

## TecNote 1011 - Installing Software in a Naztec ATC Controller via the USB Port

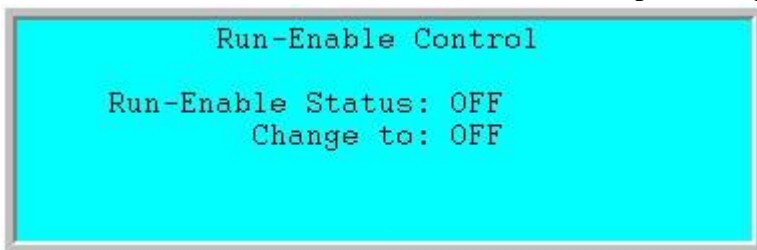
The purpose of this TechNote is to assist the user in installation of the V76 or V80 software on a Naztec ATC Controller or a 2070-1C Module via the USB Port.



### Setup for the installation of Software

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- 1) Do not insert the USB Memory drive in the ATC at this time.
- 2) You must disable the Run Timer at MM->1>7 prior to updating the software.



- 3) Navigate to MM->8->9 to remove software.

```
      Login and Utilities
1.Login      4.Init DBase 7.Clear Fault
2.SetAccess 5.ImageUtils 8.Reserved
3.FlashUtils      9.Remove Softwr
```



```
•WARNING WARNING WARNING WARNING WARNING
The software will be completely removed.
This will take a few minutes.

Enter the Code (7250):0000

WARNING WARNING WARNING WARNING WARNING
```

or


```
[WARNING WARNING WARNING WARNING WARNING
The software will be completely removed.
This will take a few minutes.

Are you sure? NO
```

4) If requested, enter the code **7250** or toggle to **YES** and hit enter.

```
•WARNING WARNING WARNING WARNING WARNING
The software will be completely removed.
This will take a few minutes.

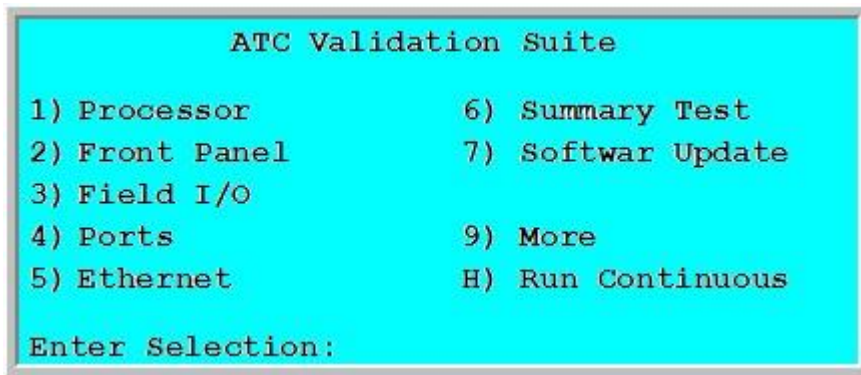
Enter the Code (7250):7250
```



```
[WARNING WARNING WARNING WARNING WARNING
The software will be completely removed.
This will take a few minutes.

Are you sure? NO
```

- 5) Wait approximately 1 minute once the software is removed, the screen will display the Linux overview screen and then display the ATC Validation Suite menu as shown below.



## USB 2.0 Directory Structure

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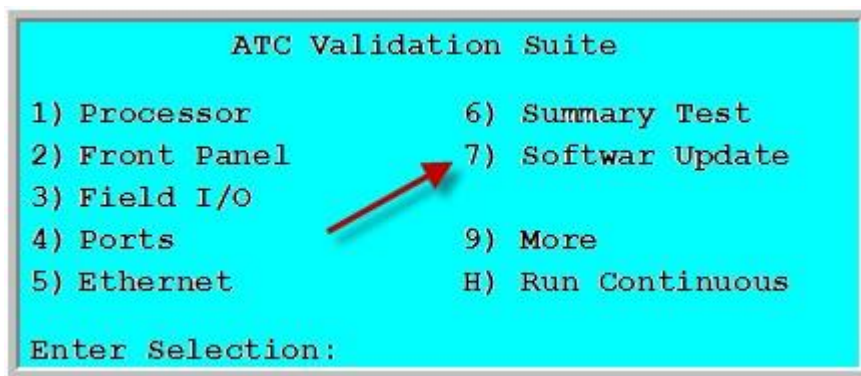
- 1) Your USB Memory drive **MUST** have a directory named *naztec* on the root (note that the directory name is case sensitive).
- 2) Copy the program file called **control.zip** (or **apogee.zip for versions older than V76\_12**) into this directory. You can receive this file from your Trafficware representative.
- 3) USB 2.0 devices vary by manufacturer. Valid USB 2.0 drives tested by Trafficware include **Kingston DT101 G2 8GB USB, Lexar 8GB, Lexar 16GB and Toshiba U2M 8GB USB.**

## Updating the ATC Linux Operating System

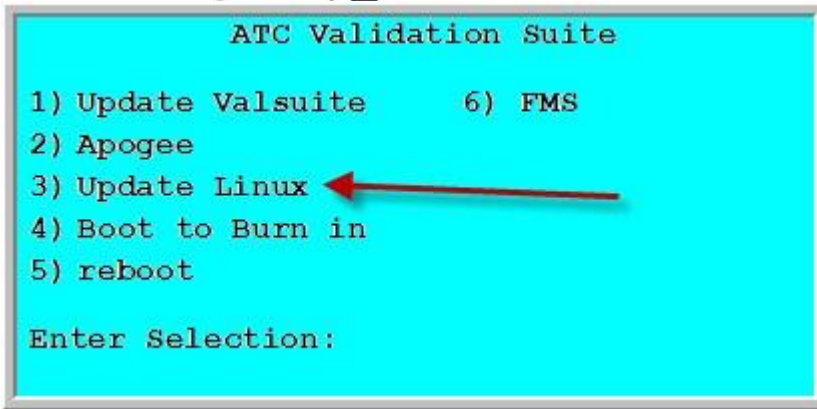
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**NOTE: If you are not updating the Linux Operating system skip immediately to the next section!**

- 1) From the ATC Validation Suite Menu choose **7) Softwar Update**.



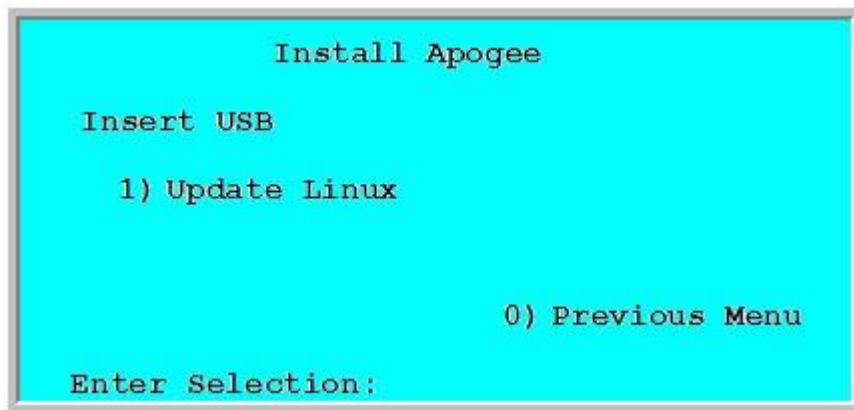
- 2) The following screen will be displayed. Choose **3) Update Linux** to update the controller's Linux Operating System.



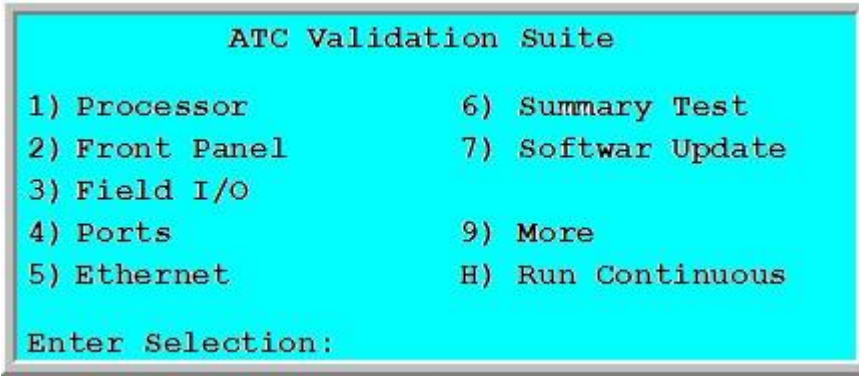
3) You will see the screen below. At his point insert the USB Key.



4) You will now be able to choose **1) Update Linux** to Update the Linux operating system on the ATC.



5) The process of updated the Linux Operating system taked about 1 minute. When completed you will be brought back to the ATC Validation Suite Menu.



**WARNING      WARNING      WARNING      WARNING      WARNING**

The user must **NOT** remove the USB Memory device during the Linux Operating System Update process !

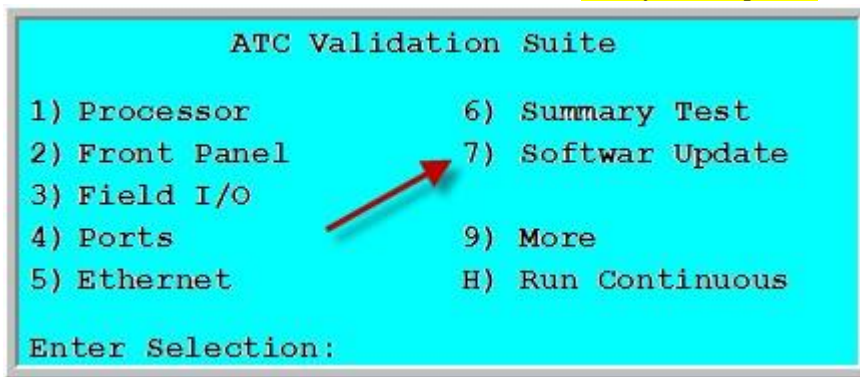
**WARNING      WARNING      WARNING      WARNING      WARNING**

## Updating the ATC Valsuite System

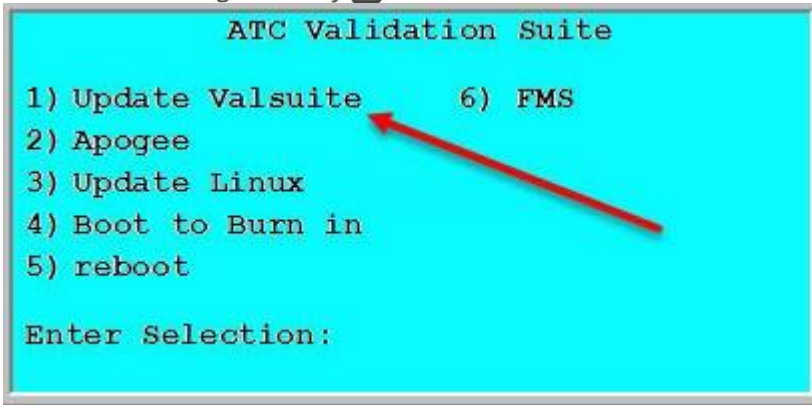
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**NOTE: If you are not updating the Validation Suite skip immediately to the next section! This step is necessary when installing the file control.zip**

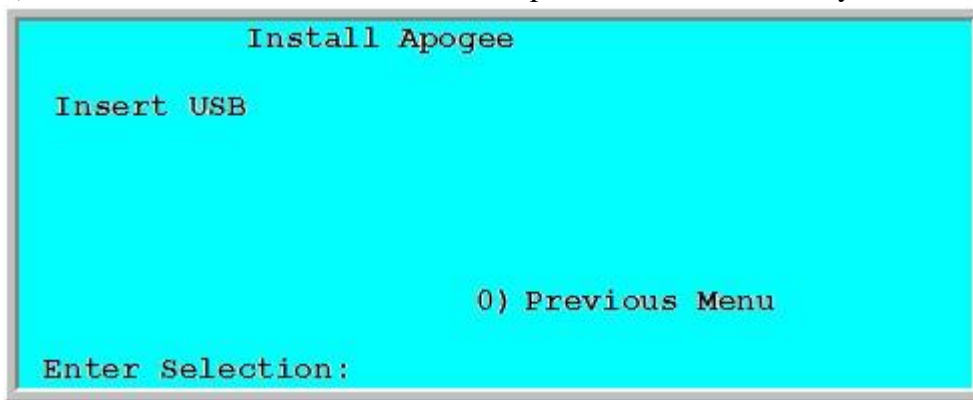
1) From the ATC Validation Suite Menu choose **7) Softwar Update**.



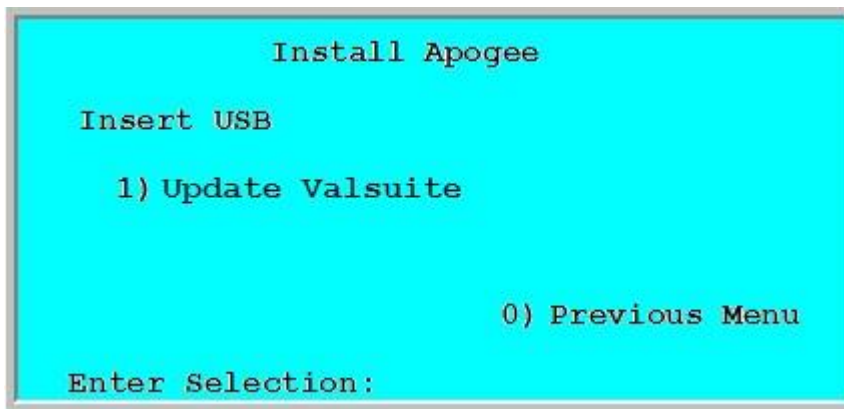
2) The following screen will be displayed. Choose **3) Update Linux** to update the controller's Linux Operating System.



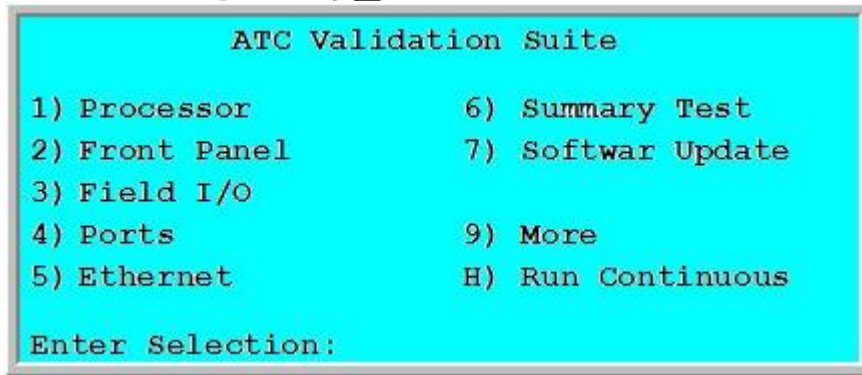
3) You will see the screen below. At this point insert the USB Key.



4) You will now be able to choose **1) Update Valsuite** to Update the Linux operating system on the ATC.



5) The process of updating the Valsuite system takes about 1 minute. When completed you will be brought back to the ATC Validation Suite Menu.



**WARNING      WARNING      WARNING      WARNING      WARNING**

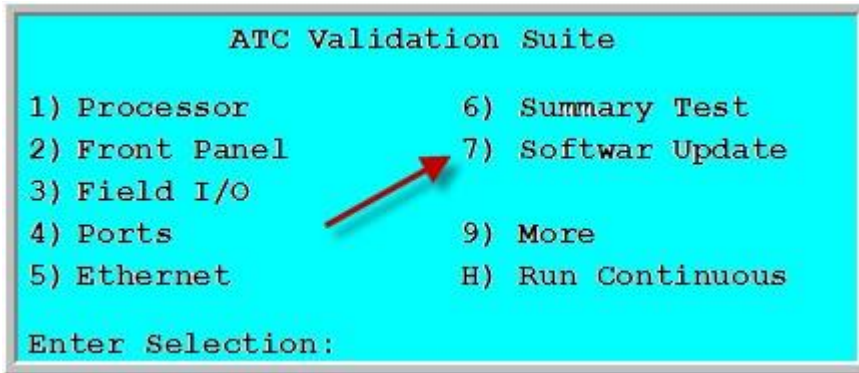
The user must **NOT** remove the USB Memory device during the Linux Operating System Update process !

**WARNING      WARNING      WARNING      WARNING      WARNING**

## Programming the ATC Traffic Control software

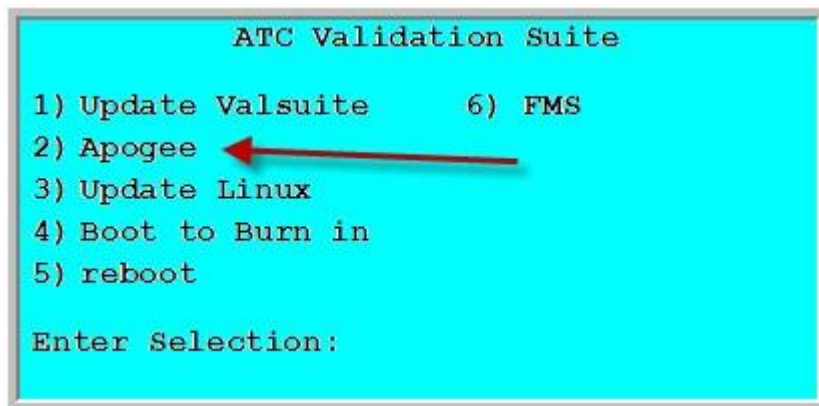
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1) From the ATC Validation Suite Menu choose **7) Softwar Update**.

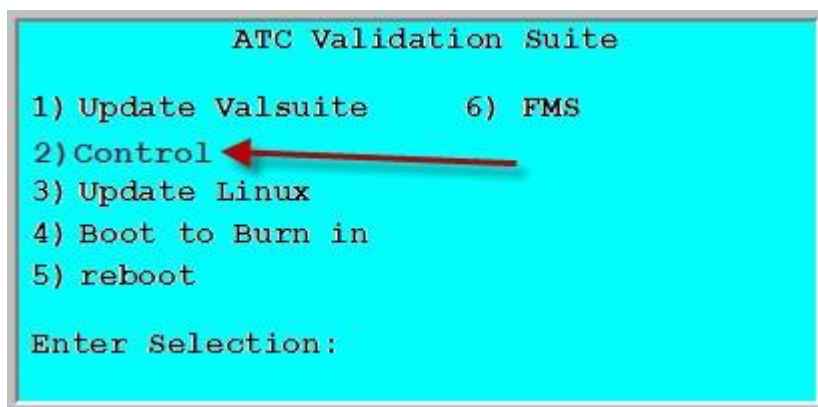


2) If you are installing the file called Apogee.zip then you need to verify that the following screen is displayed.

If it is displayed then choose **2)Apogee** to update the controller software in the ATC.



However if the screen displays **2) Control** then the file **Control.zip** must be used to update this controller as shown below



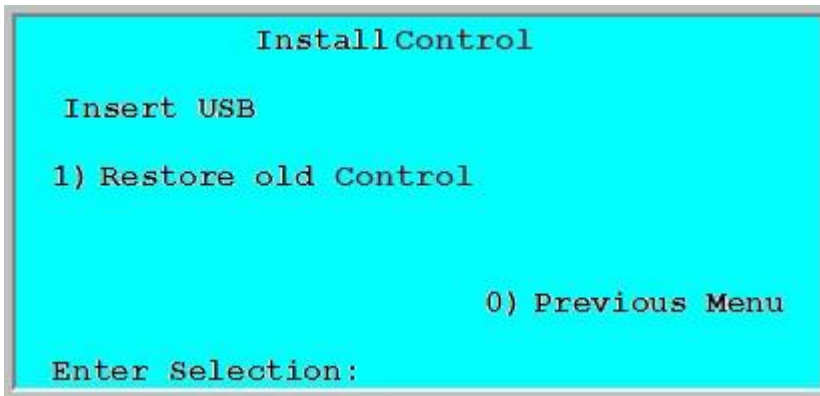


**Do Not Try to rename the file to match the Valsuite....** If you need assistance, please contact from Trafficware representative.

3) The following Menu is displayed.



Or

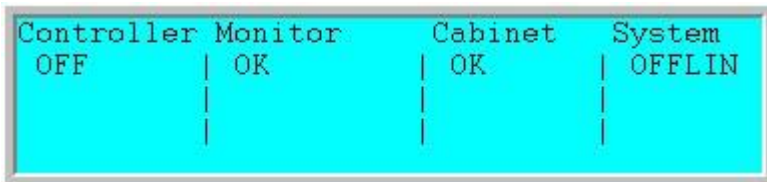


3) Install your USB Memory Device and the Menu should now display the following:



4) Enter selection number 2. You should notice that the "ACTIVE" LED on the front Panel should blink a couple of times and then the ATC controller will reboot after installing the new version of Apogee.

5) Once completed you should see the Overview screen followed by the software description screen as shown below.



```
Naztec Intersection Control  
  
Version: 76.3B Build 2888  
Modules: Local  
  
(c) Naztec, Inc. 12/08/11 08:52:58
```

**WARNING      WARNING      WARNING      WARNING      WARNING**

**The user must wait a minimum of 60 seconds prior to powering off the ATC Unit aftering updating the software!**

**WARNING      WARNING      WARNING      WARNING      WARNING**

## **Summary**

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By following the steps above, you can update your ATC Software simply with a USB Memory device.