

FB1 - <offline>

"Cyclic\_Operation"

Name:

Author:

Time stamp Code:

Interface:

Lengths (block/logic/data):

Family:

Version: 0.1

Block version: 2

06/24/2015 02:33:38 PM

06/22/2015 09:29:15 AM

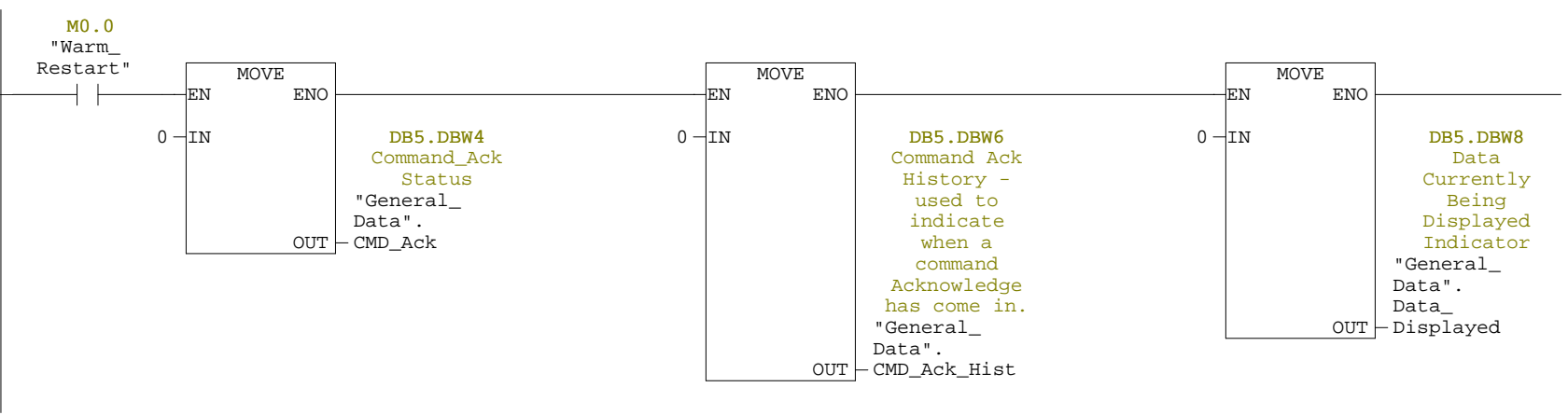
01494 01296 00030

Name	Data Type	Address	Initial Value	Comment
IN		0.0		
OUT		0.0		
IN_OUT		0.0		
STAT		0.0		
TMR_CMD_Ack	TON	0.0		
TEMP		0.0		
CMD_Ack_TMR_Done	Bool	0.0		
Return_Val	Int	2.0		

Block: FB1 Cyclic Operation

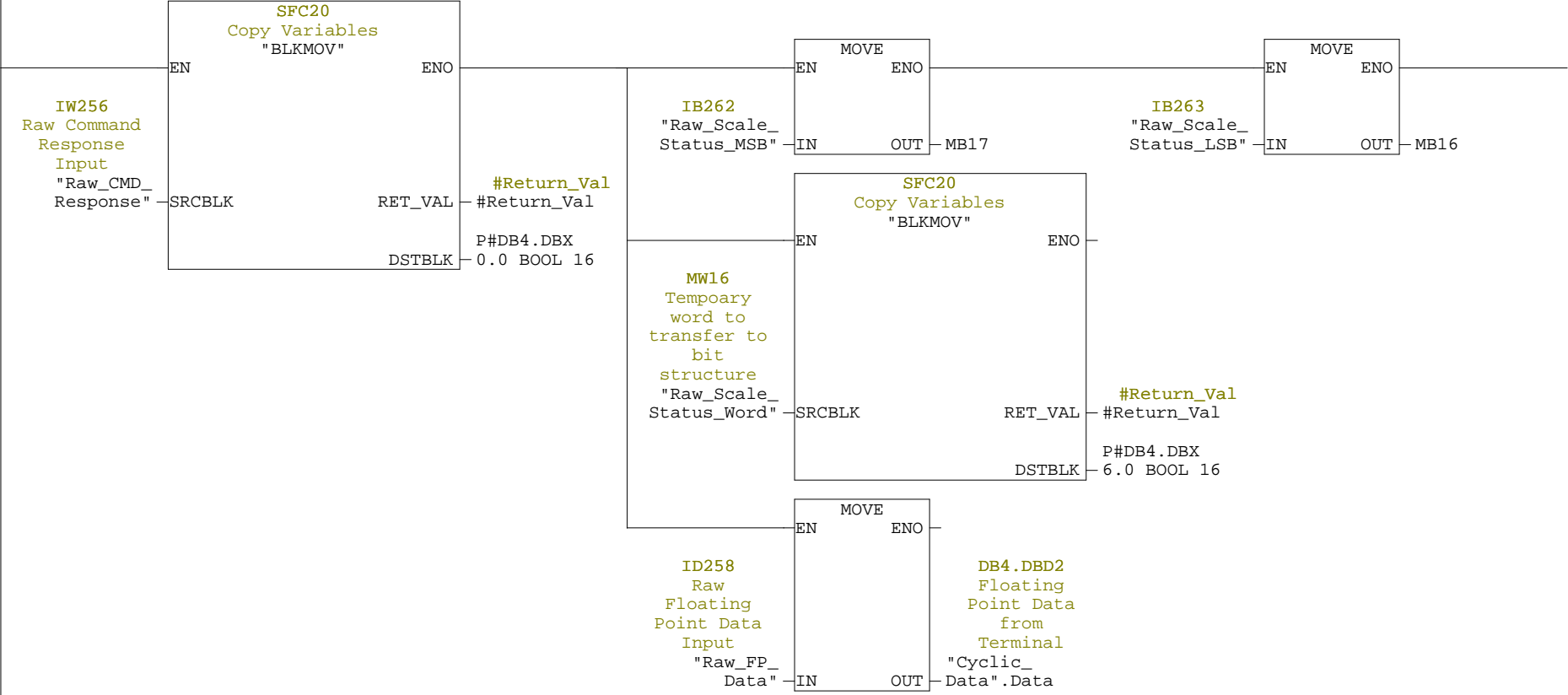
This program provides an example of how an IND131/331 Indicator can be used by a PLC to monitor weight, send commands, and do a calibration procedure from the PLC.

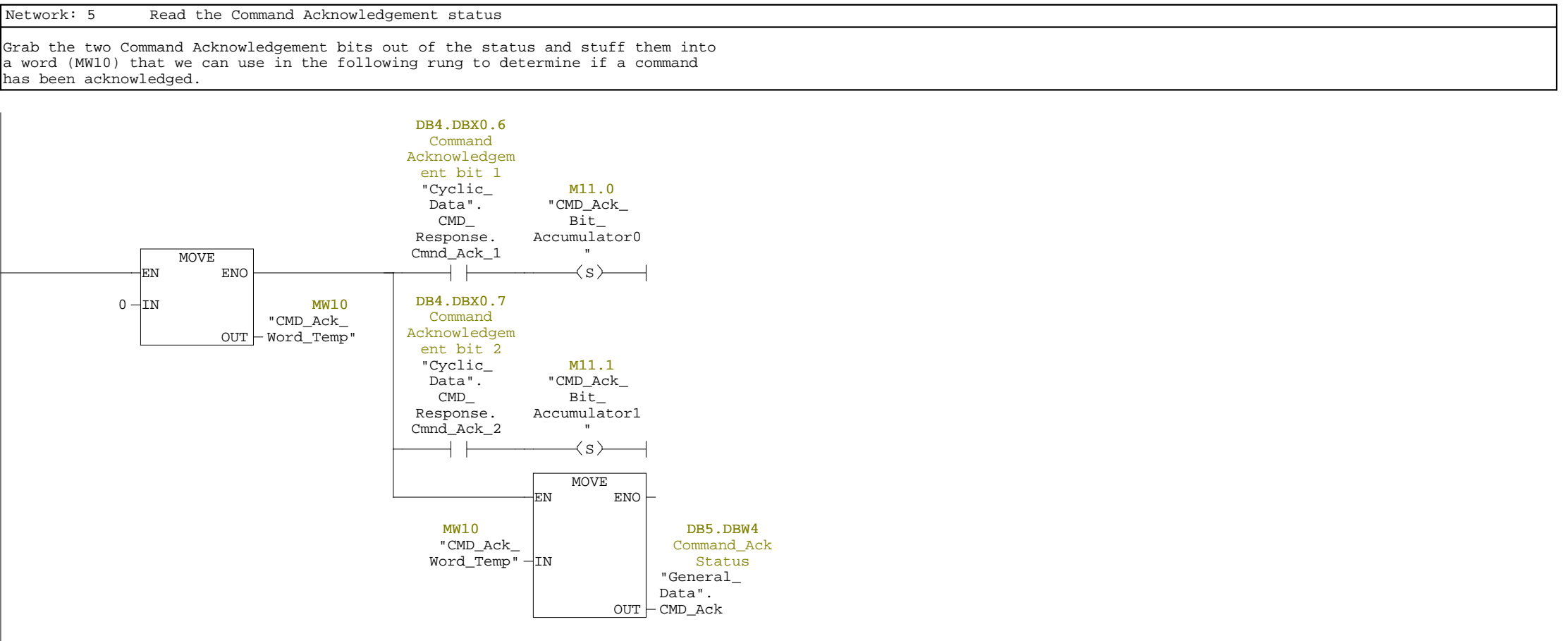
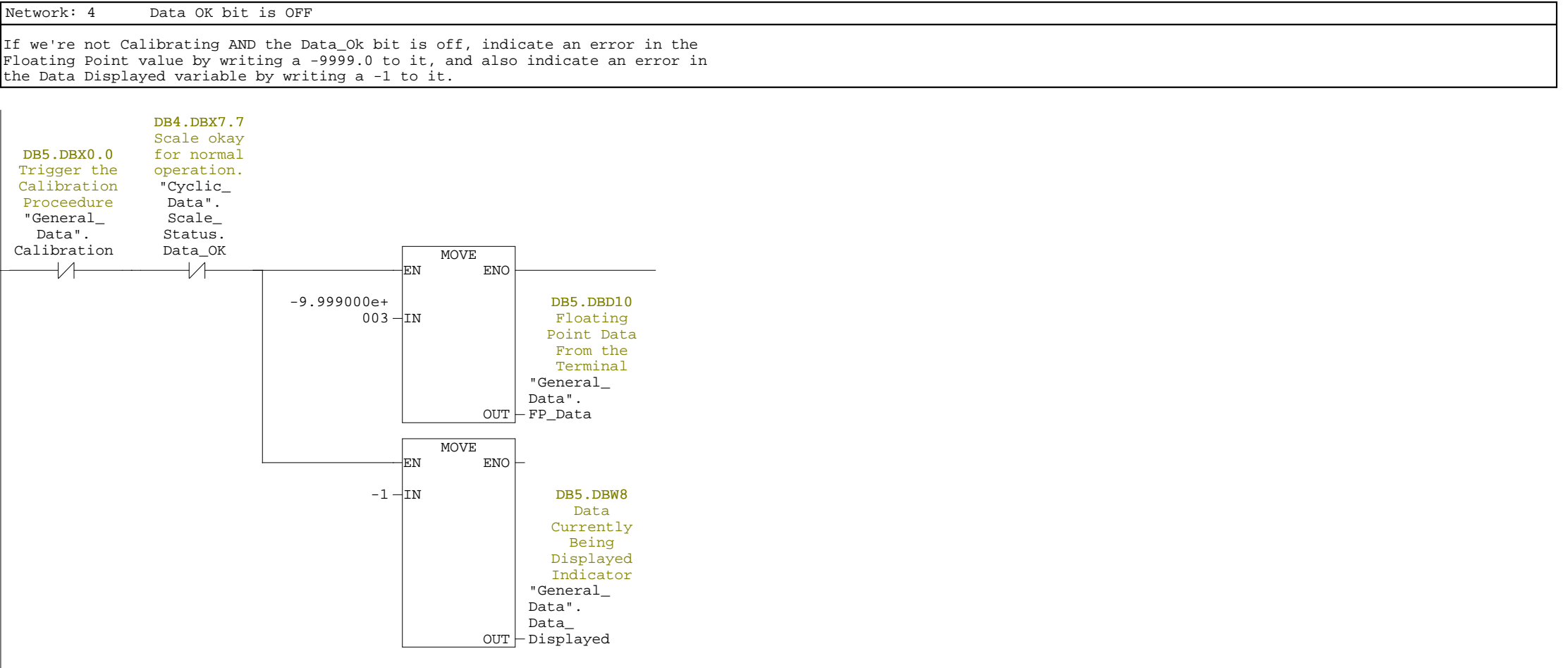
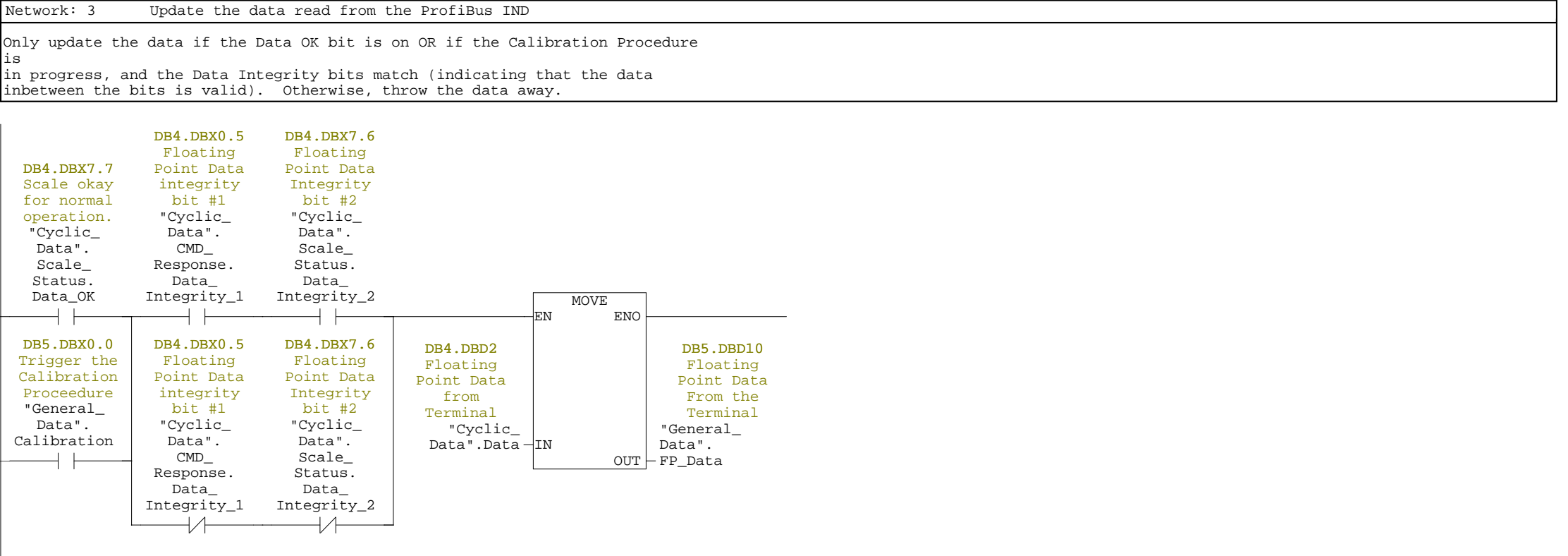
Network: 1 Initialize process on Restart

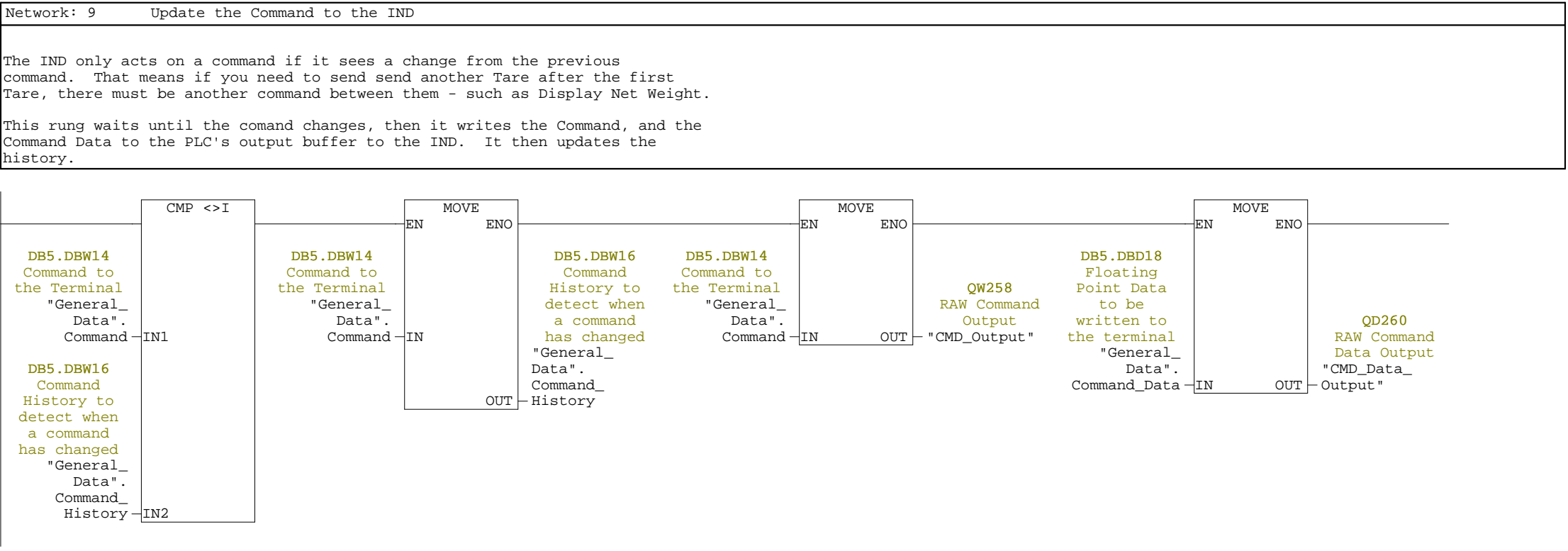
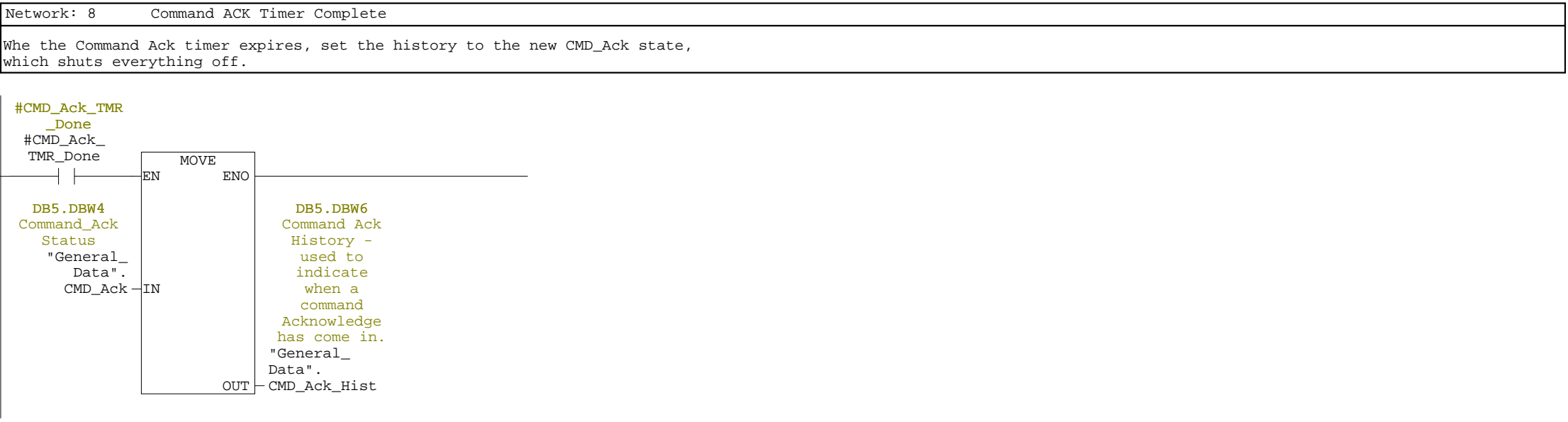
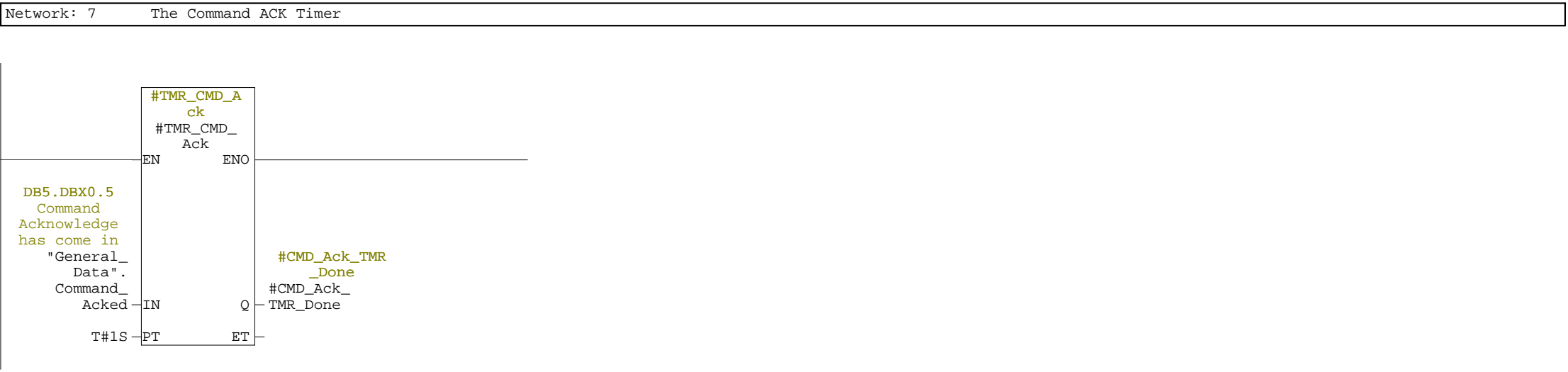
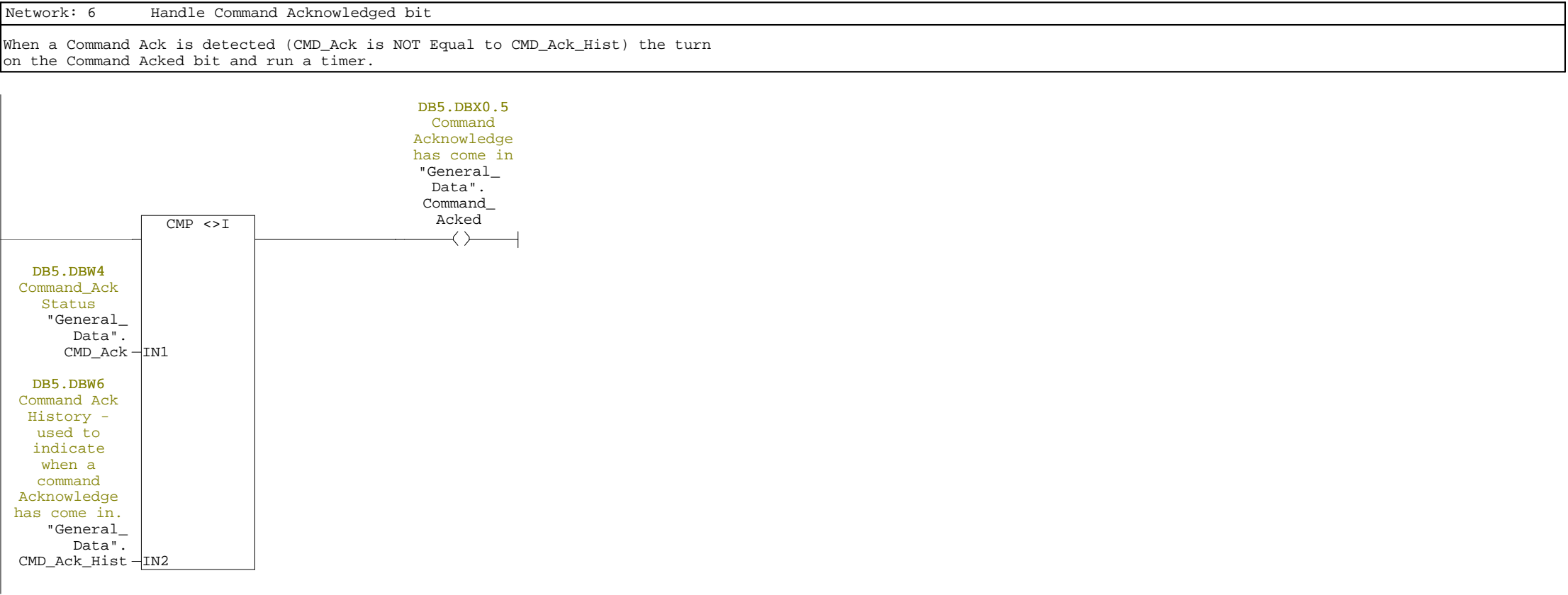


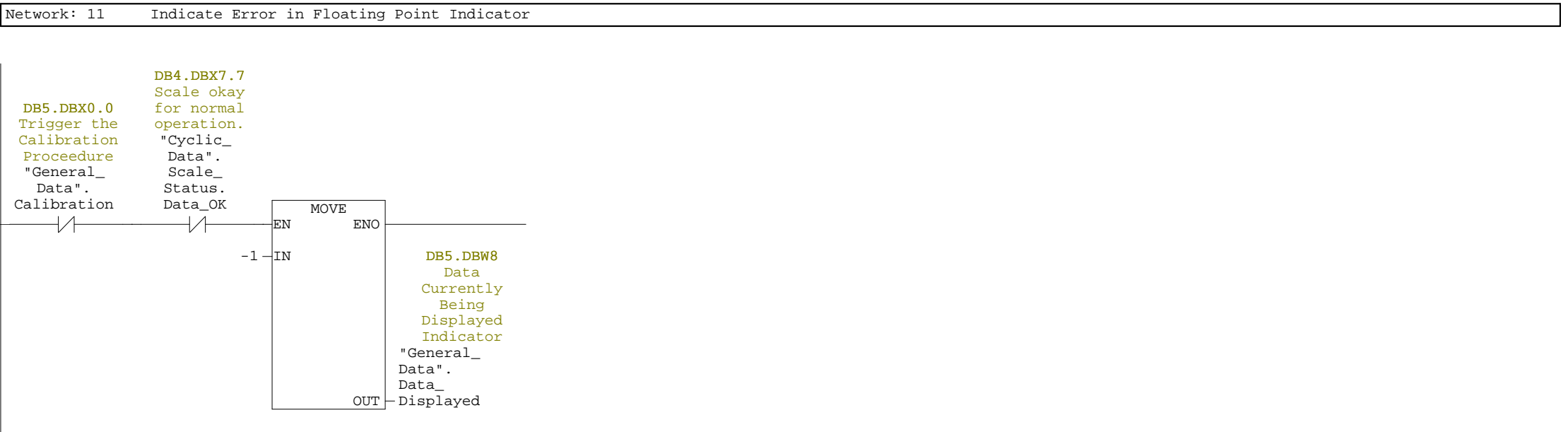
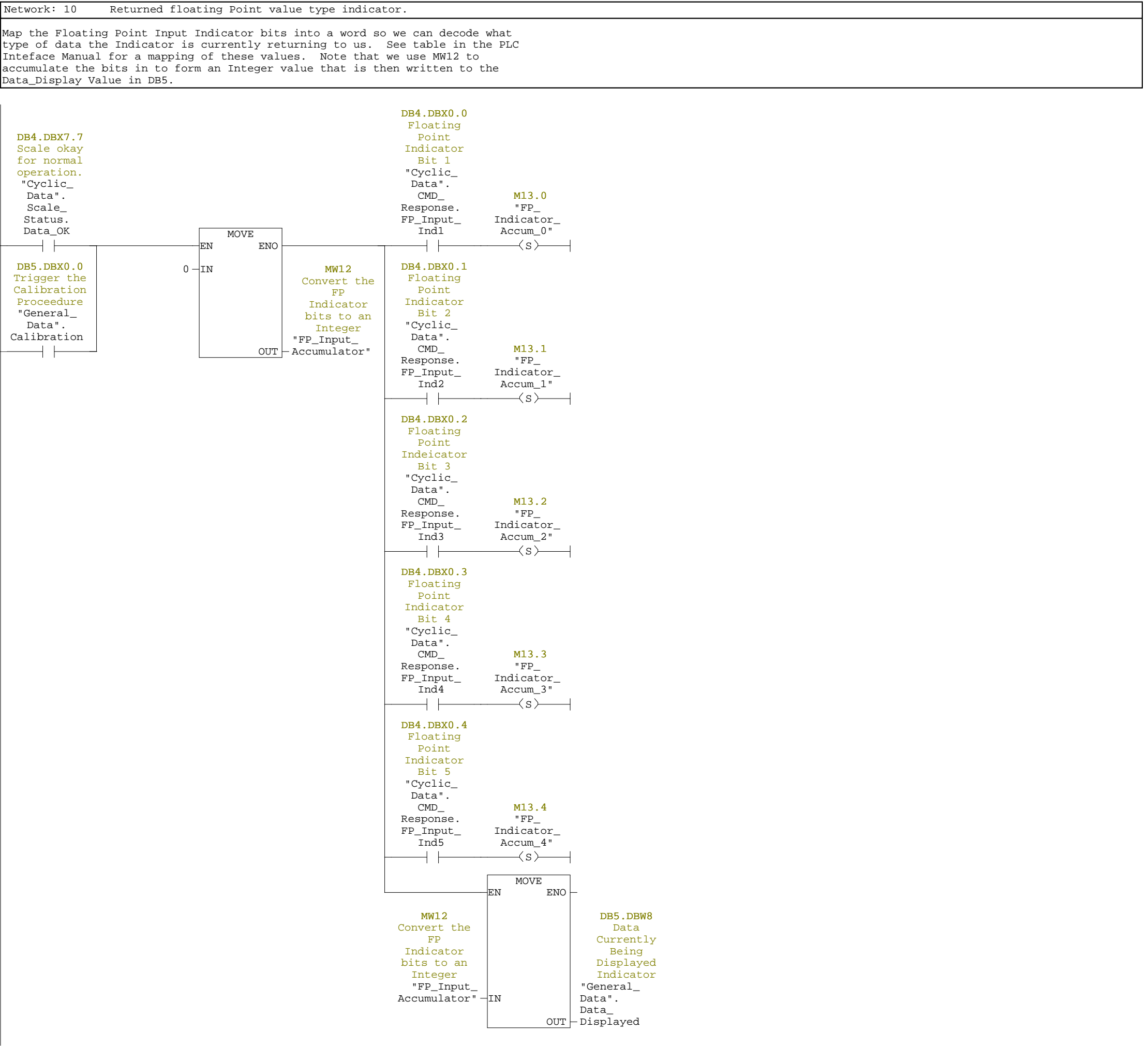
Network: 2 Read the Command Status and the Scale Status

Get the Command Status and the Scale Status from the Input buffer. We'll use these registers to validate the data coming in on the next rung. Note that we have to swap the bytes for the Scale Status to get things to line up correctly.









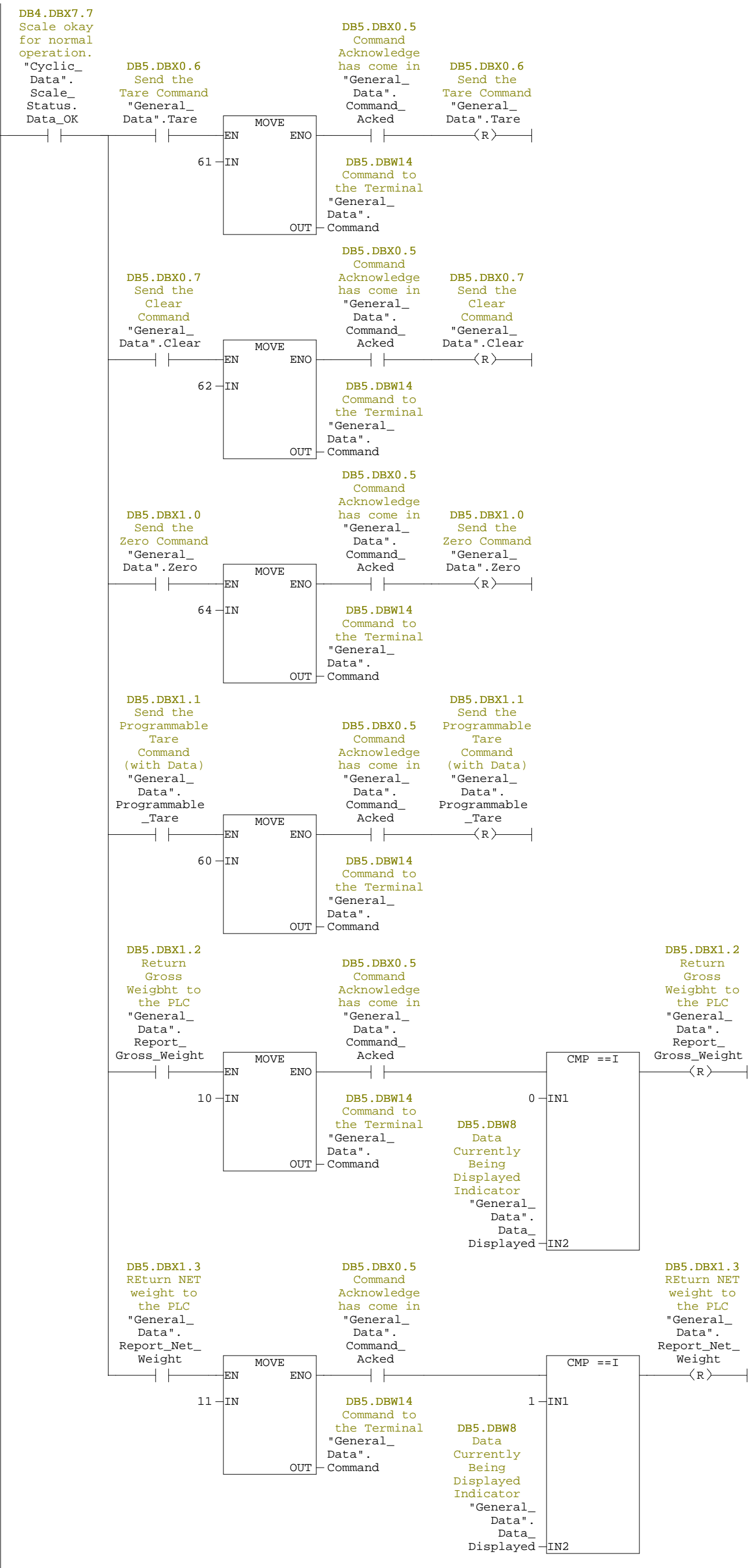
Network: 12Various example commands

This rung allows triggering of some sample commands to the Indicator. Your own logic does not need to function this way. It only needs to write a value to "Command", and if necessary, to "Command\_Data."

The MOV instruction for IND\_FP\_Data is only so that the returned data is easy

to read after one of the command bits has been set.

Other commands that can be sent to the Indicator can be found in the PLC Interface Manual.



Network: 13 Calibration Routine Request

If the Calibration routine has been requested, initialize the Calibration step

sequence to zero and then run the procedure.

The procedure will clear the request flag when it is complete.

