

# TURBOIP-45™ VERSION 4.7.1 UPGRADE INSTRUCTIONS

## Version 4.7.1 Upgrade Files

### IMPORTANT NOTES

**NOTE 1:** Every unit requires a special upgrade zip build specific to that unit. The special build embeds the unit serial number and UnitID and allows the upgrade to program the correct serial number into memory. This requirement allows more efficient future customer support. The upgrade zip will only work with the specific UnitID/Serial Numbers.

**NOTE 2:** Comtech EF Data can build a single upgrade zip that will work with multiple units. The customer is required to provide a list of all serial numbers and associated Unit IDs'. The upgrade zip will only work with the given list of UnitID/Serial Numbers.

**NOTE 3:** If the "FAST CODE" is not embedded with the load you have received then you will have to enter the "FAST CODE" prior to continuing with this upgrade procedure. A "FAST CODE" can be obtained by contacting Comtech EFdata sales representative. Once you have the "FAST CODE" you must enter it on the web page (or cli) as shown below.

**NOTE 4:** This upgrade applies to units that are running any 4.5.X version or greater.

turboIP Administration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://192.1.1.1/admin.cgi

COMTECH EF DATA turboIP™

Acceleration Interface Routes Selective Acceleration Admin

Configuration Event Log STATS

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

REBOOT turboIP

SHUTDOWN turboIP

UPDATE TurboIP

Set FAST Code

System Up: 0 days, 0 hours, 0 min

Unit ID: 4511-2020-372E-3306-E004-830F-0404-0404-FWFD

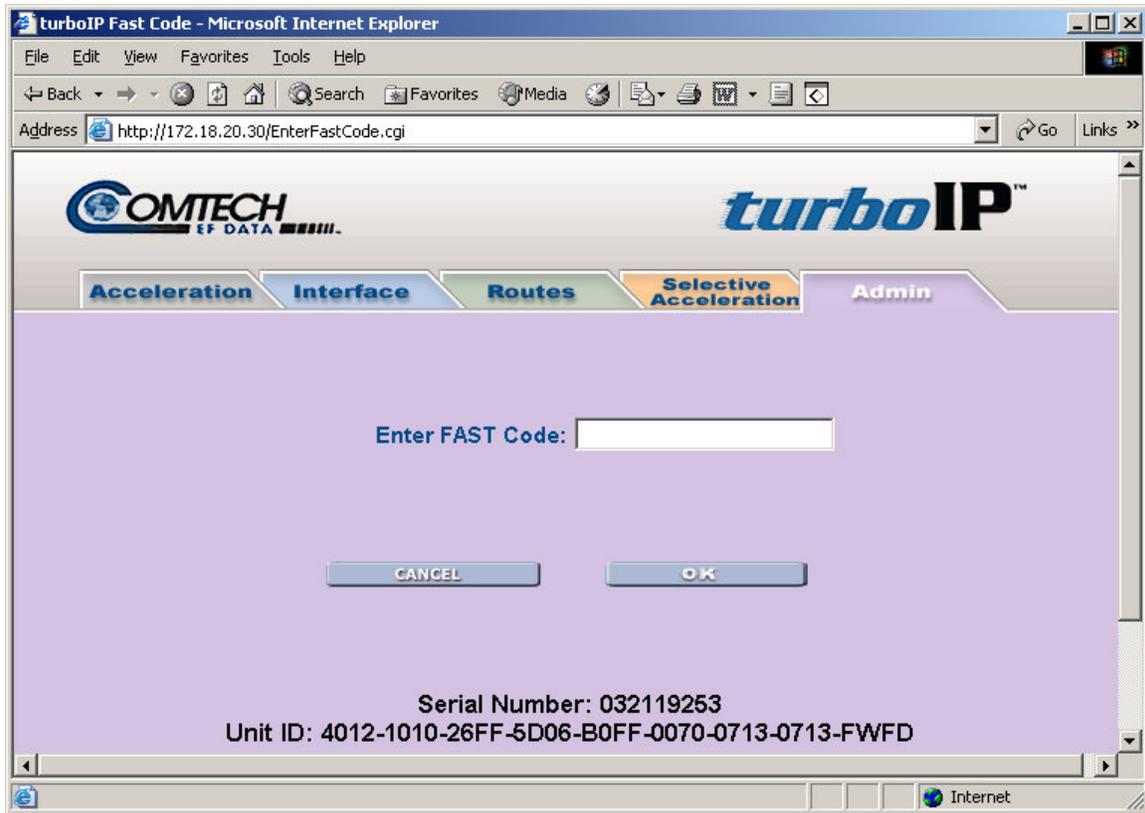
turboIP 45 version: 4.5.1 Authorized version: 0.0.0 Serial Number: 000000000

EXIT

Internet

**“FAST CODE”**

**The first four digits show the current version of your TurboIP-45**



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-45*.

Version 4.7.1 is **strongly recommended** for all field-installed *turboIP-45* systems. Upgrades can be done using the “Upgrade” screens on the HTTP or CLI interfaces.

The Version 4.7.1 release package contains this document, the Release Notes, and the following files;

Fw12995E\_From\_45x\_Upgrade.zip - *Version 4.7.1 upgrade image*

Fw0000013E.mib - *MIB file for Version 4.7.1 SNMP monitoring*

Fw0000014E.mib - *MIB file for Version 4.7.1 SNMP monitoring*

### **IMPORTANT NOTES**

- **The name of the upgrade image file will be unique for each unit. This file name will include the serial number of the unit it is for, or, if it is for multiple units, will indicate the customer name.**
- **Do not “unzip” the upgrade file since it is in a proprietary format.**

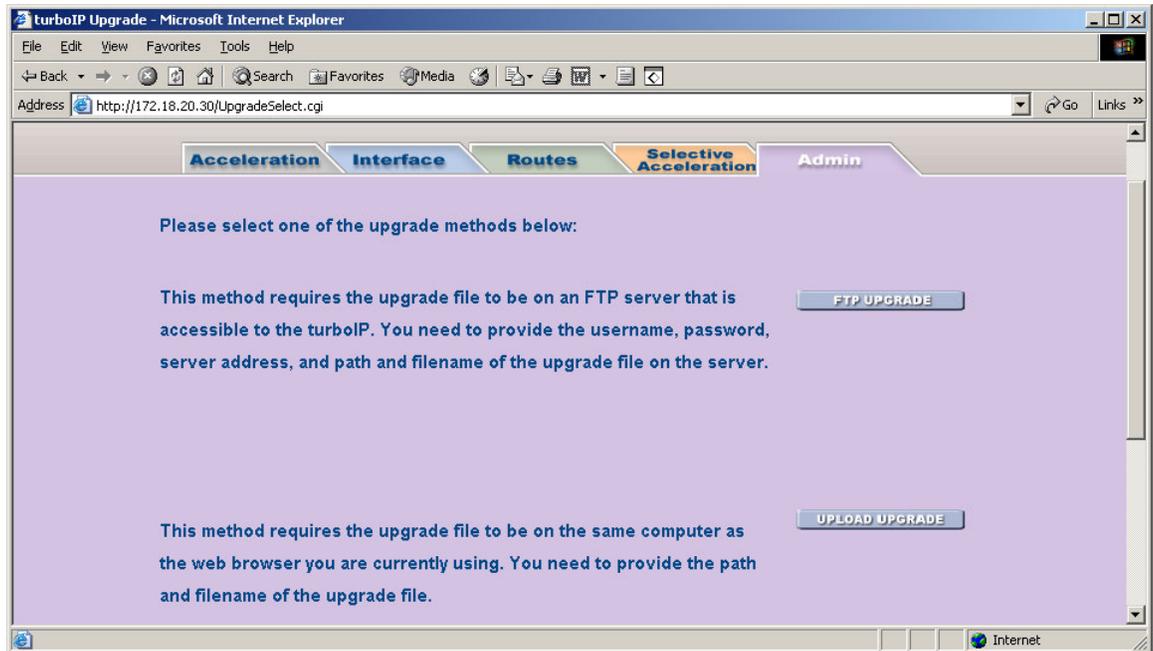
- **The MIB files are only needed for SNMP monitoring and should be compiled on a MIB Browser or SNMP NMS monitor PC.**

## **Backward Compatibility**

A turboIP-45 unit running V4.7.1 is verified compatible with turboIP-45 units running any V4.5.X or greater. However, to avoid performance degradation and future compatibility issues, a network-wide upgrade of all units to V4.7.1 should be performed.

## TurboIP-45 Upgrade Procedure

The *turboIP-45* 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-45*. From the Admin page, select Upgrade *turboIP-45* and then select the preferred method.



### *turboIP-45* Upgrade Procedure using an FTP server

To upgrade the *turboIP-45* 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 – [fw12995E\\_From\\_45x\\_Upgrade.zip](#)

The upgrade will be from V4.5.X (or greater) to V4.7.1 using the [fw12995E\\_From\\_45x\\_Upgrade.zip](#) file.

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

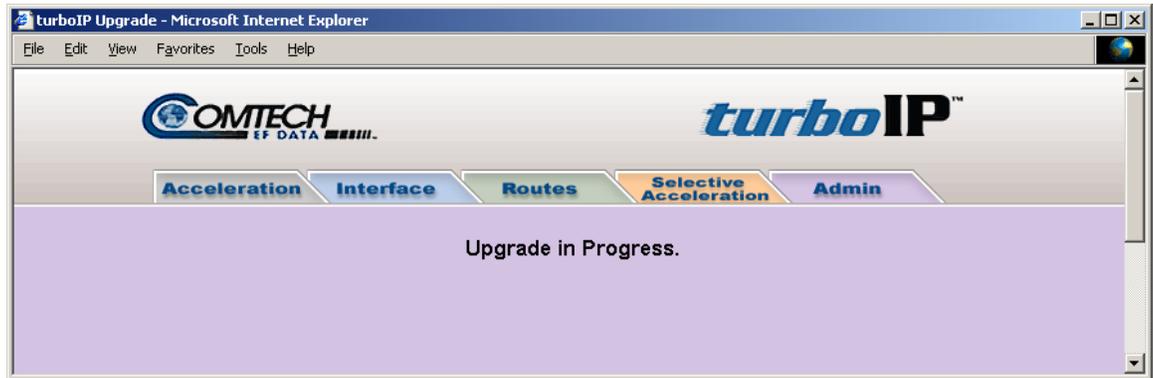
Use the **UPGRADE turboIP-45** function to upgrade the unit's software.

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

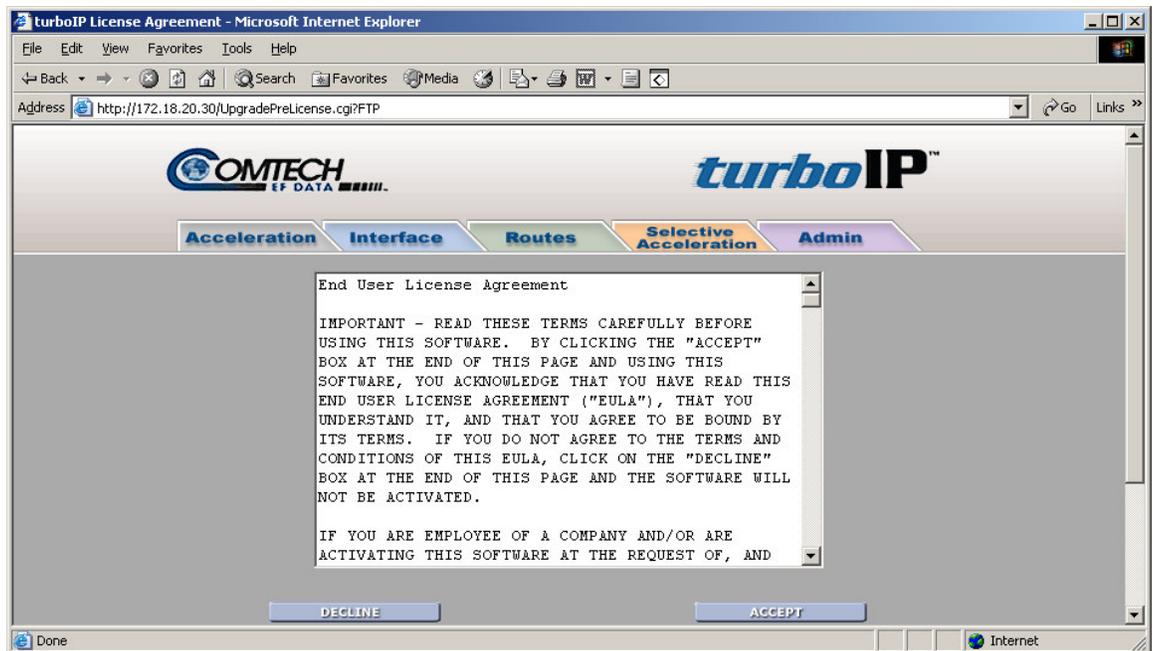
The serial number displayed on the upgrade screen provides unit and installed software identification for support purposes.

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) File: <input type="text" value="turboIP/upgrade.zip"/>

When ready, pressing **UPGRADE turboIP-45** 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:

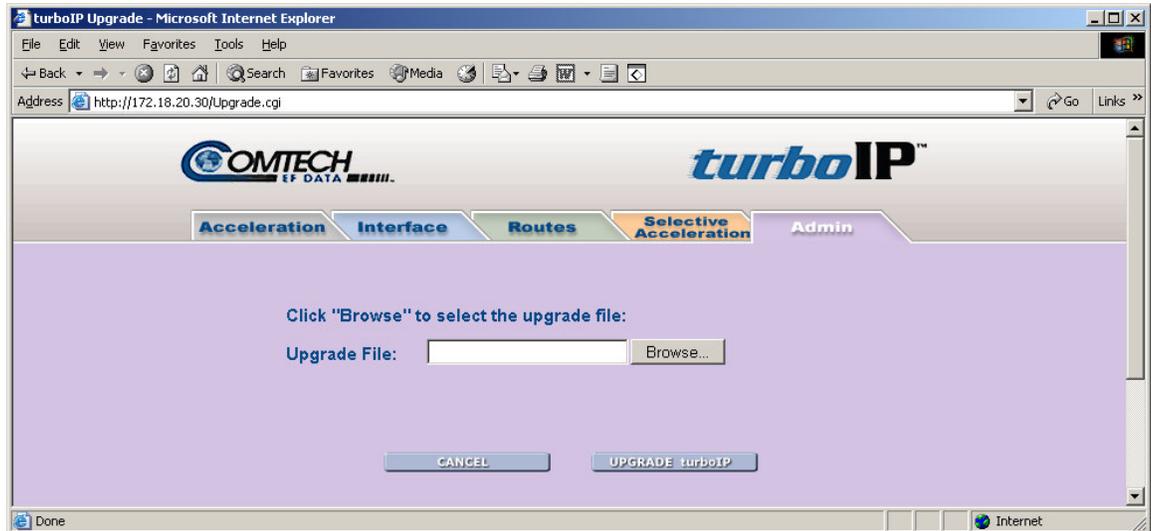
**Upgrade Complete!**

**The turboIP will now reboot.**

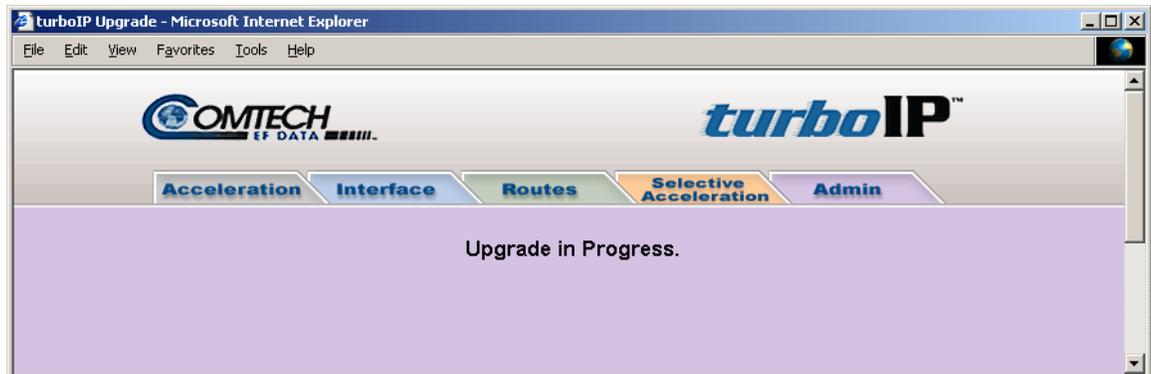
You will need to Power cycle the TurboIP-45 to go to Version 4.7.1.

## TurboIP-45 Upgrade Procedure using Upload Upgrade

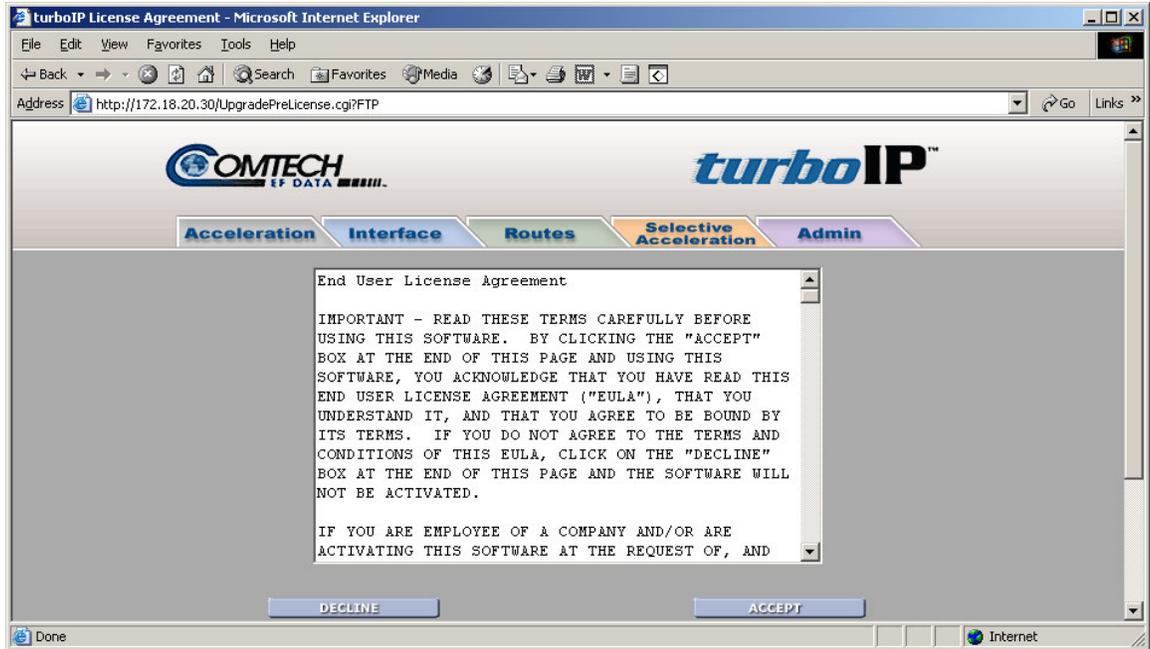
To upgrade the *turboIP-45* by FTP, the upgrade file needs to be placed on same PC that you are using to web browse the *turboIP-45*. Click “Browse” to select the path to the directory containing the upgrade file.



When ready, select **UPGRADE turboIP-45** and the upgrade file will be loaded on *turboIP-45*.



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.**

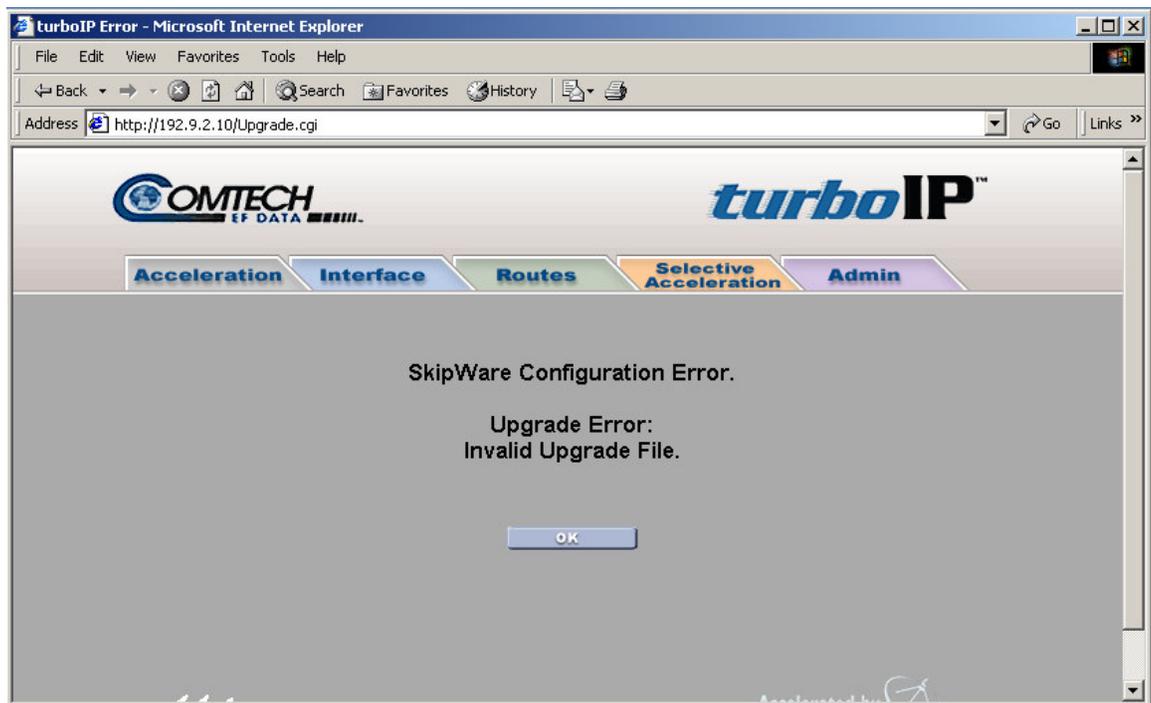
You will need to Power cycle the TurboIP-45 to go to Version 4.7.1.

## TurboIP-45 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](mailto:cdmipsupport@comtechefdata.com) if there are any difficulties or questions about upgrading your *turboIP-45*.