itegrated	
Automation Portal	

Project_Chemical_Process / PLC_1 [CPU 313C-2 DP] / Program blocks

Main [OB1]

Main Properties								
General								
Name	Main	Number	1	Туре	ОВ	Language	LAD	
Numbering	Manual							
Information								
	"Main Program Sweep (Cy- cle)"	Author		Comment		Family		
Version	0.1	User-defined ID						

Main								
Name	Data type	Offset	Default value	Supervision Comment				
▼ Temp								
OB1_EV_CLASS	Byte	0.0		Bits 0-3 = 1 (Coming event), Bits 4-7 = 1 (Event class 1)				
OB1_SCAN_1	Byte	1.0		1 (Cold restart scan 1 of OB 1), 3 (Scan 2-n of OB 1)				
OB1_PRIORITY	Byte	2.0		Priority of OB Execution				
OB1_OB_NUMBR	Byte	3.0		1 (Organization block 1, OB1)				
OB1_RESERVED_1	Byte	4.0		Reserved for system				
OB1_RESERVED_2	Byte	5.0		Reserved for system				
OB1_PREV_CYCLE	Int	6.0		Cycle time of previous OB1 scan (milliseconds)				
OB1_MIN_CYCLE	Int	8.0		Minimum cycle time of OB1 (milliseconds)				
OB1_MAX_CYCLE	Int	10.0		Maximum cycle time of OB1 (milliseconds)				
OB1_DATE_TIME	Date_And_Time	12.0		Date and time OB1 started				
Constant								

Network 1:

Network 2:

```
%M10.6
"REMOTE_SW2"
                                             %MW2
                                                                 %MW2
                                                                                     %M10.3 "MS2"
    %I124.4
                                            "STATE2"
                                                                "STATE2"
"LOCAL/AUTO_2"
                                                                  >=
Int
                                             ==
Int
                                                                                       ( )-
                                            %M10.3 "MS2"
                    %M10.6
"REMOTE_SW2"
                                            %I124.7 "ON_P2"
   %I124.4
"LOCAL/AUTO_2"
```

Network 3:

Network 4:

Totally Integrated **Automation Portal %I125.1** "LS1_1" **%l125.2** "LS2_1" %M10.0 "dummy" MOVE ()-0 — IN OUT1 — "STATE1" **%l125.2** "LS2_1" %I125.1 MOVE "LS1_1" EN ENO %MW0 1 — IN OUT1 — "STATE1" **%l125.2** "LS2_1" %I125.1 MOVE "LS1_1" EN ENO %MW0 OUT1 — "STATE1" **%I125.2** "LS2_1" %I125.1 MOVE "LS1_1" - EN ENO -3 — IN %MW0 OUT1 — "STATE1" Network 5: %I125.3 %I125.4 %M10.0 "LS1_2" "LS2_2" "dummy" MOVE 0 — IN OUT1 — "STATE2" %I125.3 %I125.4 MOVE "LS1_2" "LS2_2" 1 — IN OUT1 — "STATE2" %I125.3 %I125.4 MOVE "LS1_2" "LS2_2" 2 — IN OUT1 — "STATE2" %I125.2 **%I125.4** MOVE "LS2_2" "LS2_1" EN ENO 3 — IN %MW2 OUT1 — "STATE2" Network 6: %I125.6 %I125.5 %M10.0 MOVE "LS1_3" "dummy" **⊣** ⊢ ENO ENO %MW4 OUT1 — "STATE3" %I125.5 %I125.6 "LS1_3" "LS2_3" MOVE EN ENO %MW4 OUT1 — "STATE3" %I125.5 %I125.6 MOVE "LS1_3" "LS2_3" EN ENO %MW4 OUT1 — "STATE3" %I125.5 %I125.6 "LS1_3" "LS2_3" MOVE EN ENO %MW4 OUT1 — "STATE3" Network 7: %DB1 "IEC_Timer_0_DB" %DB1.DBX6.0 "IEC_Timer_0_ DB".Q TON T#10S — PT %ID0 ET — "ET"

Network 8:

```
Totally Integrated
   Automation Portal
                                                                                 %M10.1
"MAINTENANCE_
SW"
                                                                                                         %M10.2 "MS1"
                                                                                                                                                                     %Q124.1
"PUMP1"
Network 9:
                                                                                 %M10.1
"MAINTENANCE_
SW"
                                                                                                         %M10.2 "MS1"
                                                                                                                                                                    %Q124.2 "PUMP1_SB"
Network 10:
                                                                                 %M10.1
"MAINTENANCE_
SW"
                                                                                                         %M10.3 "MS2"
                                                                                                                                                                     %Q124.3 "PUMP2"
Network 11:
                                                                                 %M10.1
"MAINTENANCE_
SW"
                                                                                                         %M10.3 "MS2"
                                                                                                                                                                    %Q124.4 "PUMP2_SB"
                                                                                                                                                                       ⊣ )-
Network 12:
                                                                                 %M10.1
"MAINTENANCE_
SW"
                                                                                                         %M10.4 "MS3"
                                                                                                                                                                     %Q124.5 "PUMP3"
Network 13:
                                                                                 %M10.1
"MAINTENANCE_
SW"
                                                                                                         %M10.4 "MS3"
                                                                                                                                                                    %Q124.6
"PUMP3_SB"
Network 14:
                                                                                                                                                                  %M10.1
"MAINTENANCE_
SW"
                                                                                      %ID0
"ET"
                                                                                    >=
Time
                                                                                                                                                                        -( R )−
Network 15:
                                                                                                                                                                  %M10.1
"MAINTENANCE_
SW"
                                                                                      %ID0
"ET"
                                                                                     T#5S
                                                                                                                                                                        -( s )--
Network 16:
```

