

## List of Tested Devices and Versions SE01

Schneider Electric Modicon M580 and PROFIBUS for  
Primaries & Metal Industry





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## 1 Document Information

### 1.1 Purpose and Scope

This document specifies the Open Integration Reference Topology SE01. All content of this document is jointly developed, reviewed and approved by Schneider Electric and Endress+Hauser as a common deliverable of Open Integration.

### 1.2 Document History

This is version 1.00.00 of this document. Version history:

Version	Released	Description
1.00.00	2015-12	Initial version






### 1.3 Related Documents

Please refer to related documents as listed below:






Document	Description
SD01462S/04/EN/01.15	Reference Topology SE01
SD01463S/04/EN/01.15	Integration Tutorial SE01
SD01464S/04/EN/01.15	Integration Test Summary SE01

## 2 Process Control System

### 2.1 Reference Software



	Detail	Description
Unity Pro XL 	Function	Configuration and commissioning of system backbone, all I/O and control strategies for Schneider Electric controllers.
	SW version	V8.1
	Operating system	Windows 7 Professional (32/64bits)
	Other relevant information	Installation of following Hotfixes is required for Unity Pro 8.1 UnityPro_V81_HF0153314E UnityPro_V81_HF0248260R UnityPro_V81_HF0273207R UnityPro_V81_HF0273298R UnityPro_V81_HF0275265R UnityPro_V81_HF0276305R UnityPro_V81_HF0281343R UnityPro_V81_HF0282888R UnityPro_V81_HF0287960R UnityPro_V81_HF0295715R
Unity Loader 	Function	Download/Upload of projects and firmware for M580 platform
	SW version	V8.1
	Operating system	Windows 7 Professional (32/64bits)
	Other relevant information	Included in Unity Pro
Profibus Remote Master 	Function	Installation of PRM Master DTM and PRM Gateway DTM
	SW version	V1.2
	Operating system	Windows 7 Professional (32/64bits)
	Other relevant information	Included with PRM hardware delivery
Ethernet Switch Configurator 	Function	Configuration of Schneider Electric Ethernet switches
	SW version	V2.2.07
	Operating system	Windows 7 Professional (32/64bits)
	Other relevant information	Included with switch hardware delivery

## 2.2 Reference Hardware



		Detail	Description
Modicon M580 CPU Module 	Function		Modicon M580 module control unit
	Order code		BME P58 2040
	FW version		V2.01
	Other relevant information		
PROFIBUS Remote Master 	Function		PROFIBUS DPV1 interface module for Modicon M580 control unit
	Order code		TCSEGPA23F14F
	FW version		1.0.24.4
	Comm DTM for FieldCare		PRM Comm DTM / Version 1.0.30.0 / FDT version 1.2.1.0
	Gateway DTM for Unity Pro		PRM Gateway DTM / Version 1.2.12.0 / FDT version 1.2.1.0
	Other relevant information		
Modicon X80 EIO Drop adapter 	Function		Modicon X80 EIO Drop adapter for Ethernet and X-bus racks
	Order code		BMECRA31210
	FW version		V2.08
	Other relevant information		
ConneXium TCSESM-E Switch 	Function		Extended Managed Ethernet Switch
	Order code		TCSESM083F23F1
	FW version		1.30
	Other relevant information		

## 3 Plant Asset Management System

### 3.1 Reference Software



Endress+Hauser  <small>People for Process Automation</small>		Detail	Description
<b>FieldCare</b> 	Function		Configuration, commissioning and condition monitoring of intelligent field devices.
	Order code		SFE500-NEGG101
	SW version		V2.10.00
	DTM library		V2.41.00
	Operating system		Windows 7 Professional (x64)



### 3.2 Reference Hardware

Endress+Hauser  <small>People for Process Automation</small>		Detail	Description
<b>Fieldgate SFG500</b> 	Function		Ethernet / PROFIBUS DP gateway as system independent access path for FieldCare.
	Order Code		SFG500 + SFM500-A1
	FW version		01.07.01
	Asset library		01.07.00
	Comm DTM		01.07.01

## 4 Field Network Infrastructure




### 4.1 Reference Hardware

 <b>PEPPERL+FUCHS</b>		Detail	Description
<b>Power Hub Gateway Module</b> 	Function		Gateway module of the SK3 Power Hub
	Order Code		HD2-GTR-4PA
	FW version		V2.6.2
	Comm DTM		HD2-GTR-4PA
	Other relevant information		

 <b>PEPPERL+FUCHS</b>		<b>Detail</b>	<b>Description</b>
<b>Power Hub</b> <b>Diagnostic Module</b> 	Function		Diagnostic module of the SK3 Power Hub
	Order Code		HD2-DM-A
	FW version		1.4.2.763
	Comm DTM		HD2-DM-A
	Other relevant information		

## 5 Field Devices

### 5.1 PROFIBUS DP

Endress+Hauser  People for Process Automation		<b>Detail</b>	<b>Description</b>	<b>PROFIBUS ID</b>
<b>Promag 100</b> 	Function		Electromagnetic Flow Transmitter	0x1560 0x9741 0x9742
	Order Code		5E1B25-AADLAAA8D5KGAZ1	
	Serial No.		J9056A19000	
	FW version		01.00.02	
	PA Profile		3.02	
	GSD		EH_DP_FL_Promag_100_0x1560_0x01_0x01_DPLIB.zip	
	DTM		Promag 100 / 5x1Bxx / DP / FW 1.00.zz / Dev. Rev. 1 Version 1.1.0.55 / 25.11.2013 / DTM Library 2.41	
<b>Promag 53</b> 	Function		Electromagnetic Flow Transmitter	0x1526 0x1511 0x9741
	Order Code		53W25-UAGB1AA0ABAJ1	
	Serial No.		J905A219000	
	FW version		03.06.10	
	PA Profile		3.00	
	GSD		EH_DP_FL_Promag_0x1526a_0x07_0x01_DPLIB.zip	
	DTM		Promag / 53 / DP / V3.06.xx Version 1.5.152.344 / 19.03.2015 / DTM Library 2.41	







## 5.2 PROFIBUS PA

Endress+Hauser  People for Process Automation		Detail	Description	PROFIBUS ID
<b>Promag 50</b> 	Function		Electromagnetic Flow Transmitter	0x1525 0x1505 0x9740
	Order Code		50D25- 3CGA1AA0KBAHZ1	
	Serial No.		J905A019000	
	FW version		03.06.01	
	PA Profile		3.00	
	GSD		EH_PA_FL_Promag_0x0x1525_0x08_0x01_PALIB.zip	
	DTM		Promag / 50 / PA / V3.06.xx Version 1.5.152.344 /19.03.2015 / DTM Library 2.41	
<b>Prosonic M</b> 	Function		Ultrasonic Level Transmitter	0x152C 0x9700
	Order Code		FMU41- ARD2A5	
	Serial No.		J800D70109A	
	FW version		01.04.00	
	PA Profile		3.00	
	GSD		EH_PA_LE_Prosonic_0x152C_V01_00_PALIB.zip	
	DTM		Prosonic M / FMU4x / PA / V4.xx Version 1.5.152.344 /19.03.2015 / DTM Library 2.41	
<b>Cerabar S</b> 	Function		Absolute and Gauge Pressure Transmitter	0x1541 0x1501 0x9700
	Order Code		PMP71-AND1H11GAAAAZ1	
	Serial No.		J803F50109C	
	FW version		04.01.00	
	PA Profile		3.02	
	GSD		EH_PA_PR_CerabarS_0x1541_0x03_0x01_PALIB.zip	
	DTM		Cerabar S / PMx 7x / PA / FW 4.01.zz / Dev. Rev. 3 Version 1.5.152.344 /19.03.2015 / DTM Library 2.41	

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	Detail	Description	PROFIBUS ID
<b>Deltabar S</b> 	Function	Differential Pressure Transmitter	0x1542
	Order Code	PMD75-AND7B11BAAAZ1	0x1504
	Serial No.	J804B40109D	0x9700
	FW version	04.01.00	
	PA Profile	3.02	
	GSD	EH_PA_PR_DeltabarS_0x1542_0x03_0x01_PALIB.zip	
	DTM	Delatabar S / xMD 7x / PA / FW 4.01.zz / Dev. Rev. 3	
		Version 1.5.152.344 / 19.03.2015 / DTM Library 2.41	
<b>iTEMP</b> 	Function	Temperature Transmitter	0x1551
	Order Code	TMT84-A1A2C+B1	0x1523
	Serial No.	J8003B14457	0x9700
	FW version	01.01.04	0x9701
	PA Profile	3.02	0x9702
	GSD	EH_PA_TE_iTEMP_0x1551_0x02_0x01_PALIB.zip	0x9703
	DTM	iTEMP / TMT84 / PA / FW 1.01.zz / Dev.Rev. 02	
		Version 1.5.152.344 / 19.03.2015 / DTM Library 2.41	
<b>Cerabar M</b> 	Function	Absolute and Gauge Pressure Transmitter	0x1553
	Order Code	PMP51-AA31RI1KGBTCJA3AA77Z1	0x151C
	Serial No.	J8050901129	0x9700
	FW version	01.00.01	
	PA Profile	3.02	
	GSD	EH_PA_PR_Cerabar M_0x1553_0x01_0x01_PALIB.zip	
	DTM	Cerabar M / PMx5x / PA / FW 1.00.zz / Dev.Rev. 1	
		Version 1.5.152.344 / 18.03.2015 / DTM Library 2.41	
<b>Deltabar M</b> 	Function	Differential Pressure Transmitter	0x1554
	Order Code	PMD55-AA31BI27BGBHA4A1AAA77Z1	0x9700
	Serial No.	J800E601121	
	FW version	01.00.01	
	PA Profile	3.02	
	GSD	EH_PA_PR_Deltabar M_0x1554_0x01_0x01_PALIB.zip	
	DTM	Deltabar M / PMD5x / PA / FW 1.00.zz / Dev.Rev. 1	
		Version 1.5.152.344 / 18.03.2015 / DTM Library 2.41	

Endress+Hauser  People for Process Automation		Detail	Description	PROFIBUS ID
<b>Deltapilot M</b> 	Function		Hydrostatic Level Transmitter	0x1555
	Order Code		FMB51-AA31RI1FGB85GGJB3AAA77Z1	0x1503
	Serial No.		J8000701125	0x9700
	FW version		01.00.01	
	PA Profile		3.02	
	GSD		EH_PA_LE_Deltapilot M_0x1555_0x01_0x01_PALIB.zip	
	DTM		Deltapilot M / FMB5x / PA / FW 1.00.zz / Dev.Rev. 1	
			Version 1.5.152.344 / 18.03.2015 / DTM Library 2.41	
<b>Levelflex</b> 	Function		Guided Radar Level Transmitter	0x1558
	Order Code		FMP51-AAGCCIAAAA4GDJAA77Z1	0x152D
	Serial No.		J800C30112C	0x9700
	FW version		01.00.00	
	PA Profile		3.02	
	GSD		EH_PA_LE_Levelflex_0x1558_0x01_0x01_PALIB.zip	
	DTM		Levelflex / FMP 5x / PA / FW 1.00.zz / Dev. Rev. 1	
			Version 1.6.0.888 / 18.05.2015 / DTM Library 2.41	
<b>Prowirl 200</b> 	Function		Vortex Flow Transmitter	0x1564
	Order Code		7D2B25-AAAGACI1AASKEBZ1	0x9742
	Serial No.		J9055019000	0x9741
	FW version		01.01.00	0x9740
	PA Profile		3.02	
	GSD		EH_PA_FL_Prowirl200_0x1564_0x02_0x01_PALIB.zip	
	DTM		Prowirl 200 / 7x2Bxx / PA / FW 1.01.zz / Dev.Rev. 2	
			Version 1.7.0.135 / 21.09.2015 / DTM Library 2.41	

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