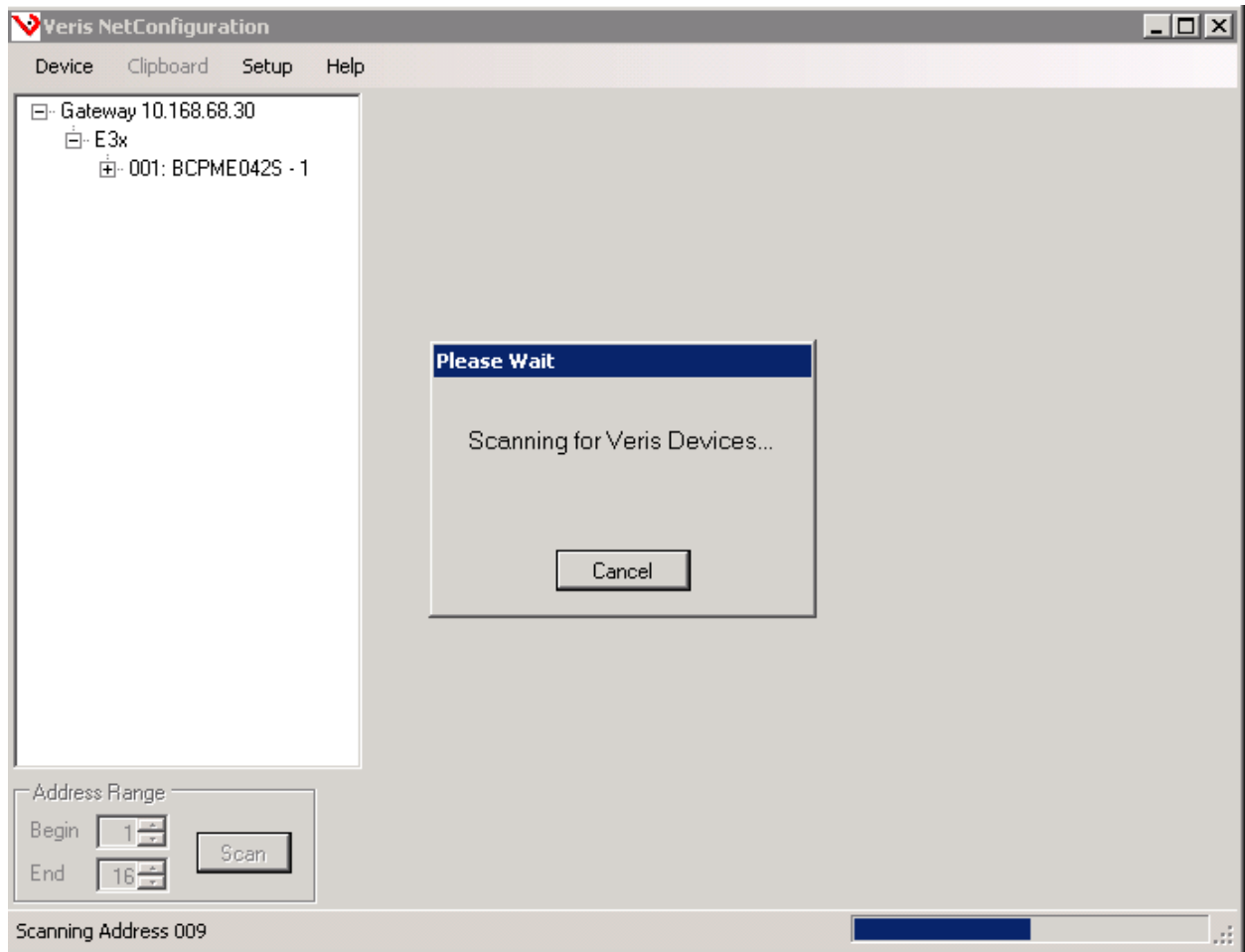


## Firmware Upgrade Process for BCPM(E)

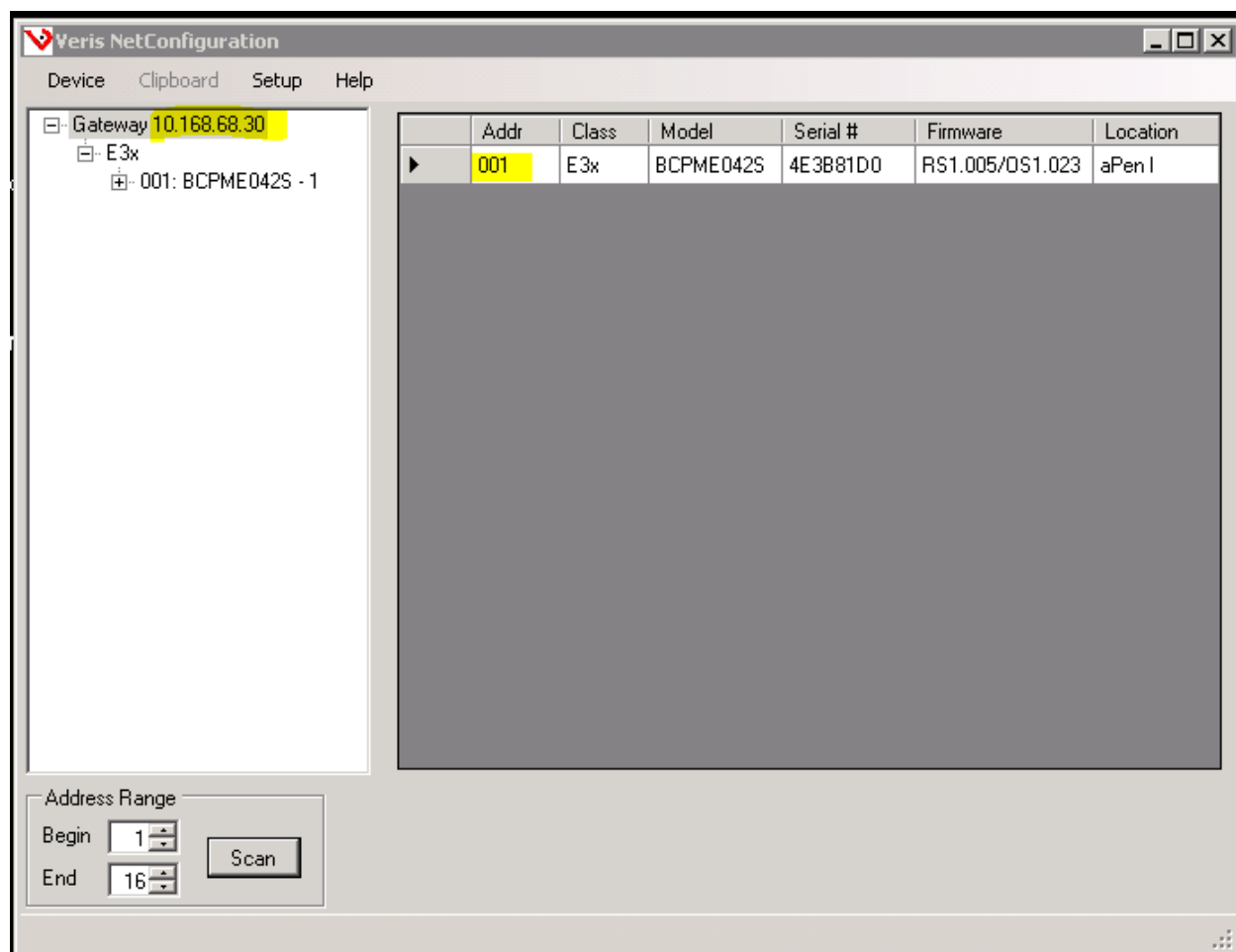
First, it is often a good idea to confirm that you are able to communicate to the meter using some kind of software tool like a simple Modbus utility (such Modbus Tester, MBMaster, Modscan, or Modbus Poll etc.), ION Setup, or NetConfig as illustrated in the following screen shots:

### (1) Scanning

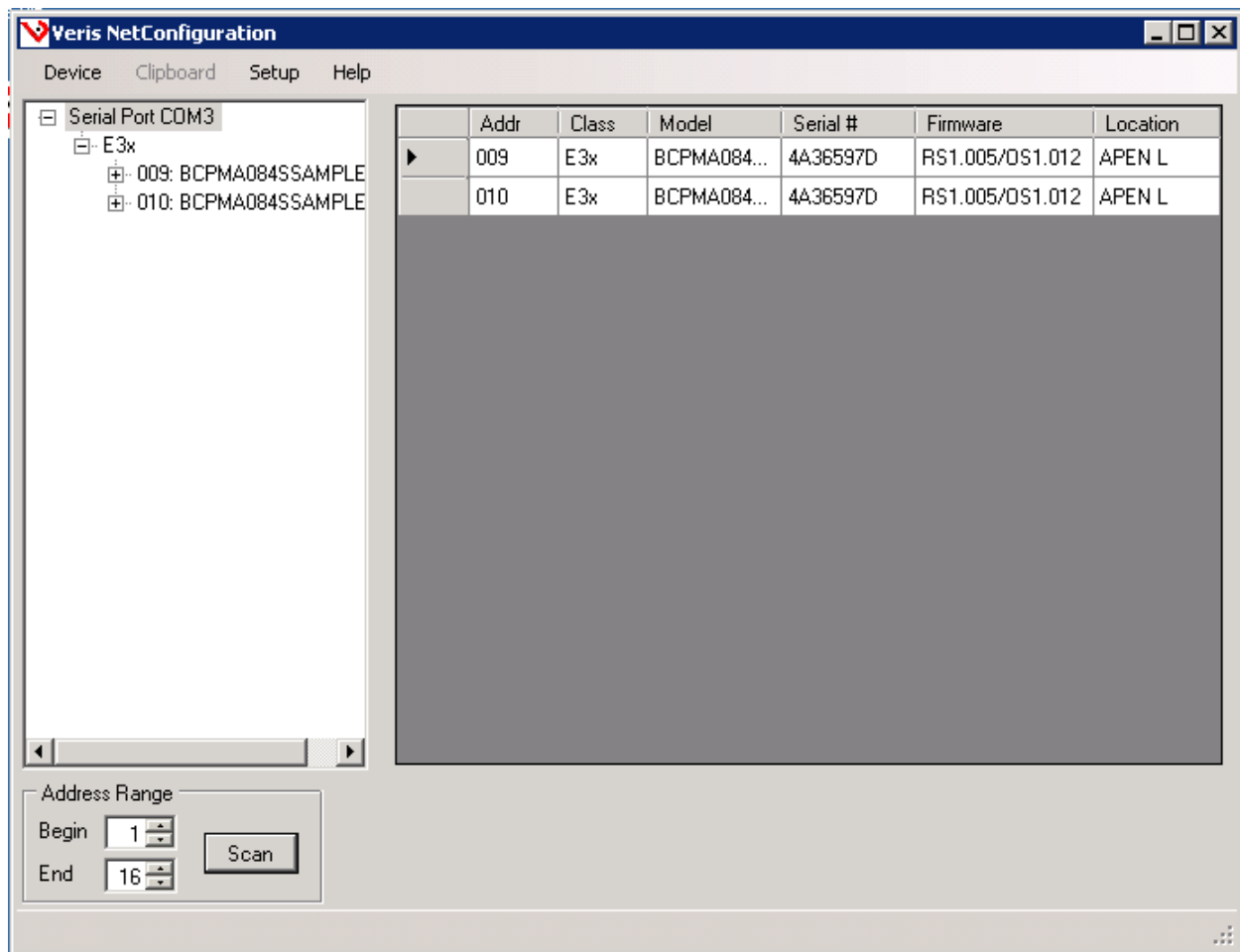
#### a. For IP based connection (Modbus TCP)



#### b. For direct serial COM port RS-485 connection



A

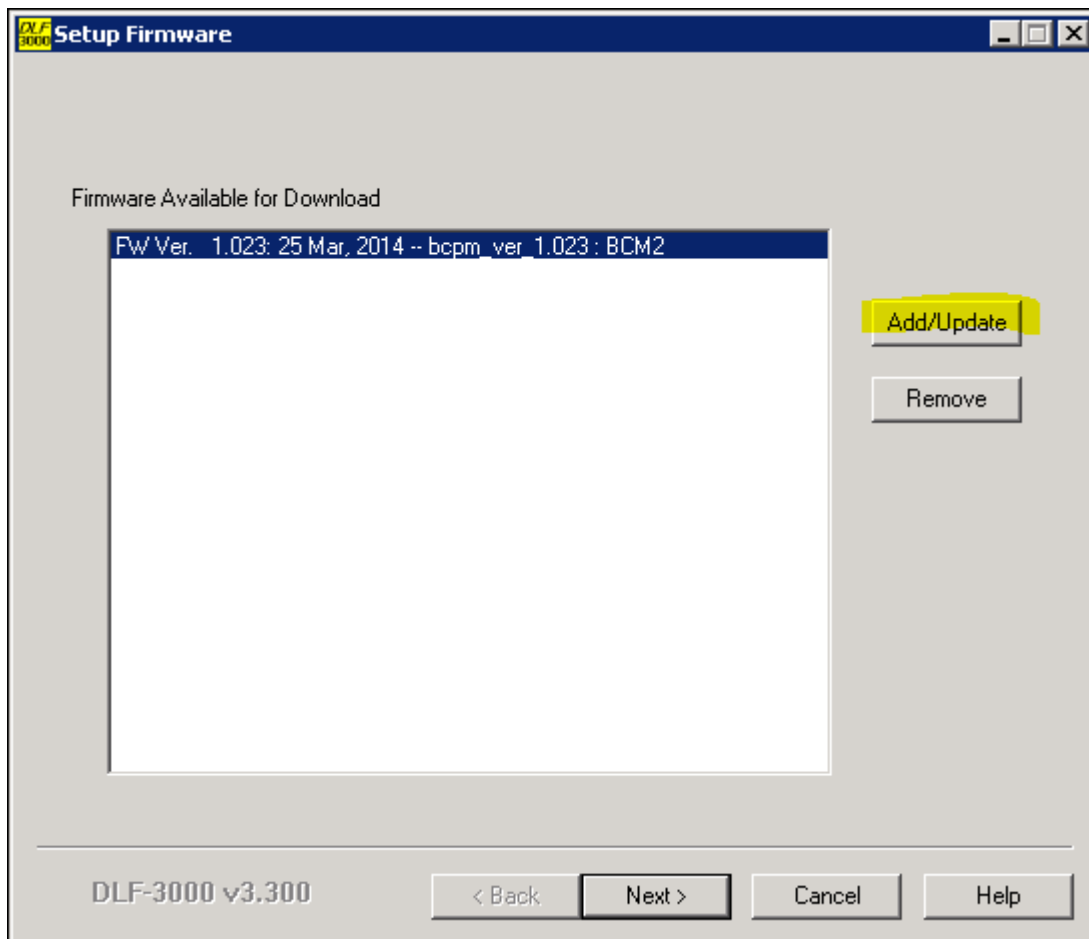


If you confident that you can successfully communicate the meter and then note the IP address and ID and get a copy of the firmware upgrade file (.fw) so that you are ready for the next steps.

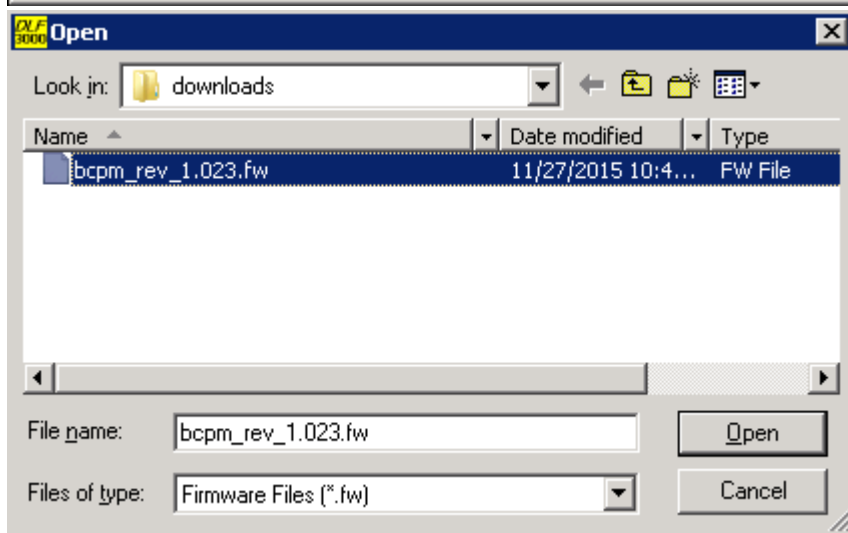
Download DLF-3000 from a Schneider site – e.g. [http://www.schneider-electric.com/ww/en/download/document/DLF3000?\\_downloadcenter\\_WAR\\_downloadcenterRFportlet\\_documentId=4646213&\\_downloadcenter\\_WAR\\_downloadcenterRFportlet\\_documentDetailsBackURL=%2Fww\\_en%2Fschneider%2Fdownloads%2Fresults%2F0%2F0%3Fau1\\_3\\_4\\_0\\_1\\_170%3DDLF3000%26keywordForm%3DDLF3000](http://www.schneider-electric.com/ww/en/download/document/DLF3000?_downloadcenter_WAR_downloadcenterRFportlet_documentId=4646213&_downloadcenter_WAR_downloadcenterRFportlet_documentDetailsBackURL=%2Fww_en%2Fschneider%2Fdownloads%2Fresults%2F0%2F0%3Fau1_3_4_0_1_170%3DDLF3000%26keywordForm%3DDLF3000)

NOTE: The version of DLF-3000 used for this document is DLF-3000 v3\_3 v2.exe .

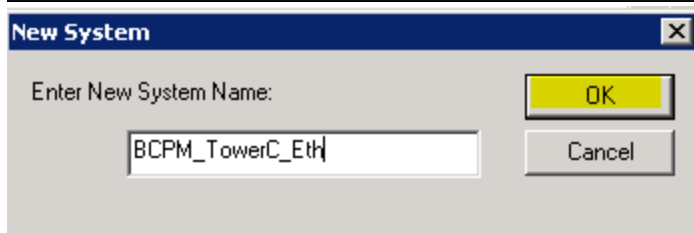
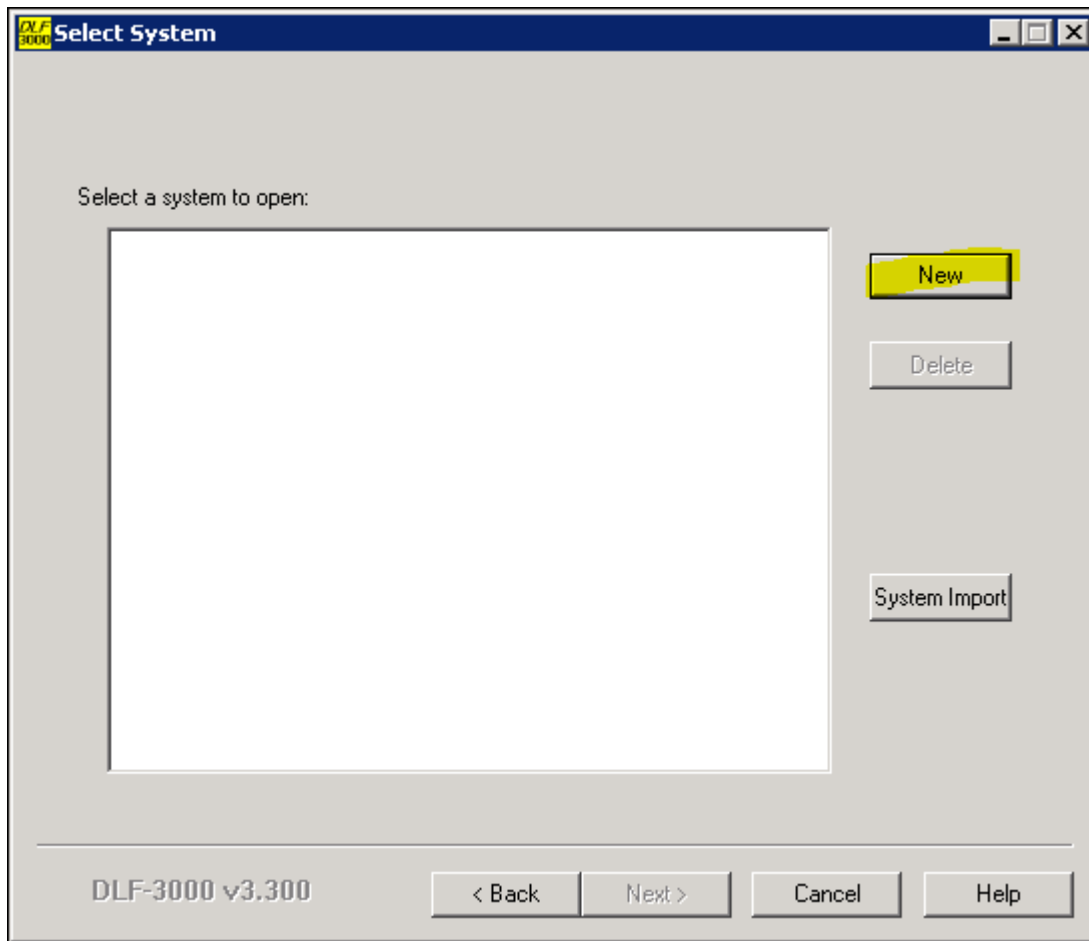
The following screen shots illustrate every step of the process in DLF3000 from start to finish:

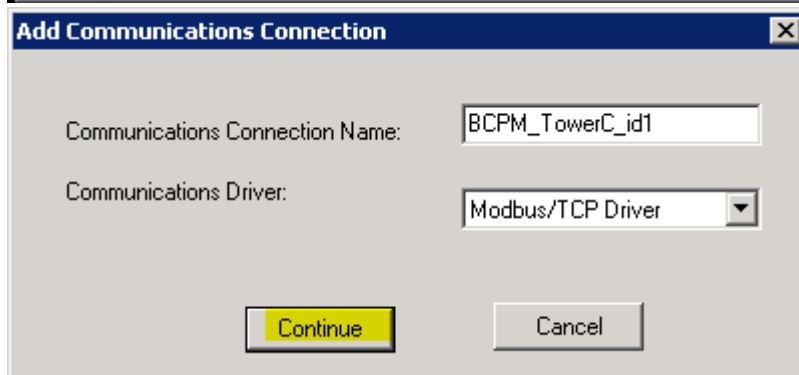
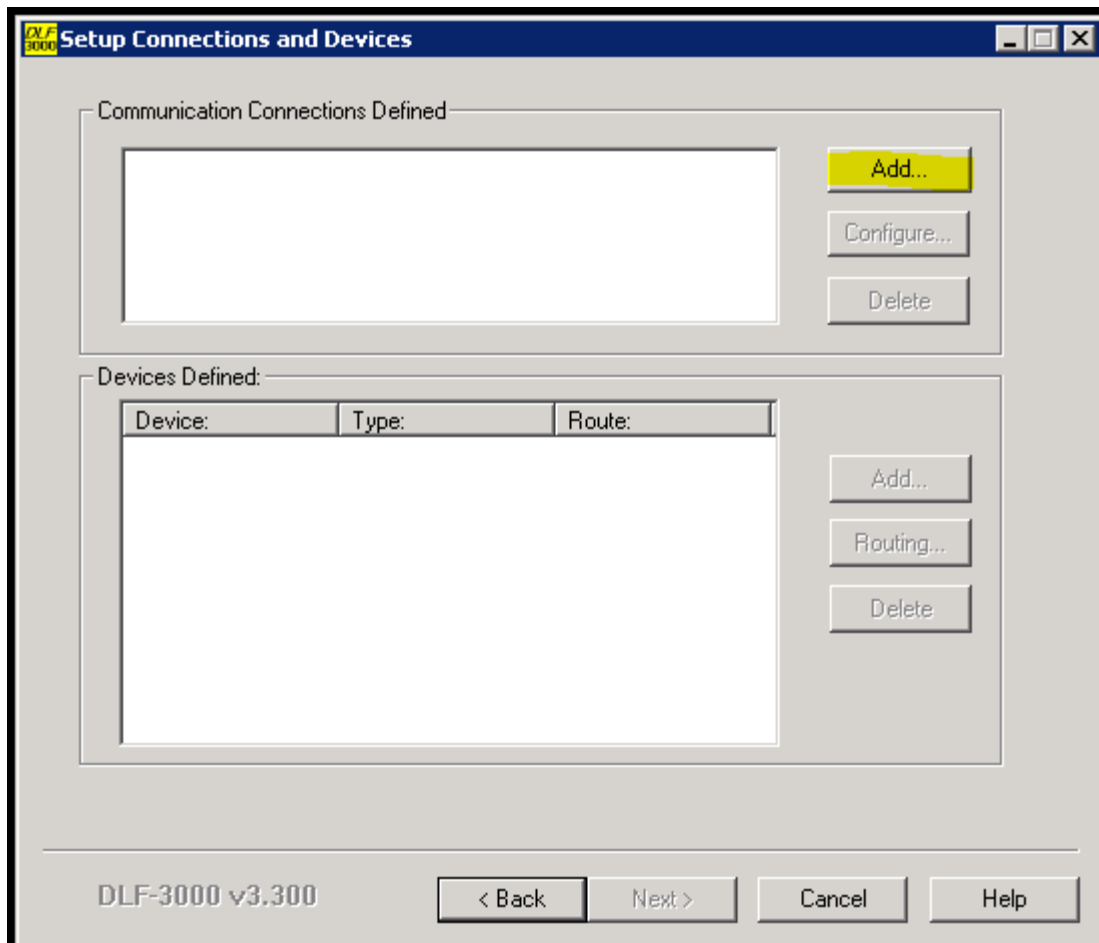


(1)



(2)





**Communications Connection - ModBus/TCP**

Communications Connection Name:

IP Address:

Timeout:  seconds Attempts:

(7)

**DLF 3000 Setup Connections and Devices**

Communication Connections Defined

Device	Type
BCPM_TowerC_id1	Modbus/TCP Driver

Devices Defined:

Device:	Type:	Route:
---------	-------	--------

DLF-3000 v3.300

(8)

**Add Device** [X]

Device Name:

Device Type:

Connection Name:

(9)

**ModBus/TCP Device Route** [X]

Comm Connection Name:

Device Address:

Protocol:

---

(10)



**DLF 3000** Setup Connections and Devices

Communication Connections Defined

Device	Type
BCPM_TowerC_id1	Modbus/TCP Driver

Add...  
Configure...  
Delete

Devices Defined:

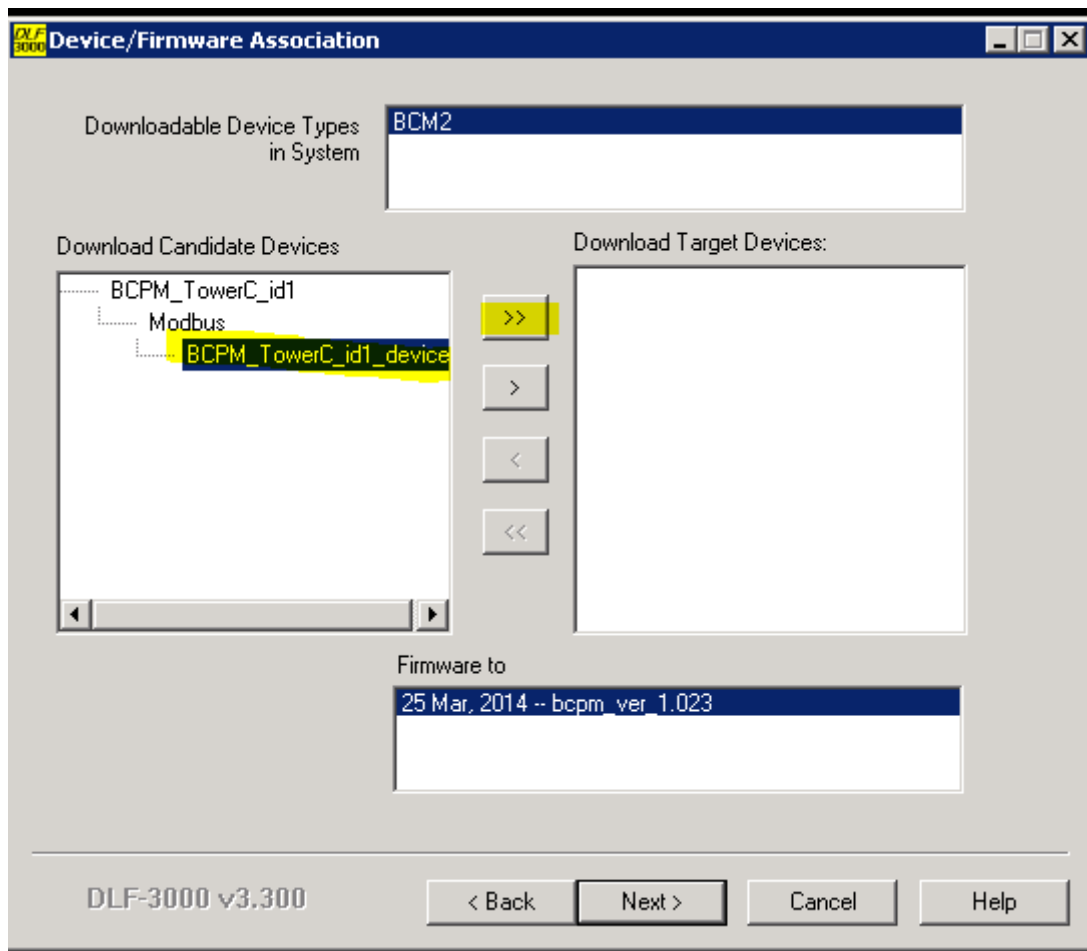
Device:	Type:	Route:
BCPM_TowerC_id1...	BCM2	1 / Modbus / BCP...

Add...  
Routing...  
Delete

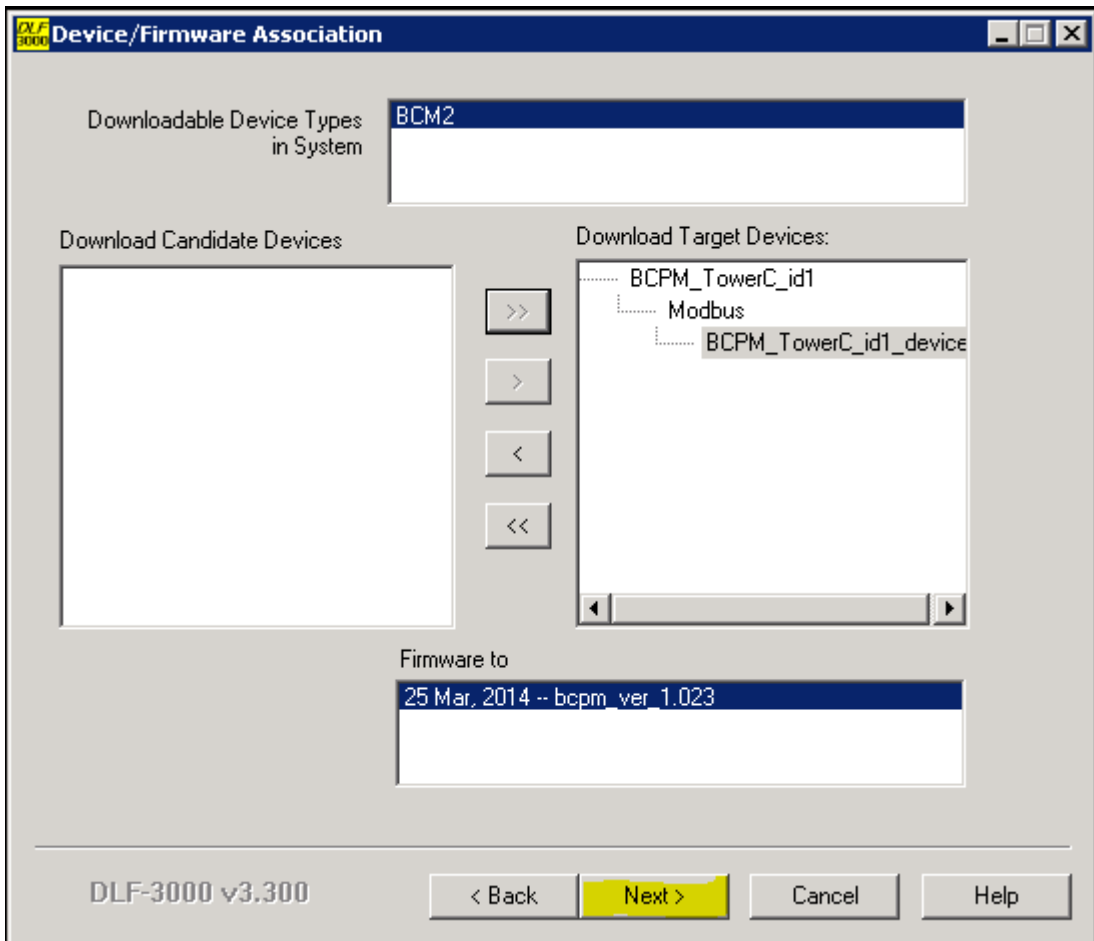
DLF-3000 v3.300

< Back   **Next >**   Cancel   Help

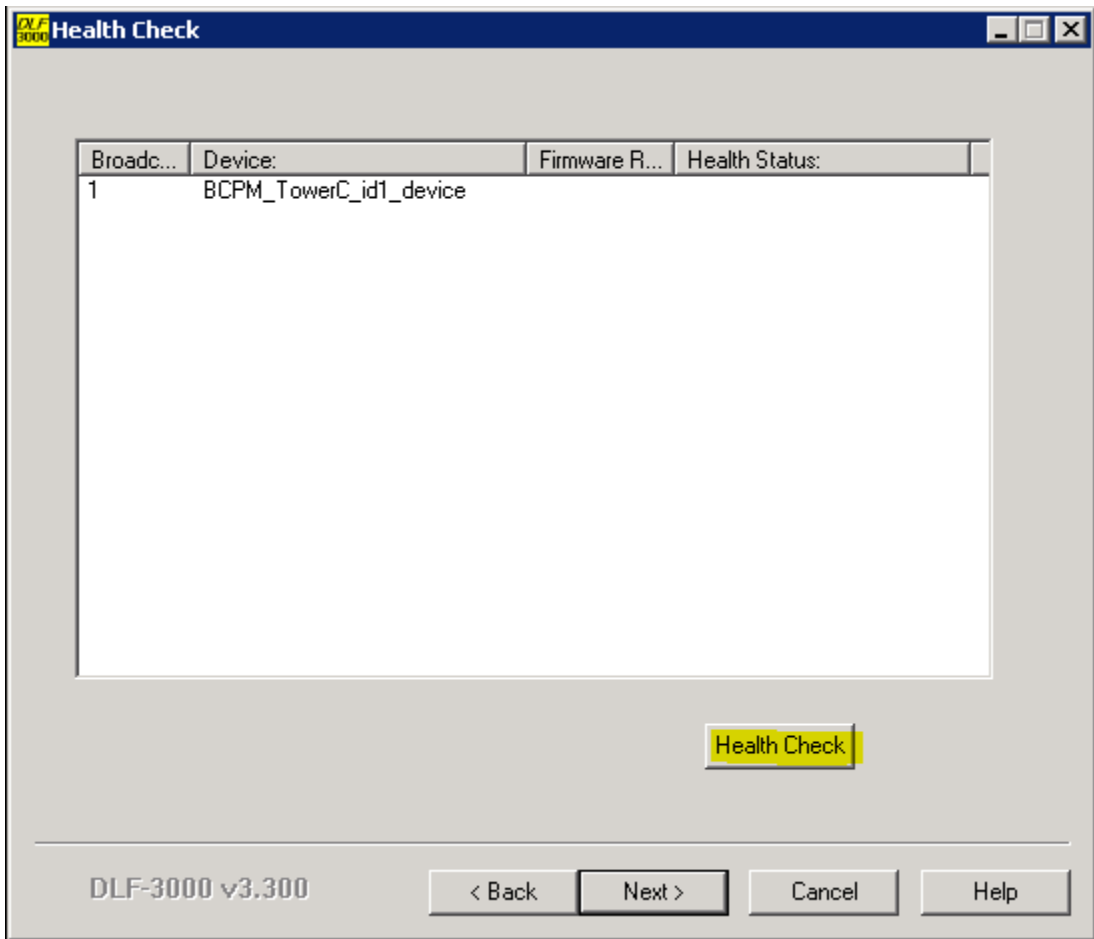
(11)



(12)



(13)



(14)

DLF-3000

Health Check

Broadc...	Device:	Firmware R...	Health Status:
1	BCPM_TowerC_id1_device	1.023	Passed

Health Check

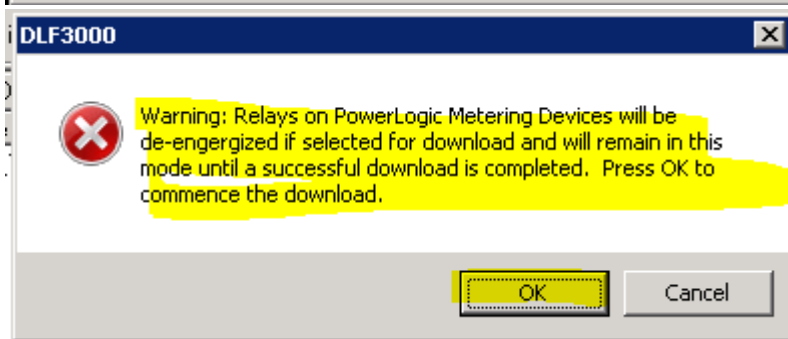
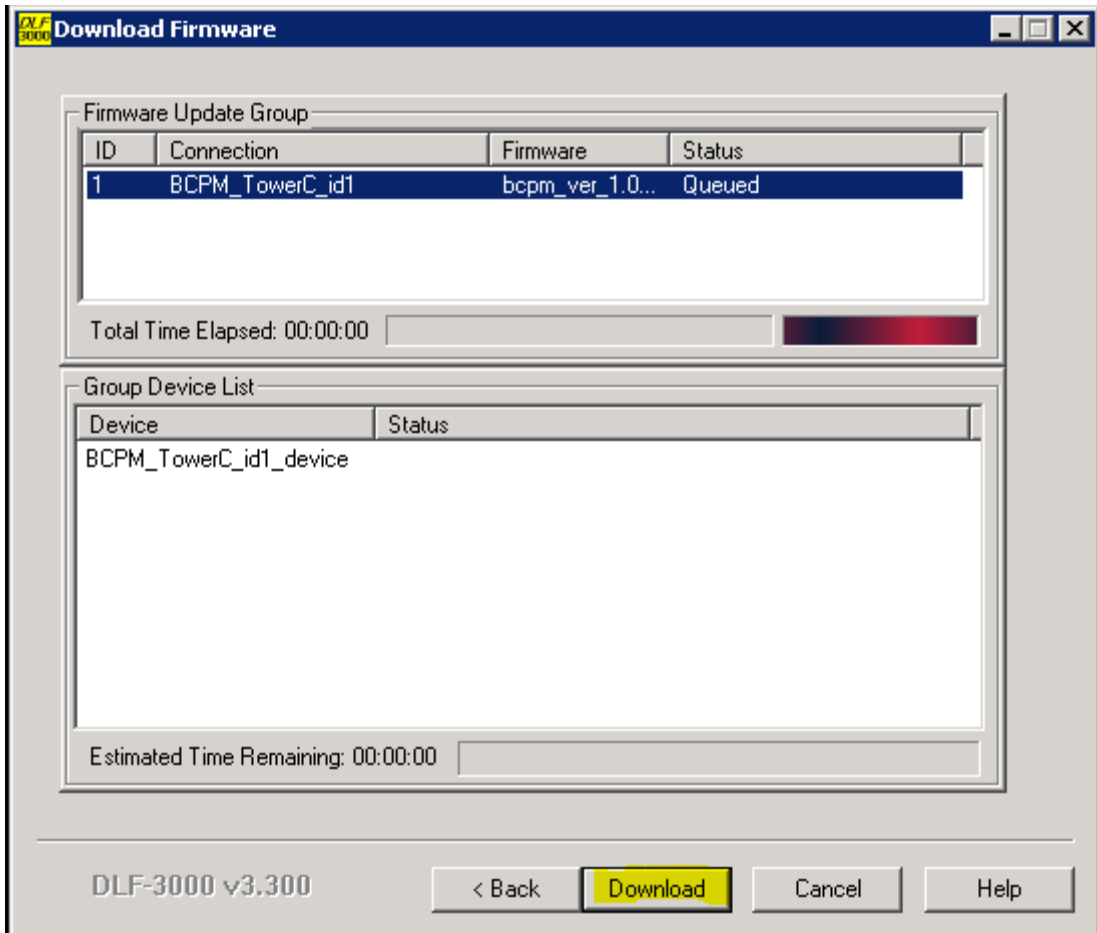
DLF-3000 v3.300

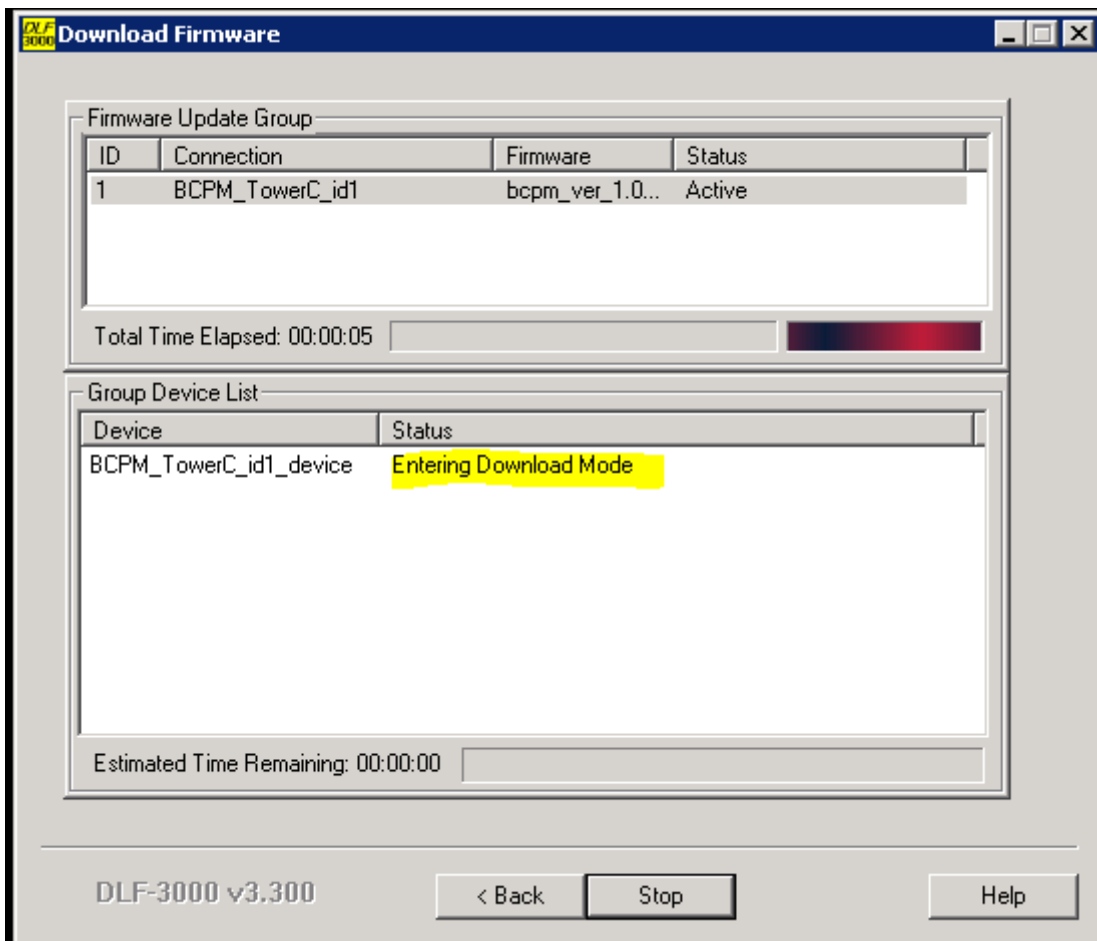
< Back

Next >

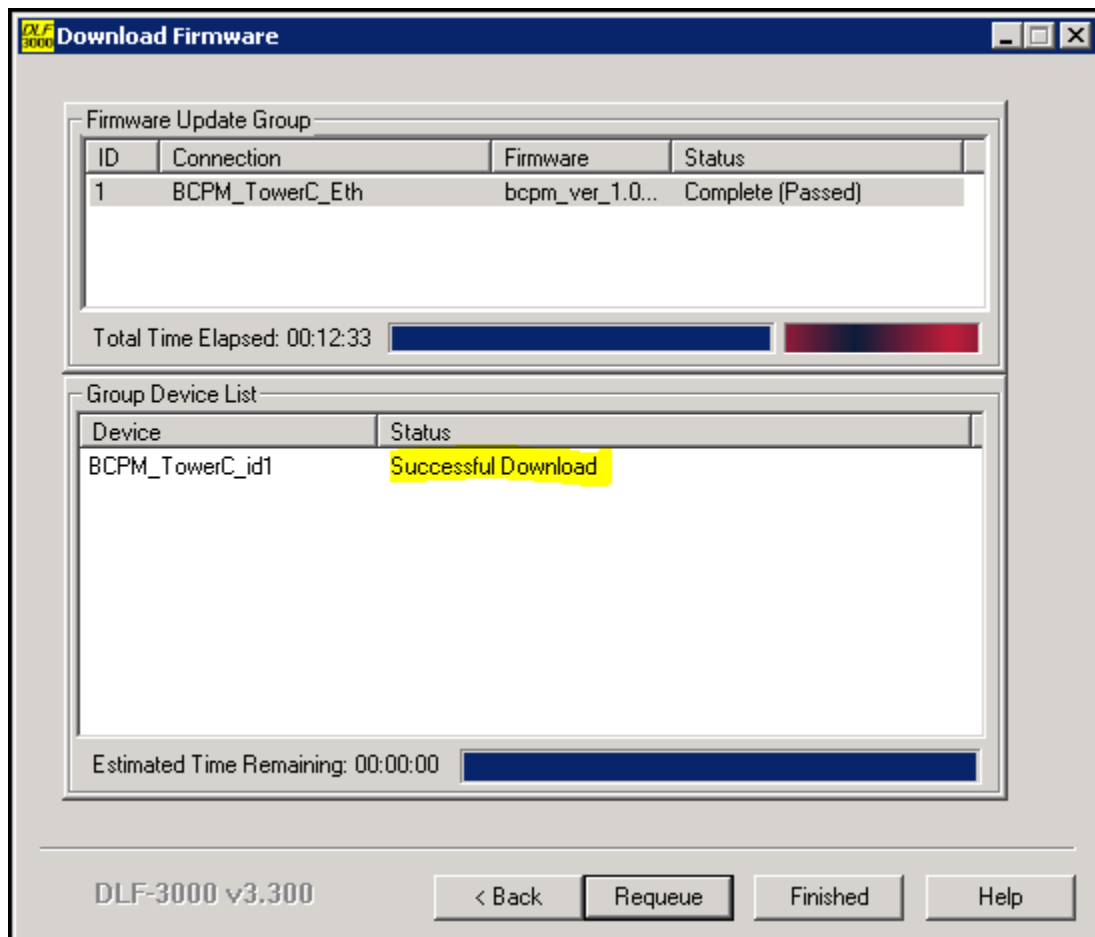
Cancel

Help





(17)



(18)

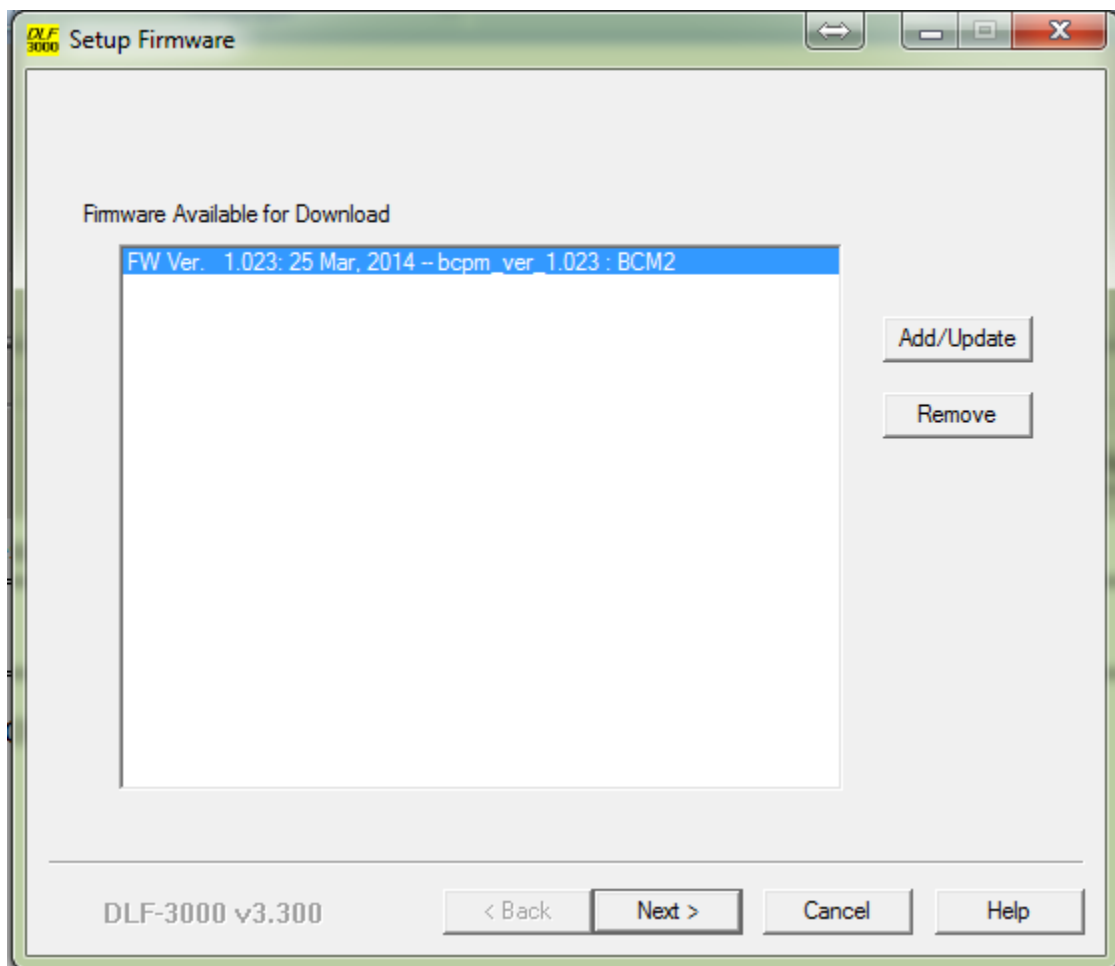
(19) Process completed so press "Finished" to end the session with the software.

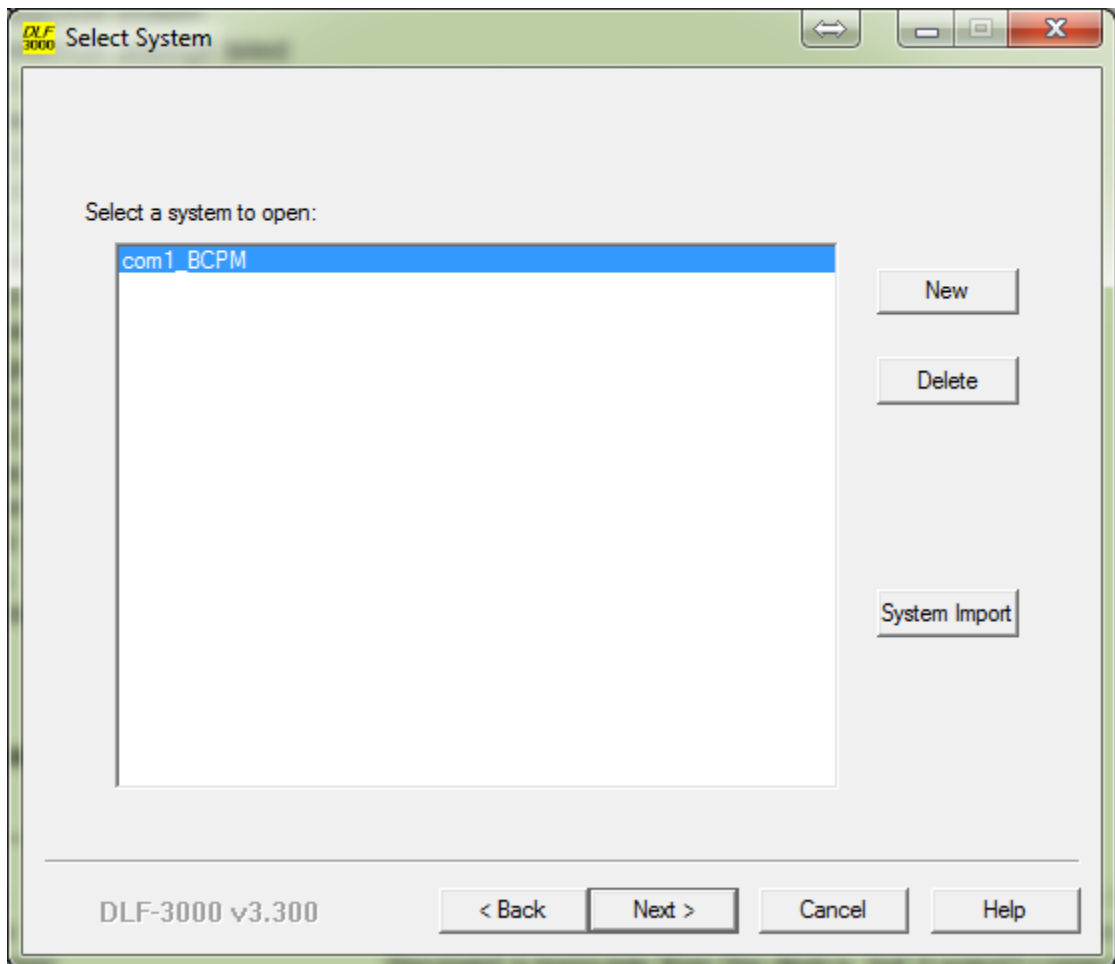
---

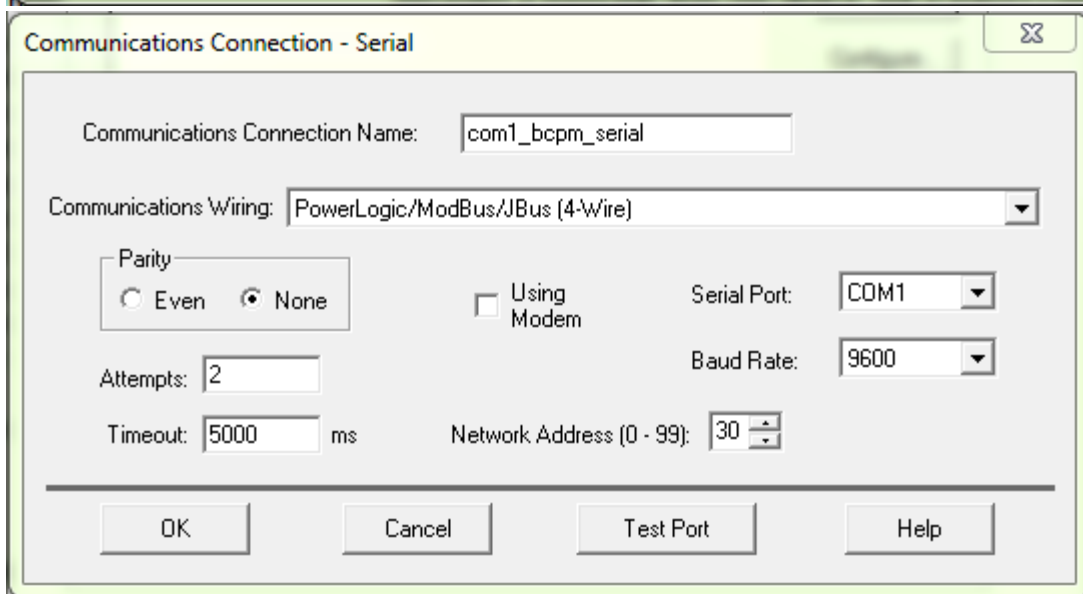
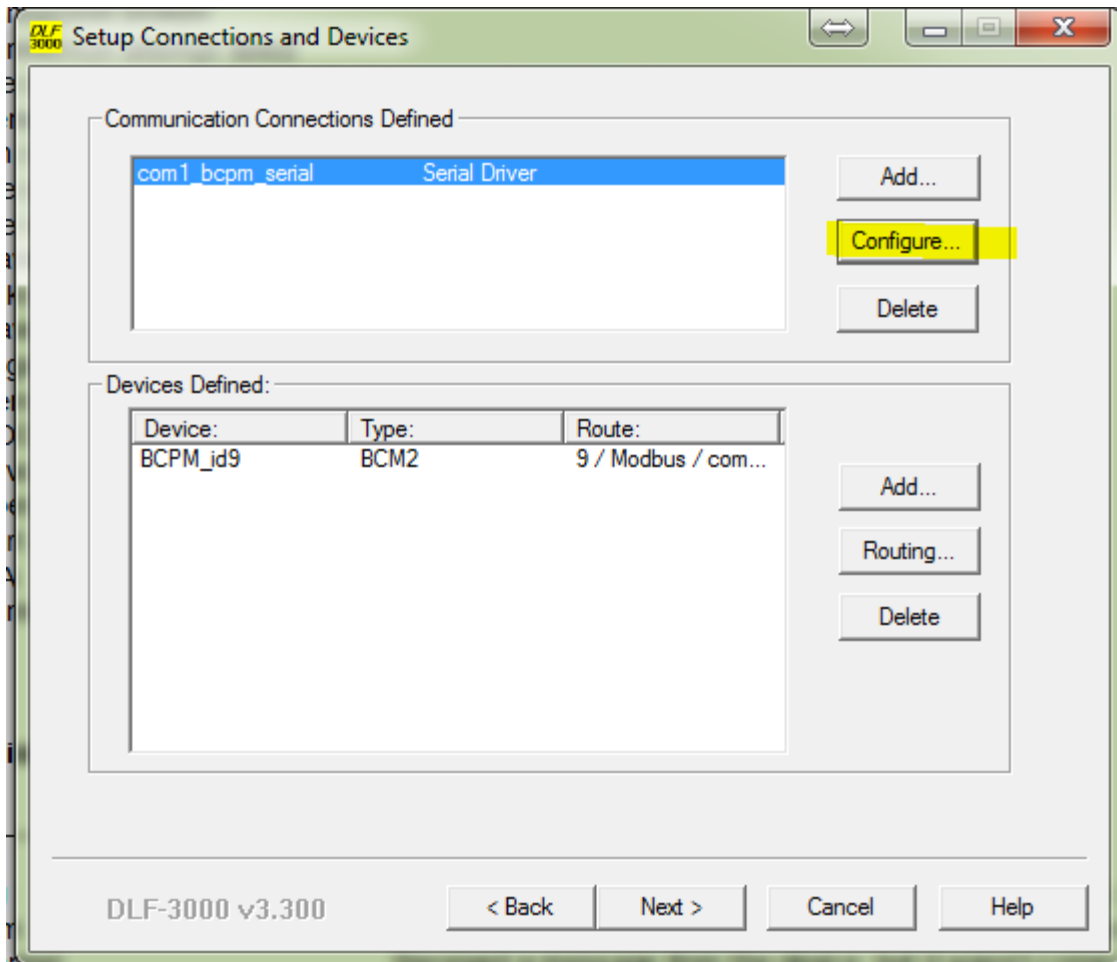


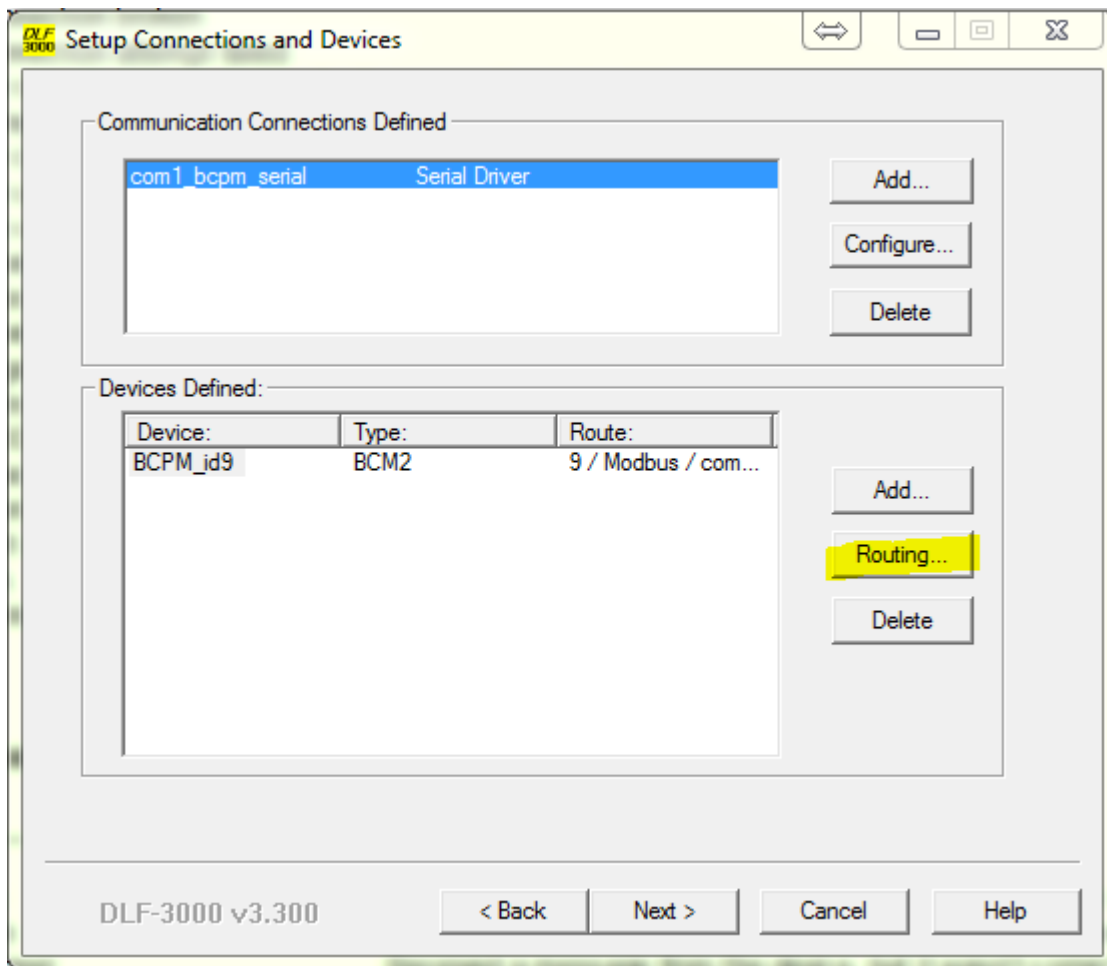
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### Upgrade via COM port RS-485

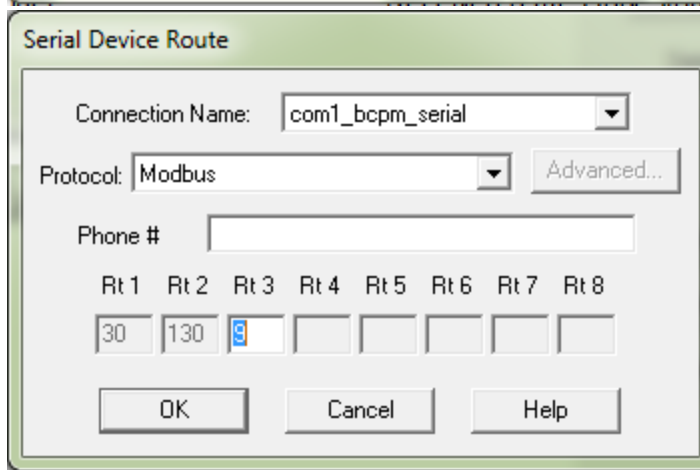




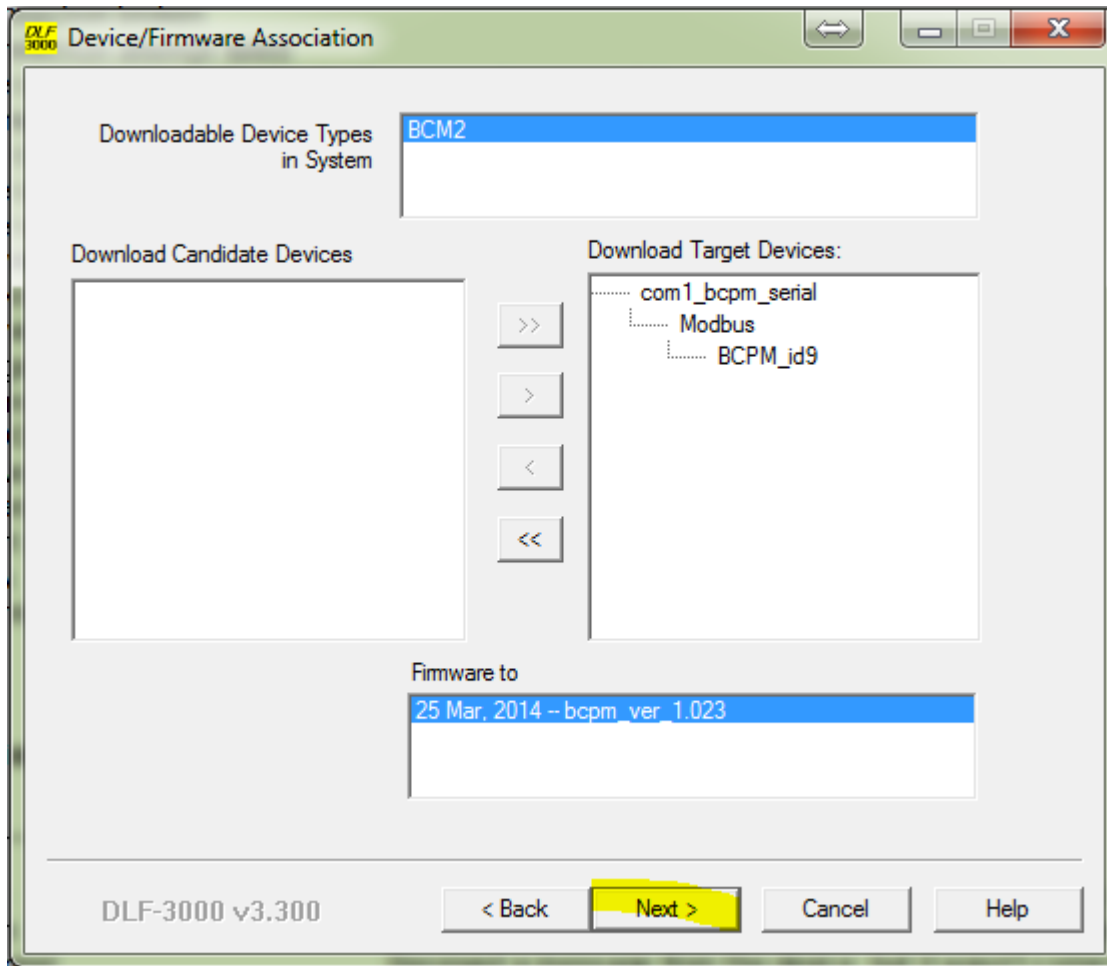




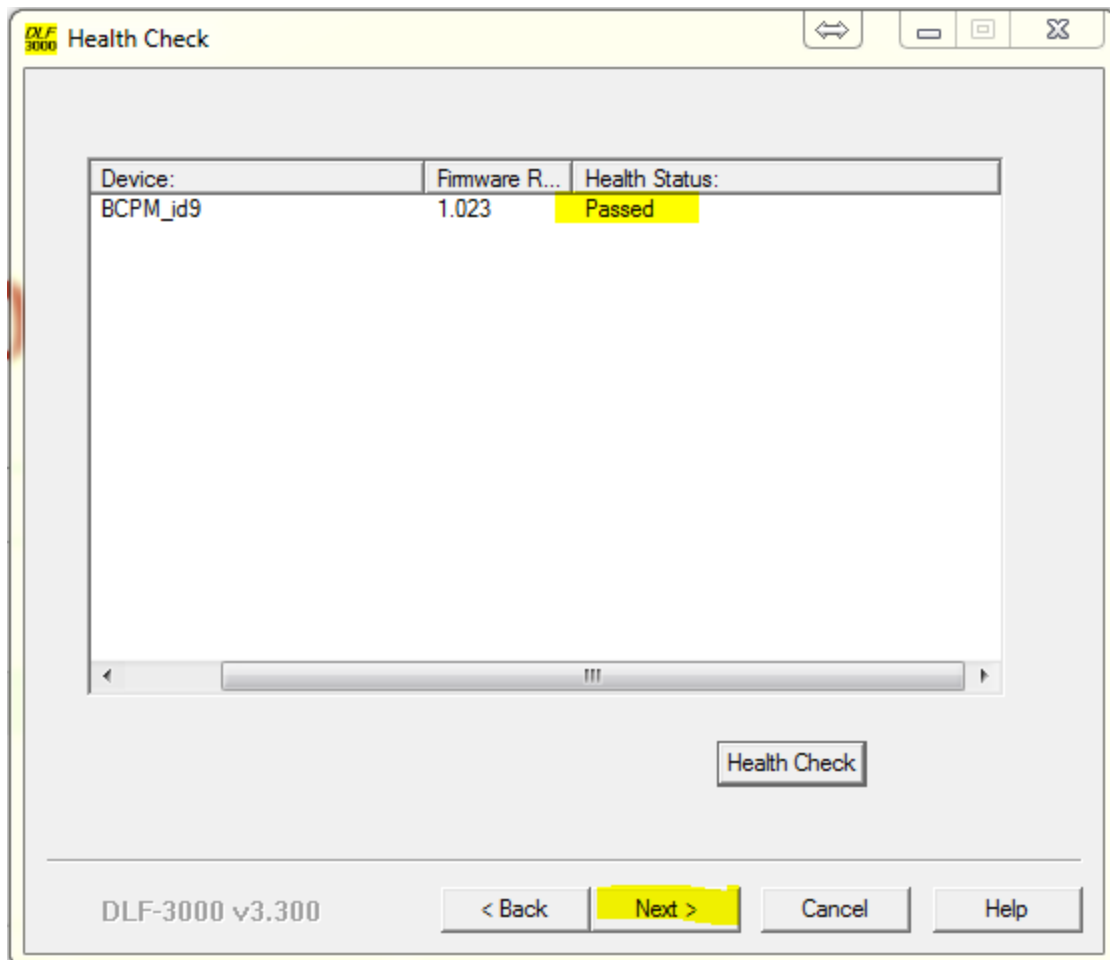
(5)



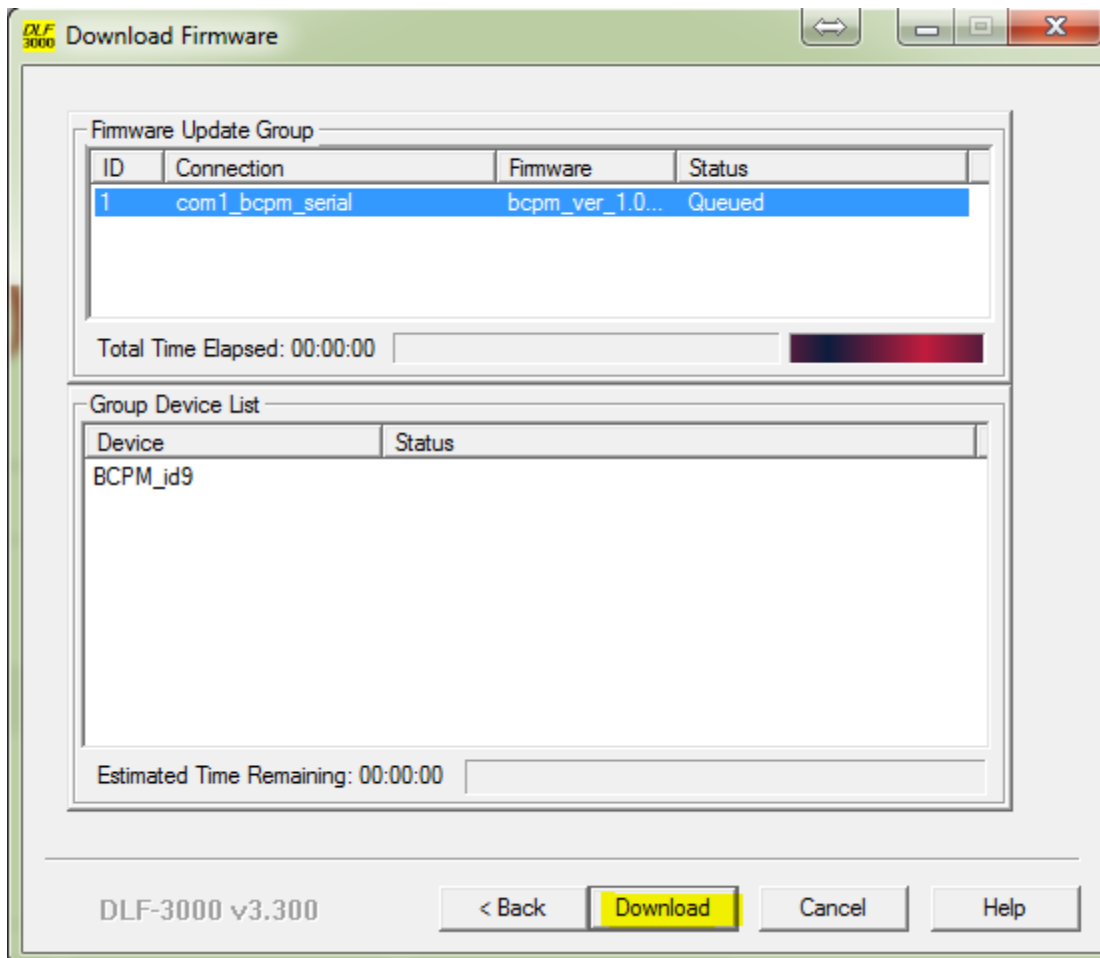
(6)



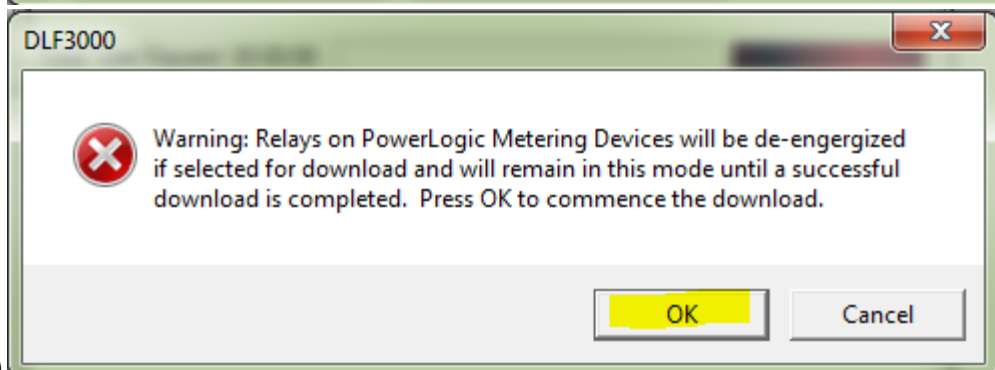
(7)



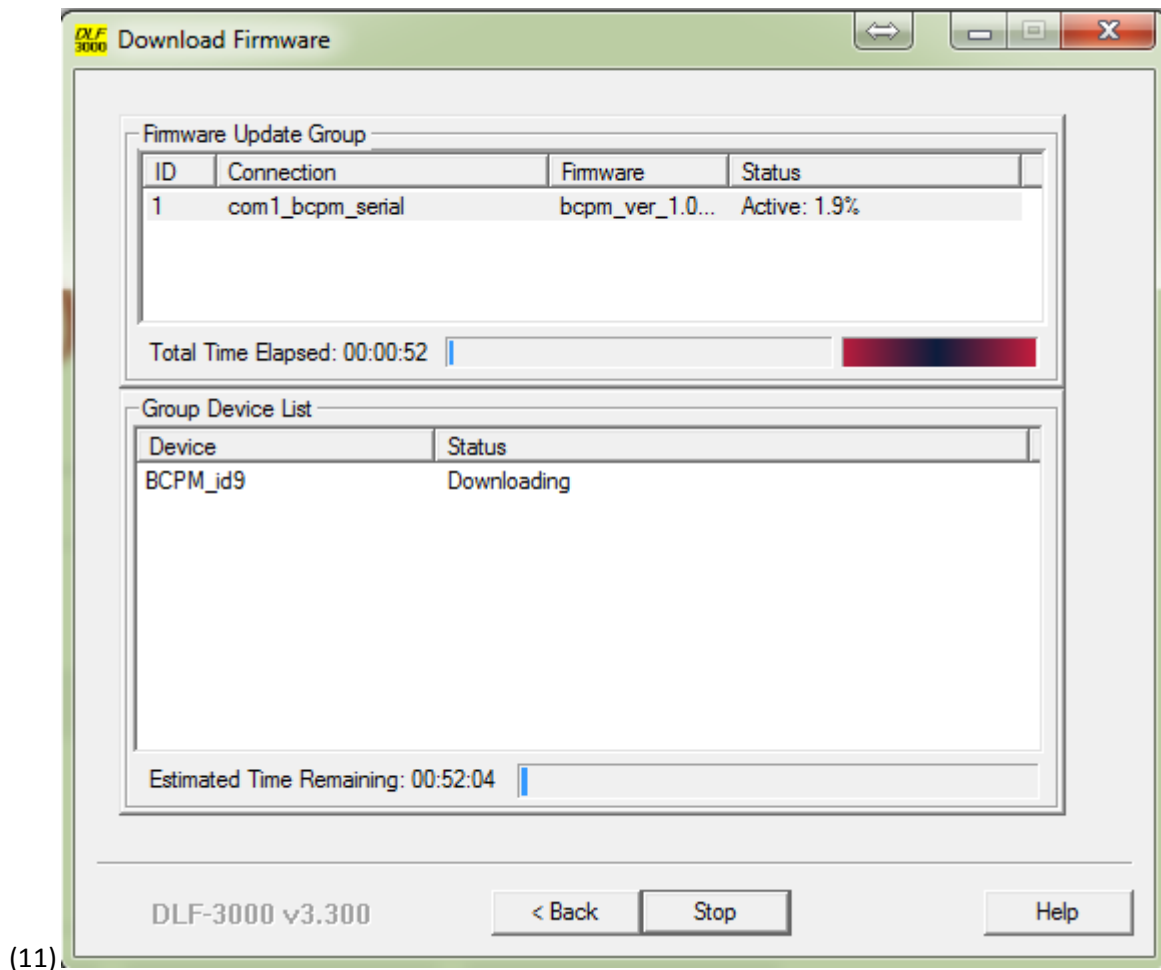
(8)



(9)



(10)



## Appendix

### Possible errors:

Error 606 which corresponds to “device not responding” according to the guide in FA232730. This has been associated with the use of virtual COM ports in place of real hardware ports. Root cause of this is unknown.



DLF  
3000

Health Check

Broadc...	Device:	Firmware R...	Health Status:
1	BCPM_TowerD_id9		Device Error = 606

Health Check

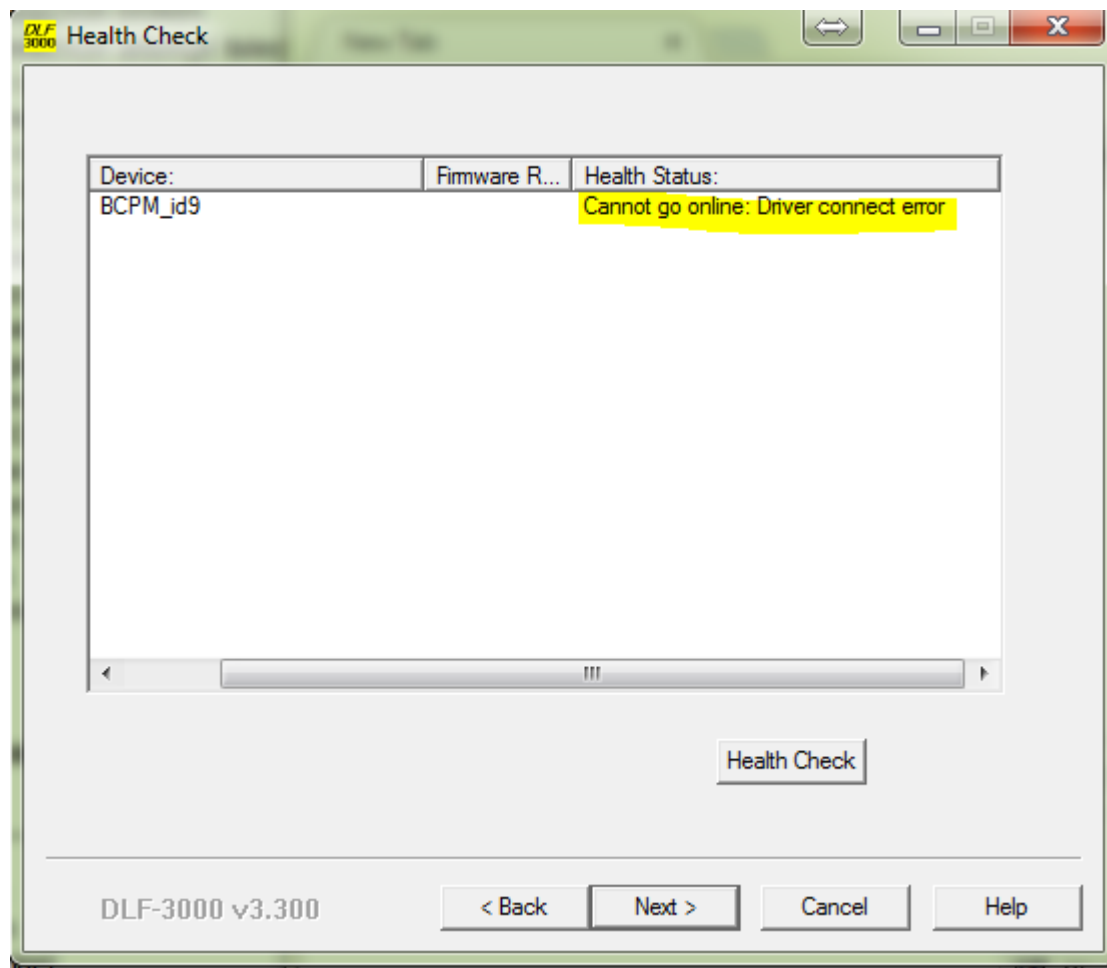
DLF-3000 v3.300

< Back

Next >

Cancel

Help



Cannot go online: Driver connect error.

This error appears to occur when the COM port is in use by another application. Resolution: close down other applications that may be using the COM port and then try again. Double instances of DLF-3000 will also cause this.