

Main_Program [OB1]

Main_Program Properties

General

Name	Main_Program	Number	1	Type	OB
Language	STL	Numbering	Manual		

Information

Title	"Main Program Sweep (Cycle)"	Author		Comment	Example 13.3 - Tank level control Copyright (c) 2022 Dogwood Valley Press, LLC
Family		Version	0.1	User-defined ID	

Name	Data type	Default value
▼ Temp		
OB1_EV_CLASS	Byte	
OB1_SCAN_1	Byte	
OB1_PRIORITY	Byte	
OB1_OB_NUMBR	Byte	
OB1_RESERVED_1	Byte	
OB1_RESERVED_2	Byte	
OB1_PREV_CYCLE	Int	
OB1_MIN_CYCLE	Int	
OB1_MAX_CYCLE	Int	
OB1_DATE_TIME	Date_And_Time	
Constant		

Network 1: Example 13.3 conversion

```
0001
0002 // Do conversion of transducer reading to level in feet.
0003     L      "LT428_MEAS"
0004     ITD                                // Int to double
0005     DTR                                // double to real
0006     L      5530.0
0007     -R                                // subtract 5530
0008     L      22118.0
0009     /R                                // divide by 22118
0010     T      "TmpR"                    // Save for later multiply
0011     L      15.0
0012     L      1.0
0013     -R                                // do 15 - 1
0014     L      "TmpR"
0015     *R                                // mult by result of first divide
0016     L      1.0
0017     +R                                // add 1
0018     T      "LT428_Val"
0019
```

Network 2: Example 13.3 control

```
0001 // Control of tank level
0002     L     "LT428_Val "
0003     L     "T428_Min"
0004     <R                               // On when drop below minimum
0005     O     "XV427_OPEN"
0006     A(
0007     L     "LT428_Val "
0008     L     "T428_Max"
0009     <=R                               // Keep on while <= maximum
0010     )
0011     A     "T428_Cntrl "
0012     =     "XV427_OPEN"
0013
```