How To Create A XML File With Drive Composer Pro And Use In TwinCat System Manager

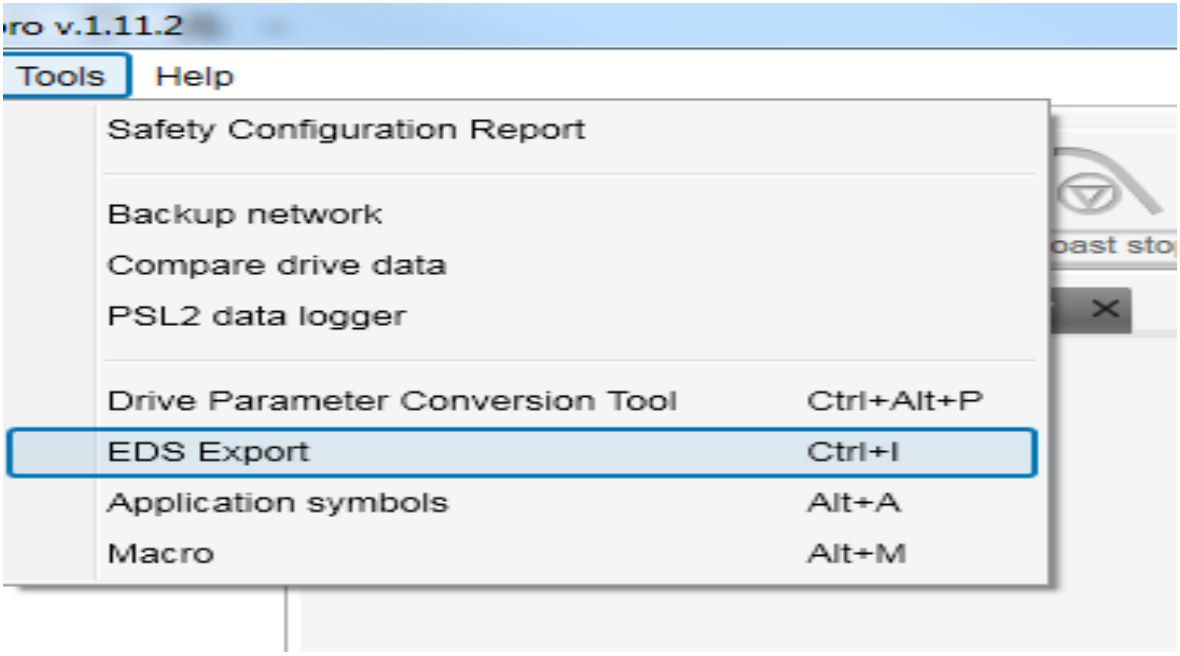
Problem:

A customer had an application that required an encoder module and Ethercat adapter module (FECA-01) to be mounted on an ACS880 control board. When the customer viewed the parameters in the TwinCat System Manager only two of the parameters from parameter Group 92 and 93 were visible. For all of the encoder Group 92 and 93 parameters to be visible, parameter 92.1, Encoder 1 type and/or 93.1, Encoder 2 type must be set to anything other than "None Configured." As a result, the original XML file loaded into the TwinCat System Manager did not have the remaining Group 92 and 93 parameters.

Solution:

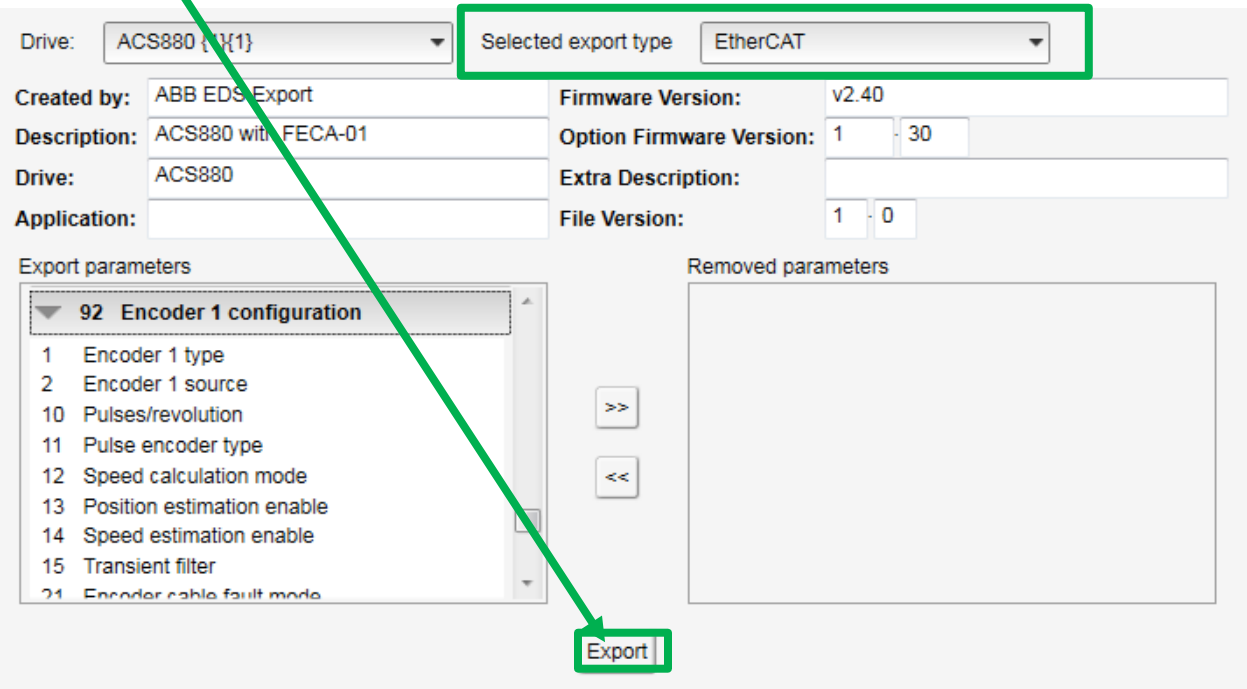
This document will show the process of creating a XML file in Drive Composer Pro, uploading the XML file in the TwinCat System Manager, and viewing the Group 92 and 93 parameters.

Step 1: In Drive Composer Pro, select **Tools**, then **EDS Export**.



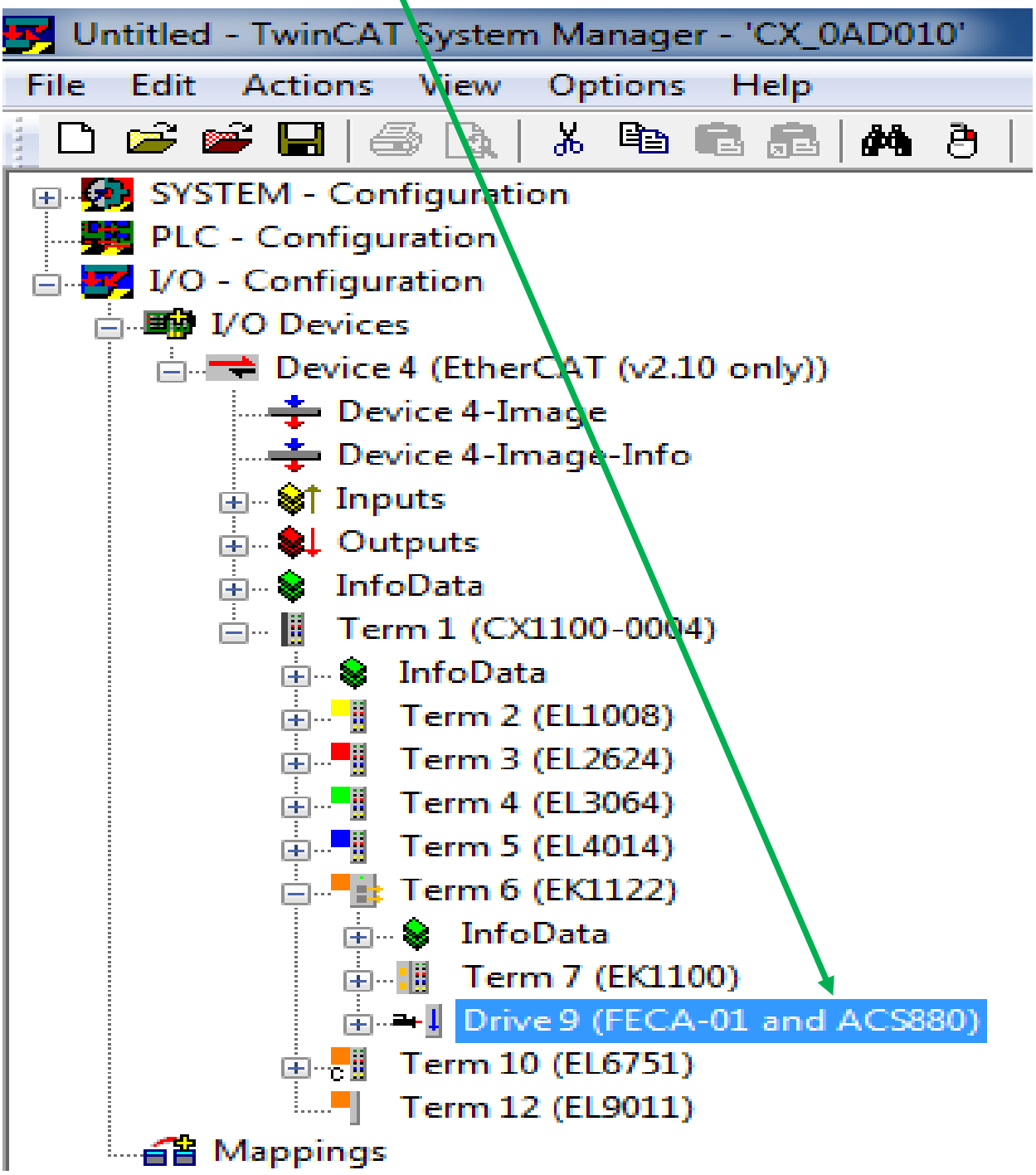
Author: Louis Chatfield, Industrial Application Engineering		Date: December 20, 2018
Internal (abbnow) or External http://www.abb.us/drives	Industry – Industrial	Document #: LVD-EOTN137U-EN Revision: A
Product Categories: ACS880, FECA-01, Drive Composer Pro		

Step 2: In the EDS Export Window, choose **Selected Export Type**, then select **Export**.

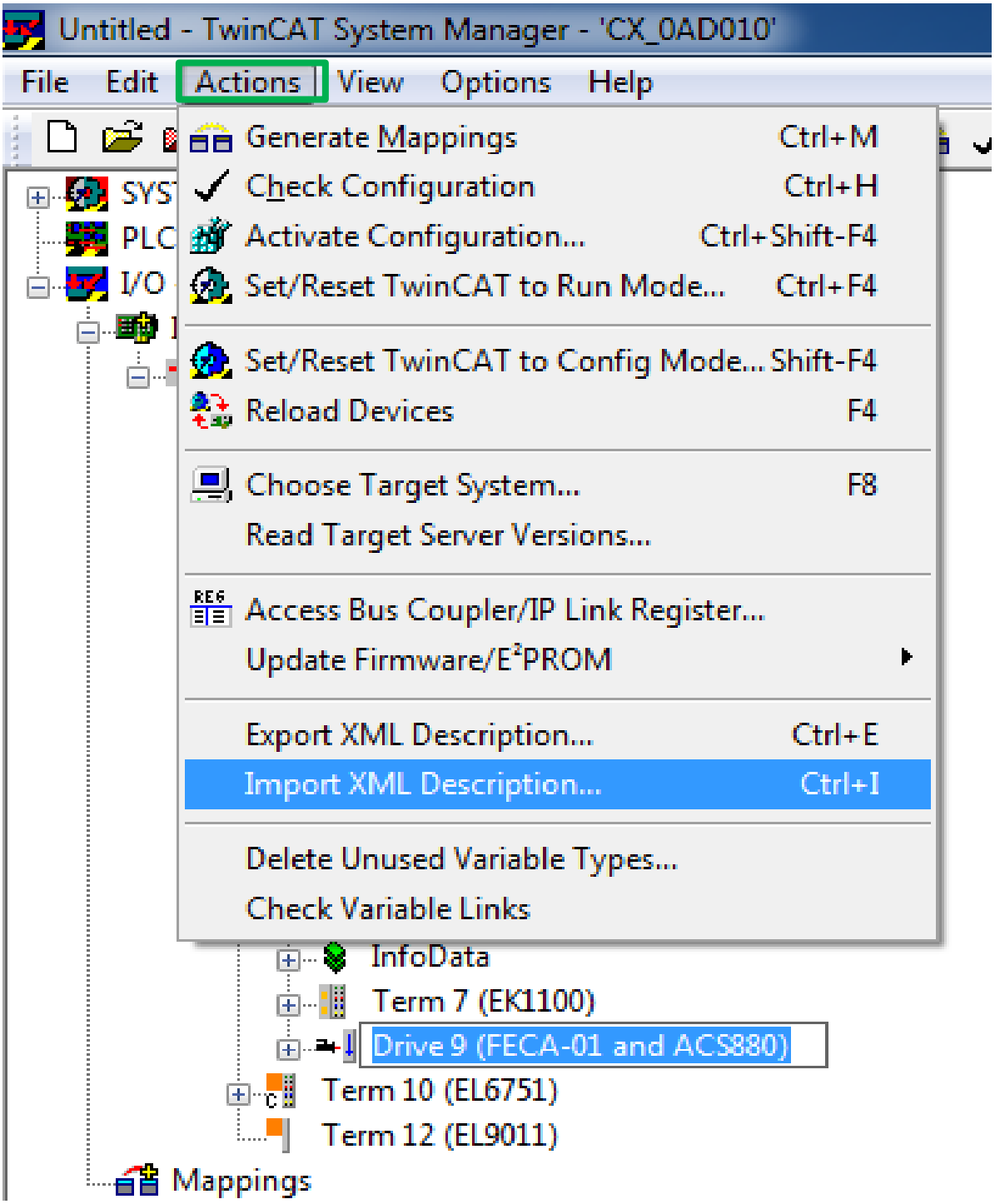


Save the XML under the following directory: **C:\TwinCAT\Io\EtherCAT**.

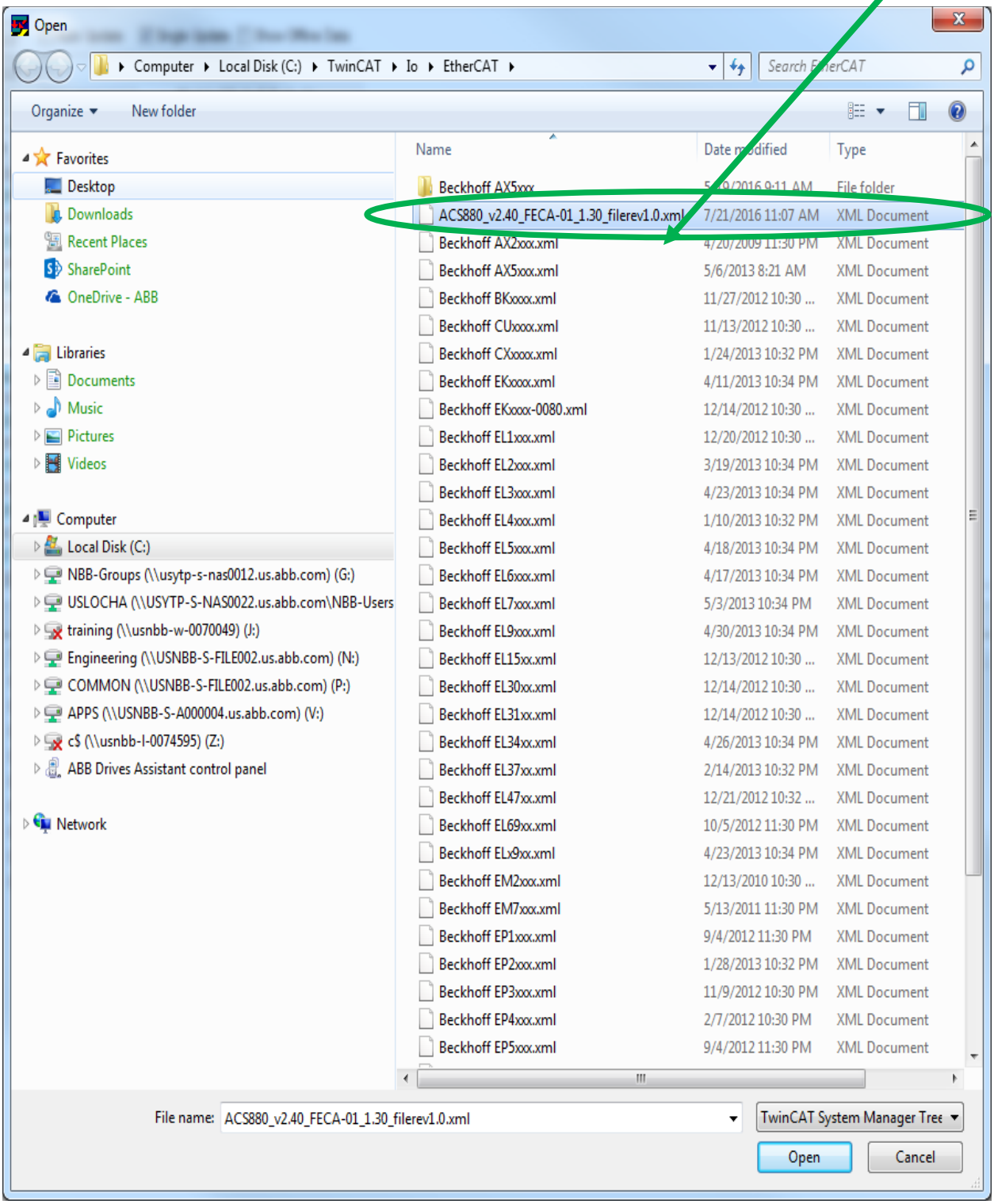
Step 3: Select the desired **drive** on the Ethercat network within TwinCat System Manager



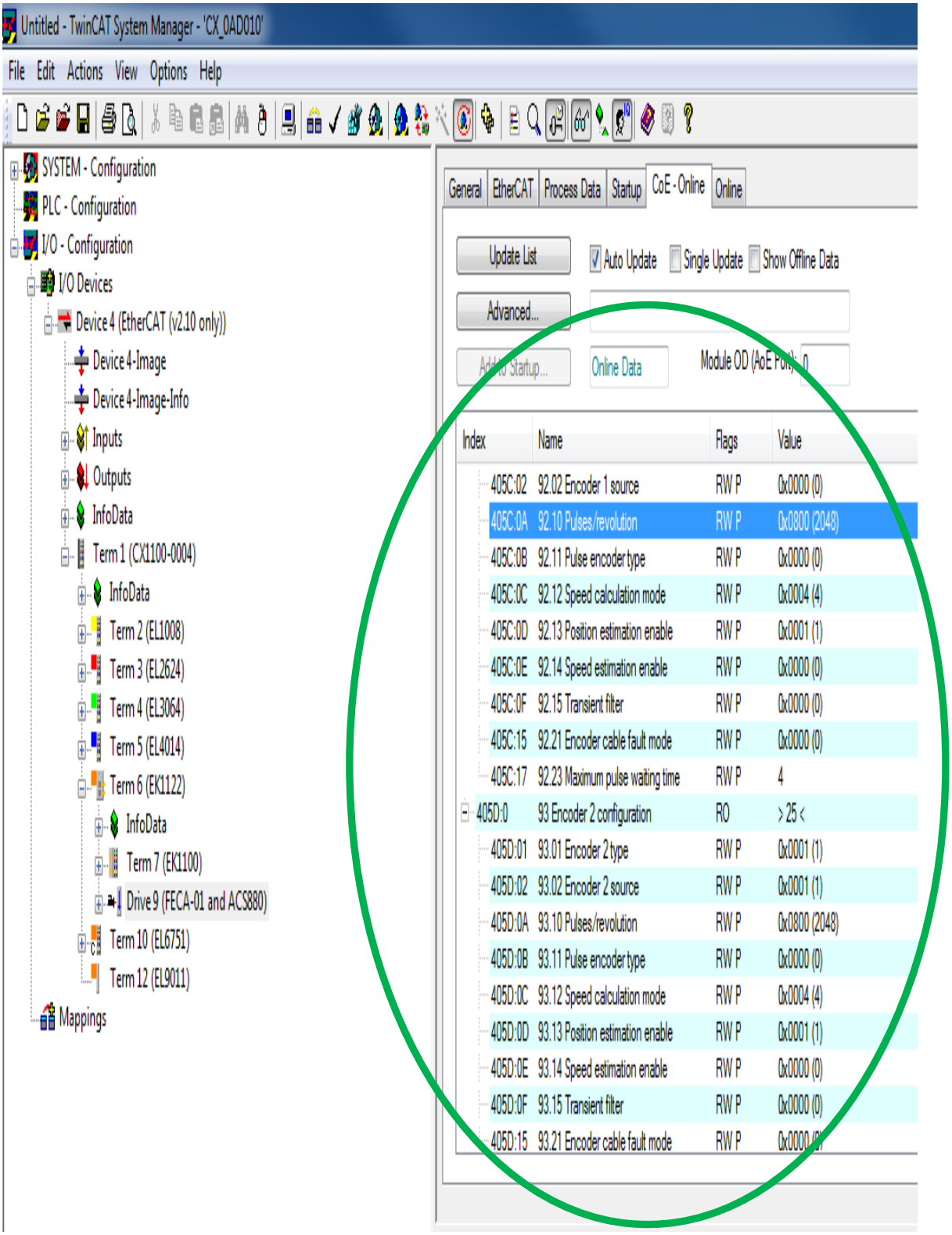
Step 4: Select **Actions,** then **Import XML Description**.



Step 5: Go to the **C:\TwinCAT\Io\EtherCAT** directory and select the desired XML file.



Step 6: Go to the **CoE Online Tab** and the Group 92 and 93 parameters will be visible.



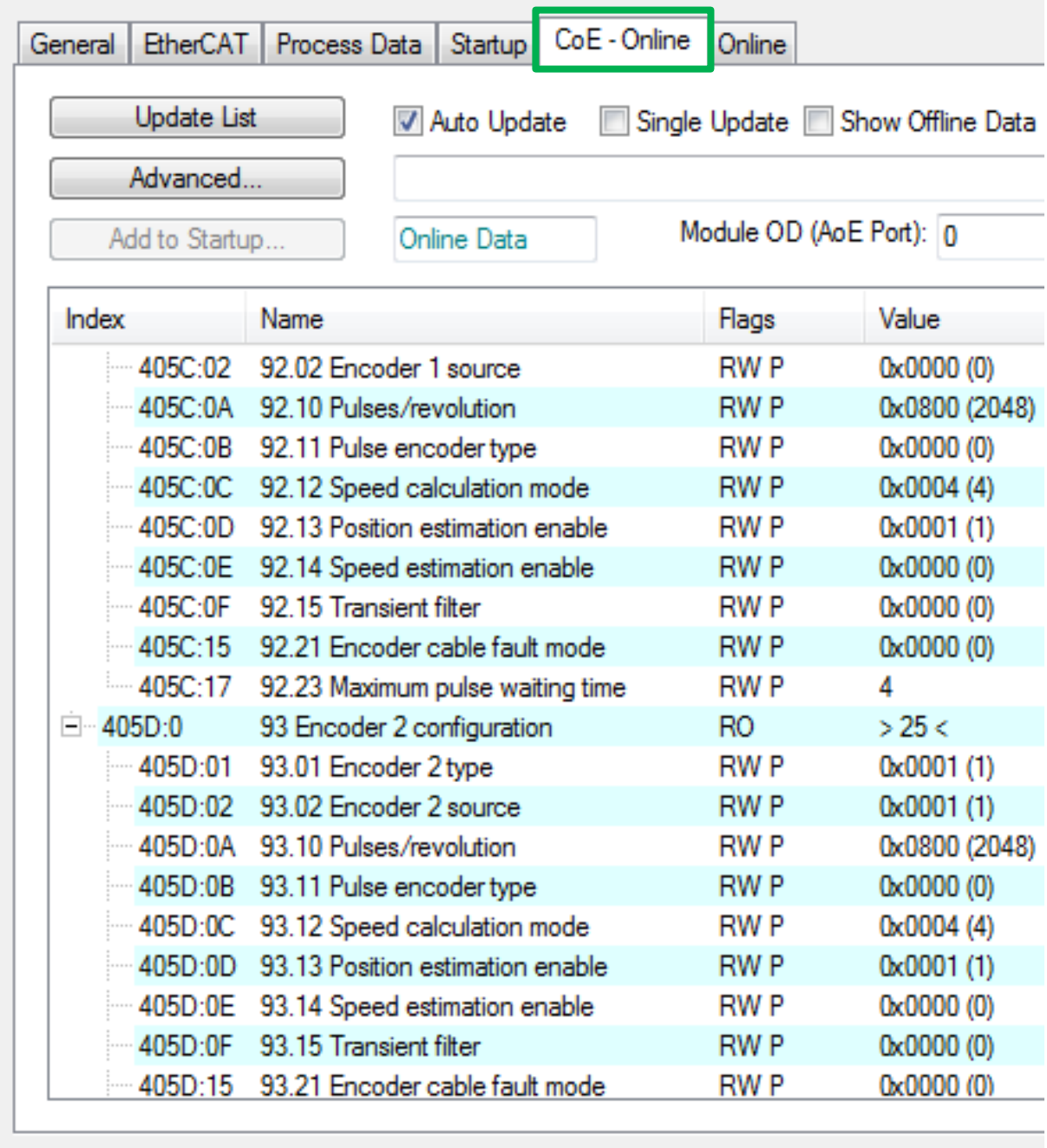


Figure 1: View of the Group 92 and 93 Parameters

Documents or other reference material:

ACS880 Primary Control Program, Document Number 3AUA0000085967

Drive Composer User Manual, Document Number 3AUA0000094606

FECA-01 Ethercat Adapter User Manual, Document Number 3AUA0000068940

Author: Louis Chatfield, Industrial Application Engineering		Date: December 20, 2018
Internal (abbnow) or External http://www.abb.us/drives	Industry – Industrial	Document #: LVD-EOTN137U-EN Revision: A
Product Categories: ACS880, FECA-01, Drive Composer Pro		