***INSTRUCTIONS***

***FOR IMPORTING THE POWER SUPPLY CONTROL MODULE***

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# Ch. 1 - How to import in CANoe

Here is described, step by step, *the instructions for importing* the power supply control module(see the folder below, where the resources are) in order to facilitate the whole procedure. This module is part of the project entitled *“Development of User Interface to Digital Control Programmable Power Supplies”*.

So, let’s begin! :)

## Insert the network node PS\_2023

A network node can be inserted in the Simulation Setup window.

* 1. Open the Simulation Setup by clicking on Simulation -> double click on Simulation Setup.

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* 1. In the left part of the window, which has just opened, there is “Networks” and by extending it, will be seen “CAN” and “LIN Networks”. Go to CAN, extend it and “Nodes” can be seen now.

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* 1. Right-click on “Nodes” and choose the 6th option called “Insert…”.

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* 1. Choose “**PS\_2023**”, which is a CAN file, from: project PS\_2023 -> to\_importand click “Open”.

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or save the file below in a folder and re-do the 1.4. step:



* 1. After the network node named “PS\_2023” was inserted, double click on it to make sure that the code behind it it’s there. The code will apear in Vector CAPL Browser and it should look like the one below:

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As seen, some red highlights appeared in the code, regarding some variables. Those variables are called system variables and they are highlighted because they’re not defined yet in CANoe and the CAPL code doesn’t know from where should it take them. So, let’s define them or better says, import the system variables.

## Import the system variables

* 1. Go back in CANoe and click on Environment -> System Variables.

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* 1. After clicking on System Variables, a window will be displayed. Click on the button “Import from File”.

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2.3. Choose “**system\_variables**” from: project PS\_2023 -> to\_importand click “Open”.

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or save the file below in a folder and re-do the 1.4. step:



2.4. Click first “Apply” and then click “OK”.

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Now if you go once again on Environment -> System Variables**,** you’ll see the system variables package your code and panel need. In order to see every system variable individually, press the arrow as shown below:

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After this, in the CAPL script, the red highlights have dissapeared. Compile the code. You should have no errors.

Now is missing just one more “component”. The panel.

## Add the panel.

3.1. Go to Home **->** click on Panel

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3.2. After clicking, a pop-up window will appear. Press “Add Panel…”

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3.3.Choose “**powerSupply\_2023**” from: project PS\_2023 -> to\_importand click “Open”.

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or save the file below in a folder and re-do the 1.4. step:

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Now the panel should be displayed on the screen:

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