CDM-IP VERSION 1.3.3 UPGRADE INSTRUCTIONS

Version 1.3.3 Upgrade Files

This release includes two upgrade files for CDM-IP, one for CDM-IP modems with a Framer I module, and the other for CDM-IP modems with a Framer II module.

IMPORTANT

The IP module must be running Version 1.3.0 (or 1.3.2) before upgrading to Version 1.3.3.

CDMIP_Framer_I_133.zip – If you have a CDM-IP with a Framer I module installed, you will download this file to upgrade to version 1.3.3. Units running Version 1.3.2 with a Framer I module will display the following under Operations and Maintainance/Unit Info:

```
Booted using image #2
Using configuration parameters from PARAM file on Flash
HW Configuration: FramerI


Type      | Built (EST)      | Name         | Rev    | Len
Boot      | 7/23/2004 14:27  | FW9782-1D    | 1.3.1  | 227536
Bulk #1   | 8/02/2004 16:54  | FW10555C     | 1.3.2  | 1286024
Bulk #2   | 8/02/2004 16:54  | FW10555C     | 1.3.2  | 1286024
EVENTLOG  | 1/01/1970 00:00  | eventlog     | 1.3.1  | 174080
PARAM     | 7/13/2005 17:35  | console      | 1.3.2  | 3356
```

CDMIP_Framer_II_133.zip – If you have a CDM-IP with a Framer II module installed, you will download this file to upgrade to version 1.3.3. Units running Version 1.3.2 with a Framer II module will display the following under Operations and Maintainance/Unit Info:

```
Booted using image #2
Using configuration parameters from PARAM file on Flash
HW Configuration: FramerII


Type      | Built (EST)      | Name         | Rev    | Len
Boot      | 7/23/2004 14:27  | FW9782-1D    | 1.3.1  | 227536
Bulk #1   | 8/02/2004 16:49  | FW10728B     | 1.3.2  | 1286024
Bulk #2   | 8/02/2004 16:49  | FW10728B     | 1.3.2  | 1286024
EVENTLOG  | 1/01/1970 00:00  | eventlog     | 1.3.1  | 409600
PARAM     | 7/13/2005 09:44  | console      | 1.3.2  | 3360
```

Instructions to Upgrade from Ver 1.3.0 (or 1.3.2) to 1.3.3 for Framer I

IMPORTANT

During the upgrade process, the CDM-IP will display several events as they occur when connected to either the Serial Console Port or Telnet. These events include FTP login, writing the image to flash, and verification that the FTP transfer was completed.

For upgrades to a local CDM-IP - It is recommended that this upgrade be performed with a PC that is locally attached to the CDM-IP via the RS232 Serial Console Port and the Ethernet Port.

For upgrades to a remote CDM-IP over a satellite link - It is recommended that this upgrade be performed with a PC that has a Telnet and an FTP connection to the CDM-IP via satellite.

The CDM-IP SW Framer I Package will contain the Release Notes for Version 1.3.3 and:

Version 1.3.3 IP Module Framer I upgrade file

Description	Filename
CDM-IP Bulk Image	fw10555d.bin

Version 1.3.3 IP Module SNMP MIB files

MIB Name	Filename
Comtech EF Data	fw 10174-8-.mib
CDM-IP Controller	fw10174-2d.mib
CDM-IP 550	fw 10174-3b.mib
CDM-IP 300L	fw 10174-4b.mib
CDM-IP 550 Traps	fw 10174-5-.mib
CDM-IP 300L Traps	fw 10174-6-.mib

Note: The SNMP MIB files are not needed for upgrading the IP module; they are only needed if using an SNMP NMS/ Browser for SNMP monitor and control of a CDM-IP modem. They would be compiled on the NMS/ SNMP Browser, refer to compile instructions of the NMS/browser.

Connect the Client PC to the CDM-IP Modem via an Ethernet Hub, Switch, or Ethernet crossover cable.

> **NOTE**: Remote CDM-IP modems can be upgraded through a satellite link with another CDM-IP.

Verify the connection by issuing a "ping" command to the CDM-IP.

Initiate an FTP session with the CDM-IP by typing "ftp xxx.xxx.xxx.xxx" where "xxx.xxx.xxx.xxx" is the IP address of the CDM-IP. Enter your admin user name and password to complete the login. Observe that the following is displayed on the CLI:

```
FTP Connected - 'User: comtech' logged in
```

Verify the FTP transfer is binary by typing "bin". Type "prompt" then type "hash" to facilitate the transfer process.

Type "put fw10555d.bin" to begin the file transfers. This will load the Bulk image, which includes Bootrom, Application, FPGA, and the Framer FPGA .mpp files.

The serial console will display the following as the 1.3.3 image is loaded;

```
FTP Connected - 'User: comtech' logged in
CODELOAD: 9a60ce70 CRC OK!
Saving FPGA Image 1: File fw9784-1-.mpp, Size 83480
Preparing flash... Writing flash image... Finished.
Saving Boot Image: File fw9782-1d.mpp, Size 227604
Preparing flash... Writing flash image... Finished.
Saving FPGA Image 1: File fw9783-1b.mpp, Size 499088
Preparing flash... Writing flash image... Finished.
Saving Application Image 1: File fw10174-1e.mpp, Size 1296576
Preparing flash... Writing flash image... Finished.
End of image indicator found.  Exiting.
FTP Transfer complete
```

After verifying a successful file transfer, terminate the FTP transfer by typing "bye".

Verify the new files are loaded by selecting Operations & Maintenance/ Unit Information.

```
Type     | Built (EST)     | Name       | Rev    | Len
Boot     | 7/23/2004 14:27 | FW9782-1D  | 1.3.1  | 227536
Bulk #1  | 7/08/2005 16:54 | FW10555D   | 1.3.3  | 1296508
Bulk #2  | 8/02/2004 16:54 | FW10555C   | 1.3.2  | 1286024
EVENTLOG | 1/01/1970 00:00 | eventlog   | 1.3.1  | 174080
PARAM    | 7/13/2005 17:35 | console    | 1.3.2  | 3356
```

NOTE – The CDM-IP allows two Bulk Images to be stored. The default for the Image the CDM-IP will boot to is "Latest", where the CDM-IP will compare the dates of the Images and select the latest date. The CDM-IP can also be configured to boot to either the Image in Slot #1 or Slot#2. The fw10555d.bin file may be loaded a second time to populate both Bulk Image slots.

Save Parameters to permanent storage and Reboot CDM-IP. The CDM-IP will now be running Ver 1.3.3.

Instructions to Upgrade from Ver 1.3.0 (or 1.3.2) to 1.3.3 for Framer II

The process to upgrade to Version 1.3.3 for a Framer II is identical to the Framer I process. The only difference is the Bulk Image that will be loaded is fw10728b.bin.

The CDM-IP SW Framer II Package will contain the Release Notes for Version 1.3.3 and:

Version 1.3.3 IP Module Framer II upgrade file

Description	Filename
CDM-IP Bulk Image	fw10728c.bin

Version 1.3.3 IP Module SNMP MIB files

MIB Name	Filename
Comtech EF Data	fw 10174-8-.mib
CDM-IP Controller	fw10174-2c.mib
CDM-IP 550	fw 10174-3a.mib
CDM-IP 300L	fw 10174-4a.mib
CDM-IP 550 Traps	fw 10174-5-.mib
CDM-IP 300L Traps	fw 10174-6-.mib

Note: The SNMP MIB files are not needed for upgrading the IP module; they are only needed if using an SNMP NMS/ Browser for SNMP monitor and control of a CDM-IP modem. They would be compiled on the NMS/ SNMP Browser, refer to compile instructions of the NMS/browser.

Connect the Client PC to the CDM-IP Modem via an Ethernet Hub, Switch, or Ethernet crossover cable.

> **NOTE**: Remote CDM-IP modems can be upgraded through a satellite link with another CDM-IP.

Verify the connection by issuing a "ping" command to the CDM-IP.

Initiate an FTP session with the CDM-IP by typing "ftp xxx.xxx.xxx.xxx" where "xxx.xxx.xxx.xxx" is the IP address of the CDM-IP. Enter your admin user name and password to complete the login. Observe that the following is displayed on the CLI:

```
FTP Connected - 'User: comtech' logged in
```

Verify the FTP transfer is binary by typing "bin". Type "prompt" then type "hash" to facilitate the transfer process.

Type "put fw10728c.bin " to begin the file transfers. This will load the Bulk image, which includes Bootrom, Application, FPGA, and the Framer FPGA .mpp files.

The serial console will display the following as the 1.3.3 image is loaded;

```
FTP Connected - 'User: comtech' logged in
```

```
CODELOAD: dd9ea387 CRC OK!

Saving FPGA Image 1: File fw10642a.mpp, Size 1085056

Preparing flash... Writing flash image... Finished.

Saving Boot Image: File fw9782-1d.mpp, Size 227604

Preparing flash... Writing flash image... Finished.

Saving FPGA Image 1: File fw10643-.mpp, Size 83432

Preparing flash... Writing flash image... Finished.

Saving Application Image 1: File fw10174-7f.mpp, Size 1296576

Preparing flash... Writing flash image... Finished.
End of image indicator found.  Exiting.
FTP Transfer complete
```

After verifying a successful file transfer, terminate the FTP transfer by typing "bye".

Verify the new files are loaded by selecting Operations & Maintenance/ Unit Information.

```
Type     | Built (EST)       | Name          | Rev     | Len
Boot     | 7/23/2004 14:27   | FW9782-1D     | 1.3.1   | 227536
Bulk #1  | 7/08/2005 16:46   | FW10728C      | 1.3.3   | 1296508
Bulk #2  | 8/02/2004 16:49   | FW10728B      | 1.3.2   | 1286024
EVENTLOG | 1/01/1970 00:00   | eventlog      | 1.3.1   | 409600
PARAM    | 7/13/2005 09:44   | console       | 1.3.2   | 3360
```

NOTE – The CDM-IP allows two Bulk Images to be stored. The default for the Image the CDM-IP will boot to is "Latest", where the CDM-IP will compare the dates of the Images and select the latest date. The CDM-IP can also be configured to boot to either the Image in Slot #1 or Slot#2. The fw10728c.bin file may be loaded a second time to populate both Bulk Image slots.

Save Parameters to permanent storage and Reboot CDM-IP. The CDM-IP will now be running Ver 1.3.3.