

Intrepid Control Systems, Inc.

CANoe^[TM] Conversion in VSPY

Document Number: G-ICSC-1002

Rev 1.2 07/2014

Contents

1. Introduction:.....	3
2. CANoe TM Conversion:.....	3
2.1 Software Setup:.....	3
2.2 Procedure:	4
2.2.1 VSPY Settings	4
2.2.2 Conversion:	5
3. Contact Us:.....	12

1. Introduction:

CANoe^[TM] Conversion in VSPY can be done to convert the existing CANoe^[TM] Configuration to VSPY Configuration. After the conversion VSPY can be used for the development of the configuration based on the requirements.

This document is a guide to use the CANoe^[TM] Conversion in VSPY.

2. CANoe^[TM] Conversion:

2.1 Software Setup:

The following softwares are required for the conversion.

- Latest version of VehicleSpy3
- C++ Compiler (Microsoft Visual Studio 2010 Express is recommended). Visual Studio 2005 and 2008 are also supported.

2.2 Procedure:

2.2.1 VSPY Settings

2.2.1.1 Go to main menu, click ‘Tools’ → ‘Options’, and make sure OEM Specific Feature check boxes are all unchecked if there is none specific feature in the converted project.

2.2.1.2 Choose “Tools” → ”Options”, click the “Directory” tab to setup your default data directory path if the default location is restricted (Projects will NOT be converted). All converted projects will be saved in the directory.

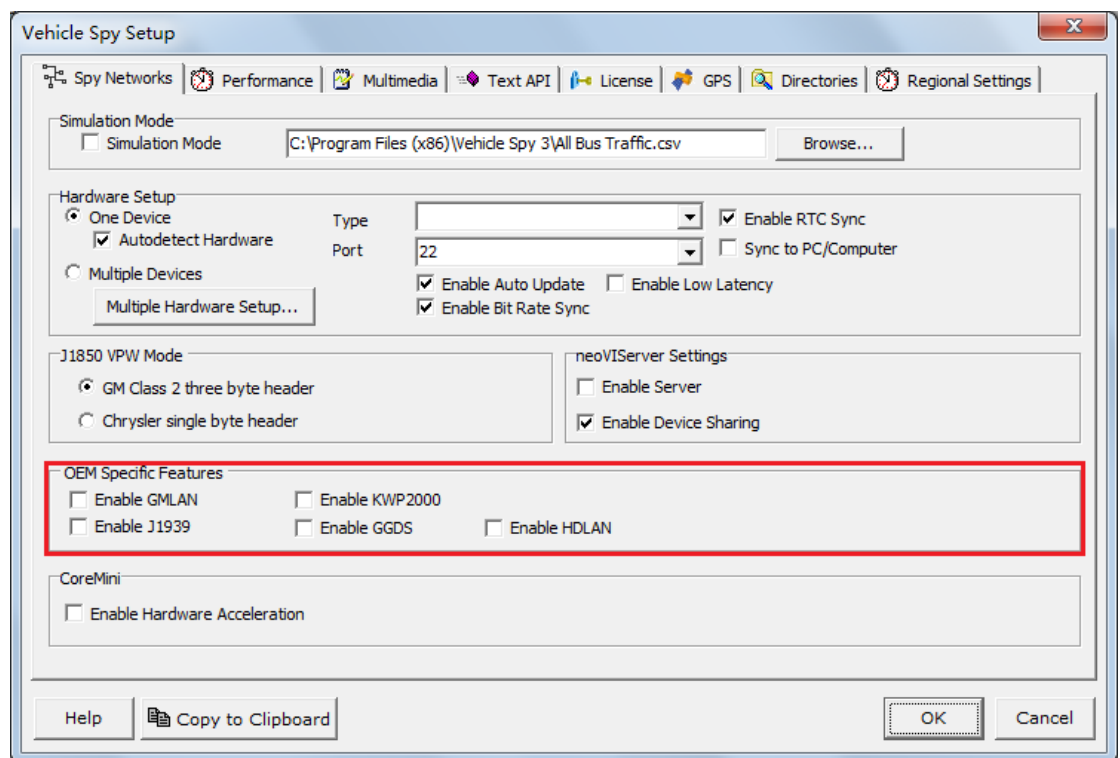


Figure 1: Set the OEM Specific features according to the requirement

2.2.2 Conversion:

2.2.2.1 Step 1: Start Vehicle Spy 3, setup a new Logon Name and select 'None' from the Current Platform drop down list.

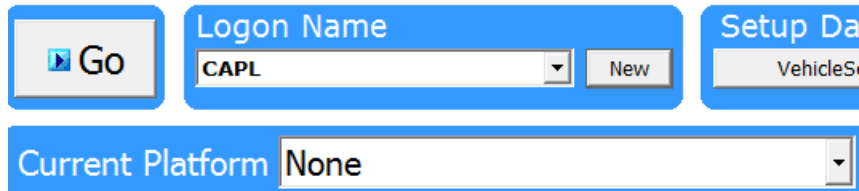


Figure 2: Create a Logon Name to create a separate directory for the project

2.2.2.2 Step 2: Go to main menu, click 'Scripting and Automation' → 'C Code Interface', and then click the 'Add Project' button in the upper-left of the setup tab window. Choose the second one 'New Project From Vector(TM) CAPL'.

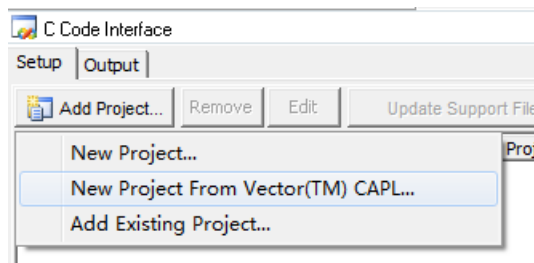


Figure 3: Add CANoeTM Configuration for conversion

2.2.2.3 Step-3: Select your CANoe[™] project location and open the *.cfg file and then click the ‘Open’ button.

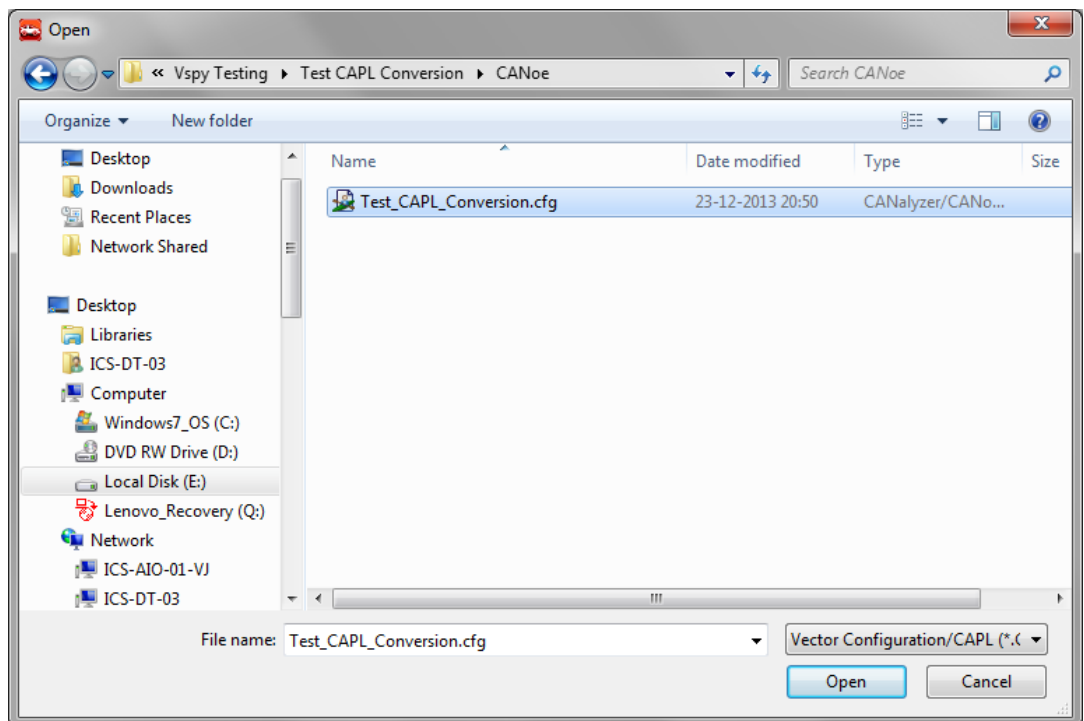


Figure 4: Browse to select the *.cfg file required for conversion

2.2.2.4 Step-4: A ‘Network Fix up’ window will pop up. Select the correct networks for the setup and click the ‘Finish’ button. Select proper networks as per the project.

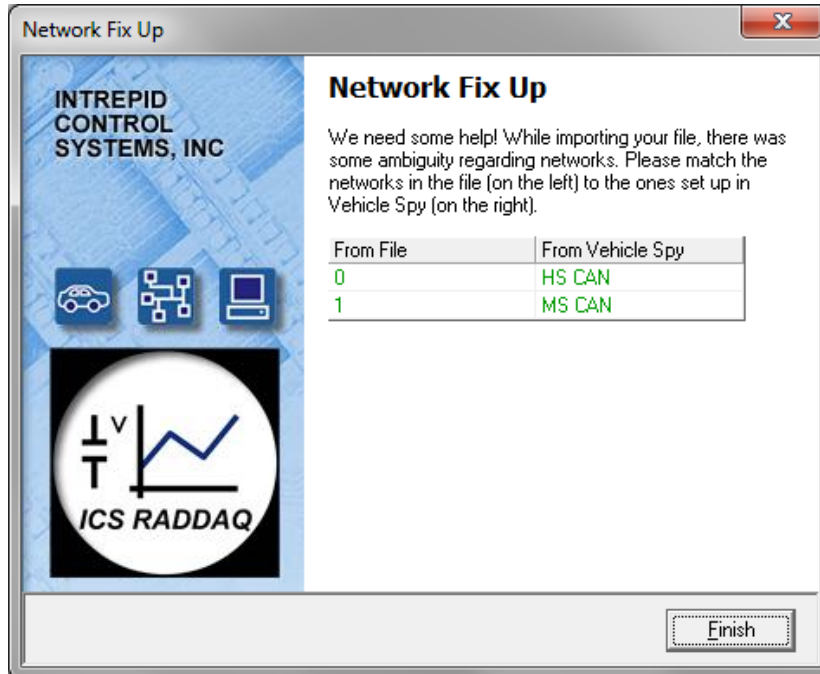


Figure 5: Settings for selecting correct networks of the project for conversion

For GMLAN projects ('Enable GMLAN' checkbox is checked in the OEM specific feature before conversion.) where multiple ECUs have the same message definition but different arbID, in order to catch all of these messages (Including receive messages and transmit messages)) in one call back handler. You need to manually make an Rx message with a mask(xx) to catch all of them. Flowing is an example to create an Rx message with mask '103B80xx' to catch '103B8060' and '103B8097' messages

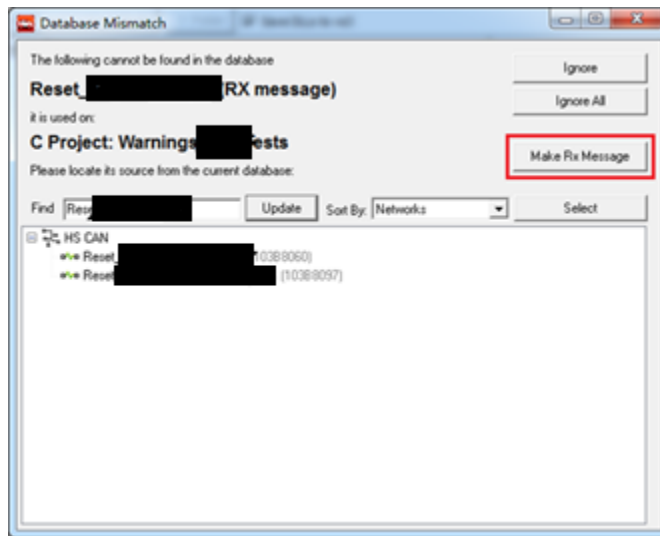


Figure 6: Selection of appropriate message from database for messages in project if there is a mismatch

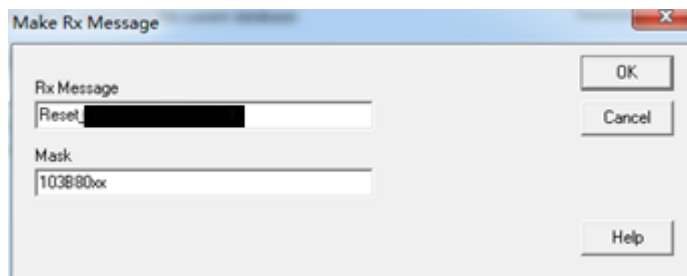


Figure 7: Entering the masks for the receive messages

There will be a progress bar in the upper-right of the software, indicating the CAPL files are being converted

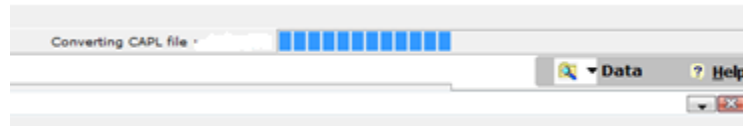


Figure 8: Progress bar showing status of the conversion

Step-5: After converting, the generated projects need to be compiled and built with the installed compiler. After the conversion, a CAPL Conversion dialog box will open up. Click 'Yes' to start building the projects.

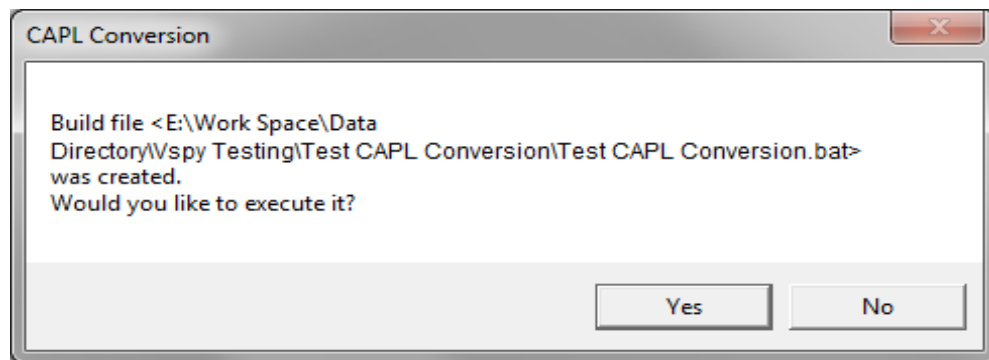


Figure 9: Pop up dialog for building the converted projects CANoeTM

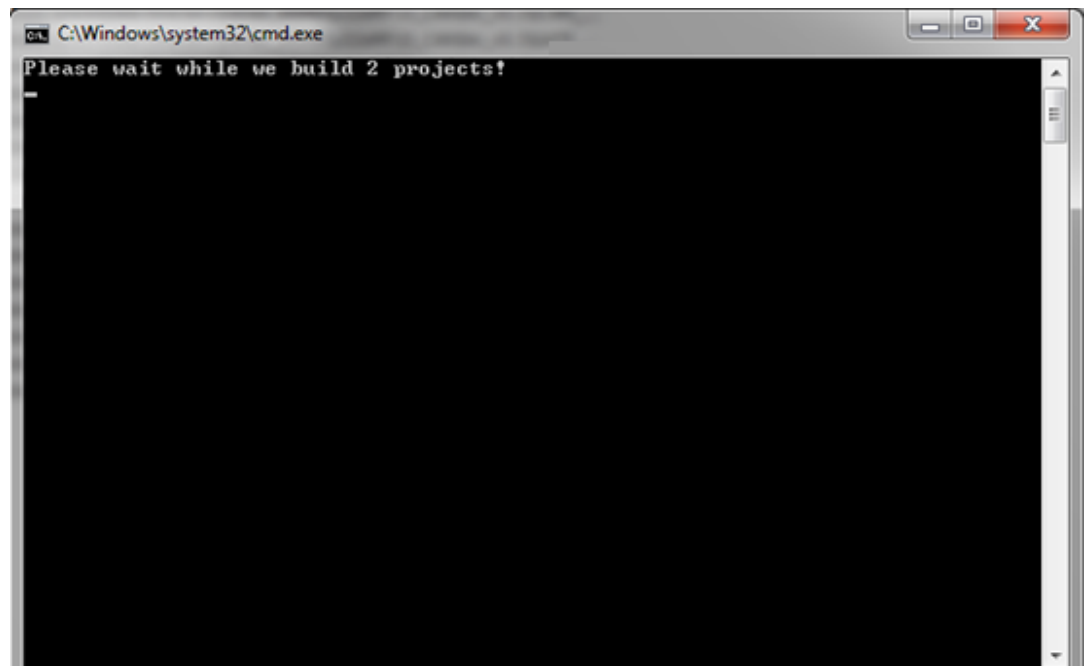


Figure 10: Dialog will open showing that the projects are being built

2.2.2.5 Step-6: After finishing the build, go to main menu and click ‘Measurement’
 → ‘Floating Panels’ to choose which panel you want to work on, or choose
 ‘More’ to see more optional panels

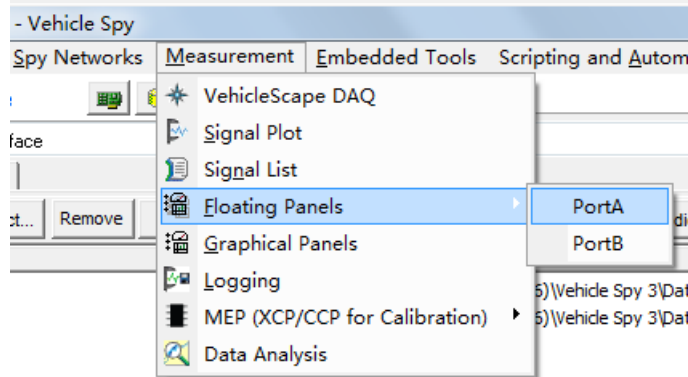


Figure 11: Settings for viewing the panels in the project.

2.2.2.6 Step-7: The conversion is now complete. To test the conversion, make sure to have connected Intrepid neoVI devices (With green check mark for selected hardware) before running online.

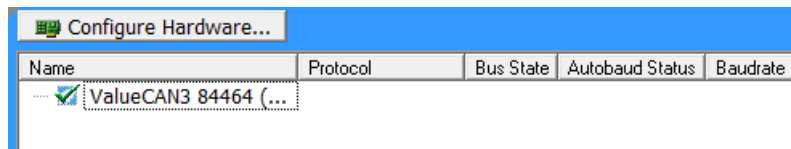


Figure 12: Hardware detected displayed on the Logon screen.

Click upper-left button and select ‘Run with Transmit’ to go online.

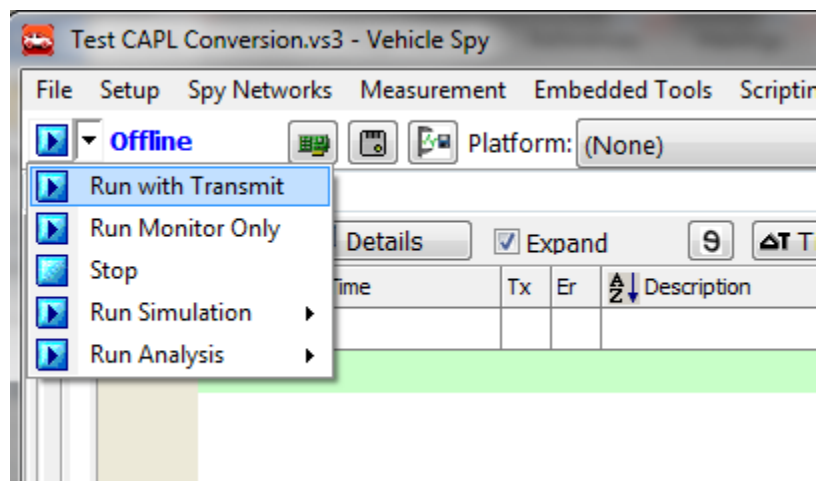
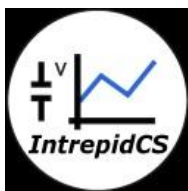


Figure 13: Run options to go online with the hardware

2.2.2.7 Step-8: Go to the panel you selected, and test the project.

Once the conversion is complete the Configuration can be edited and modified in VSPY according to the required specifications.

3. Contact Us:



Intrepid Control Systems, Inc.

Email: icschina@intrepidcs.com

Website: www.intrepidcs.com