## Instructions for deploying the DNP3 Master Template

# Step 1: Copy

The first step is to copy the contents of the Master Station template folder to another folder in your project file location.

# Step 2: Import

From your new folder location, import the library file named “DNP3\_Master\_Station\_Template.lvlib” into your current project. Note that all shared variables are set to “device relative”, meaning that you should not need to change any of the shared variable names (unless you plan to have more than one Master Station on a single compact-RIO).

# Step 3: Create Shared Variables

In the four libraries located in “MS\_Data\_Variables”, you will create the shared variables you intend to send and receive via your DNP3 Master Station. The types of variables are as follows:

MS\_Analog\_Control: Analog (double) variables being ***sent*** from the master to an outstation

MS\_Analog\_Status: Analog (double) variables being ***received*** from an outstation to the master

MS\_Binary\_Control: Binary (boolean) variables being ***sent*** from the master to an outstation

MS\_Binary\_Status: Binary (boolean) variables being ***received*** from an outstation to the master

# Step 4: Create declaration text files

Create four text files (examples located in ./2 – Outstation Template/Dependencies/Libraries). Fill these files with the variables you have created in step 3. Each type listed in step 3 has its own text file (as listed in the file name). The file format is as follows: the desired DNP3 index of the variable, tab, the name of the variable. These files must then be placed on the cRIO, in the following file path:

Path on cRIO -> **/c/DNP3\_Commun/\*place text files here\***