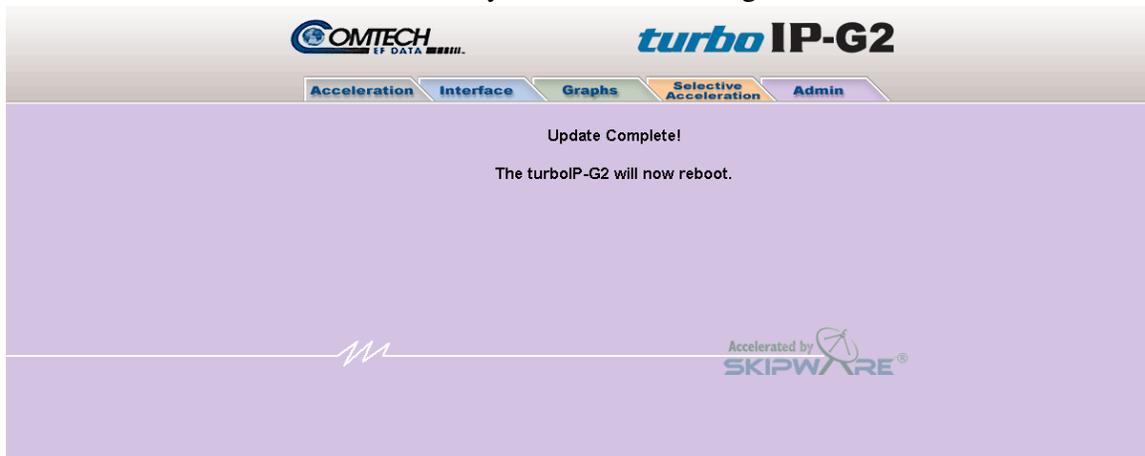


After accepting the EULA, the following message is displayed:

Upgrade Complete!

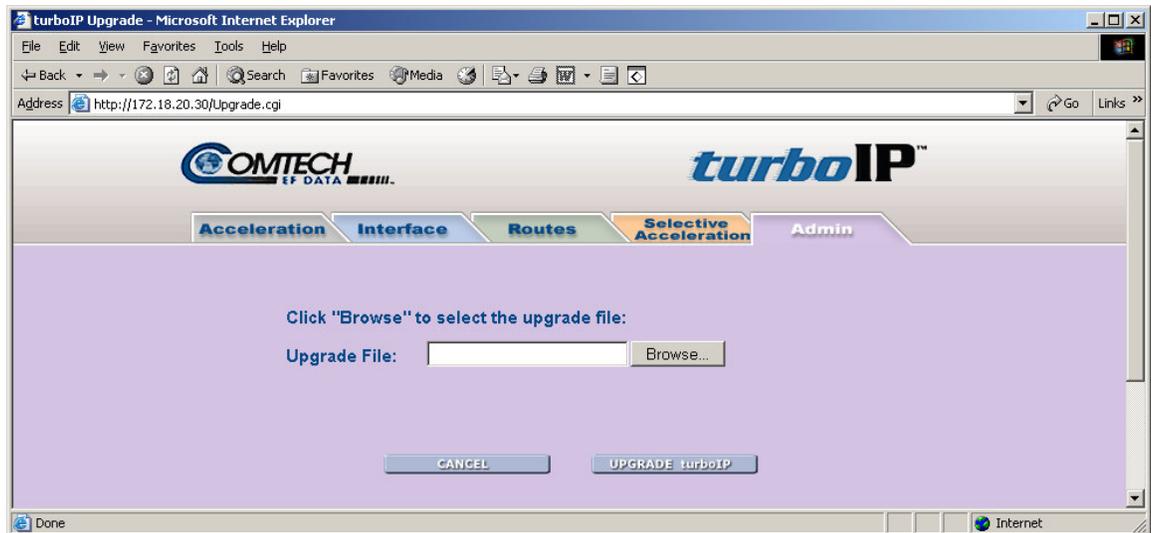
The turboIP will now reboot.

You will need to Power cycle the TurboIP to go to Version 5.1.1.

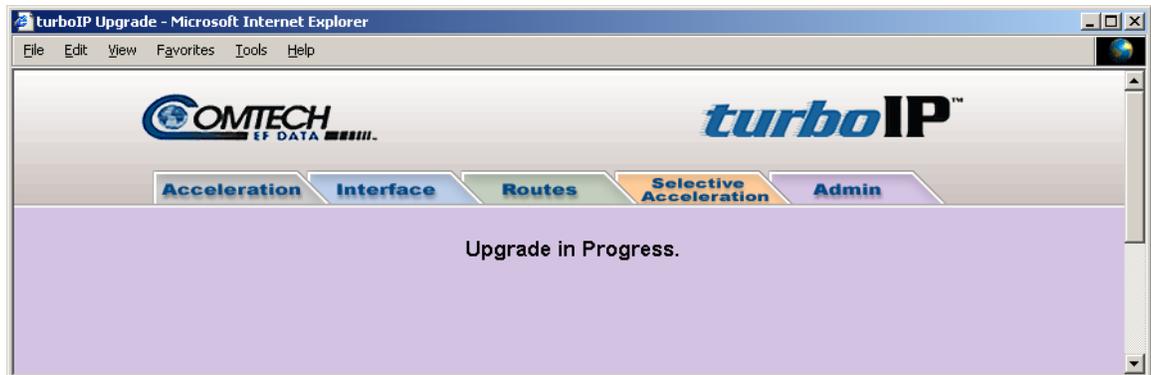


***turboIP* Upgrade Procedure using Upload Upgrade**

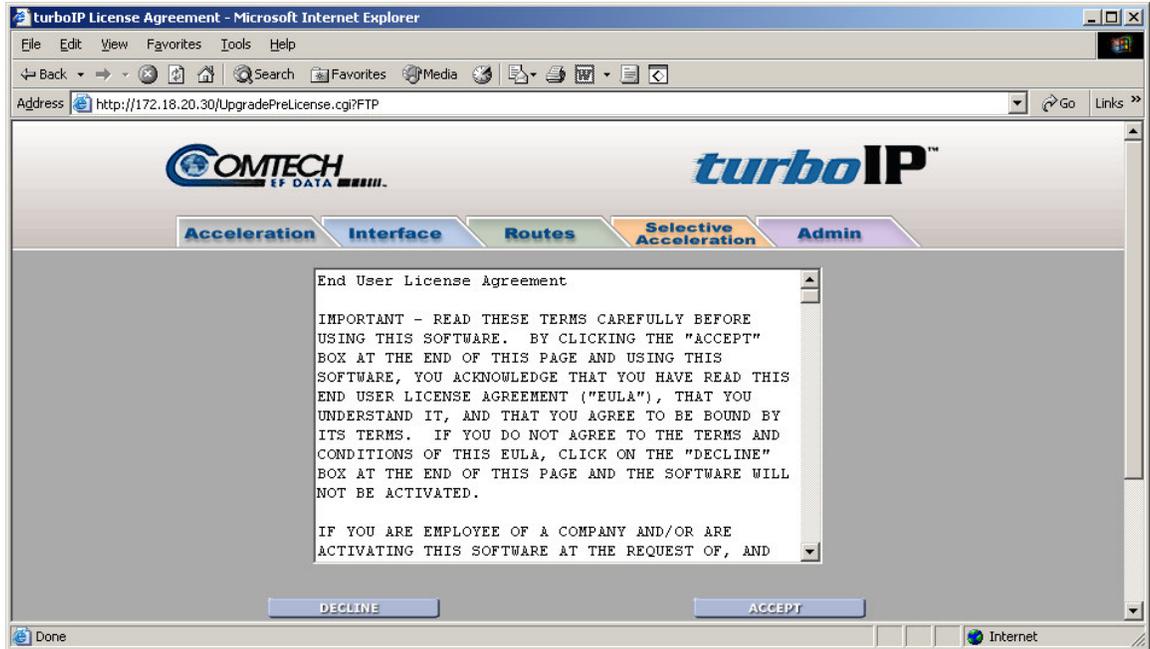
To upgrade the *turboIP* by FTP, the upgrade file needs to be placed on same PC that you are using to web browse the *turboIP*. Click “Browse” to select the path to the directory containing the upgrade file.



When ready, select **UPGRADE turboIP** and the upgrade file will be loaded on *turboIP*.



Once the upgrade completes successfully, the following EULA message is displayed:

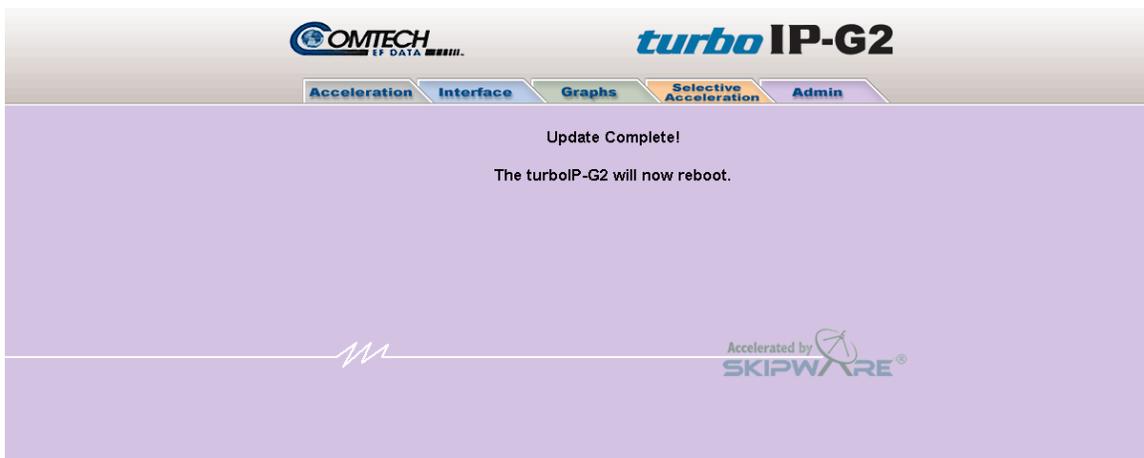


After accepting the EULA, the following message is displayed:

Upgrade Complete!

The turboIP will now reboot.

You will need to Power cycle the TurboIP to go to Version 5.1.1.

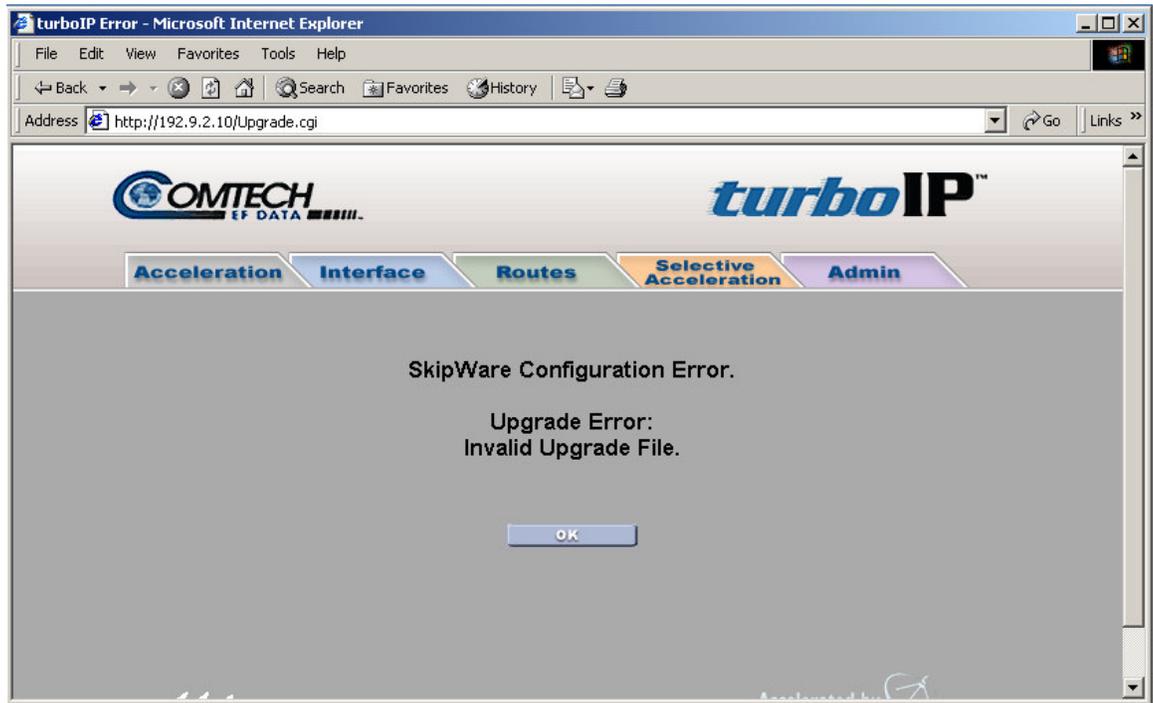


TurboIP Upgrade Troubleshooting

If the upgrade process fails, the failure may be due to any of these causes:

- Incorrect username / password
- Incorrect FTP server IP address
- File does not exist
- Specified file is not a valid upgrade file

Appropriate messages are displayed in each case. For example, if the file is not a valid upgrade file or has been corrupted, the following message is displayed:



Contact CEFD Network Product Support cdmipsupport@comtechefdata.com if there are any difficulties or questions about upgrading your turboIP.