



Device Registration

Manufacturer	ABB Engineering (Shanghai) Ltd. No. 4528 KangXin Highway Pudong New District, Shanghai, 201319 P.R.China	
Model Type	FSV/FSS 430/450 Vortex / Swirl Flow Meters	
H1 ITK Profile	6	
Manufacturer Identification (MANUFAC_ID)	0x000320	
Device Type (DEV_TYPE)	0x012C	
Device Revision (DEV_REV)	0x01	
Stack Communication Profiles	31PS, 32L	
H1 Physical Layer Profiles	511	
Device Test Campaign	IT114400	
Stack Test Campaign	CT0188FF-L	
H1 Physical Layer Test Report	PT-577	
Device Descriptions	0101.FFO	(CRC: 0x5E6F2DE2)
	0101.SYM	(CRC: 0x60E53F2)
	0101.FF5	(CRC: 0xC4EE7996)
	0101.SY5	(CRC: 0x60E53F2)
Capability File	010101.CFF	(CRC: 0x77D7C6EC)
Mandatory Features	Resource Block Alarms and Events Function Block Linking Trending Multi-Bit Alert Reporting Field Diagnostics	
Function Blocks	Analog Input Analog Output Proportional Integral Derivative Integrator	
Registration Number	IT/114400/1	
Registration Program	FF-524 2.11	
Date Issued	2018-06-28	

**Authorized
 Mark**

Use of mark subject to
 Graphic Identify Style Guide



FOUNDATION

T. F. Masters

Ted Masters
 President and Chief Executive Officer

EXHIBIT A

Device Under Test	
Manufacturer:	ABB
Model:	FSV/FSS 430/450
Type:	Vortex / Swirl Flow Meters
Revision:	01
Serial No:	00000000000000000001
Device ID:	000320012C_00000000000000000001
MANUFAC ID:	0x000320
DEV_TYPE:	0x012C
DEV_REV:	0x01
VFD Name:	FSV_FSS400
Comm. Profile Class:	31PS, 32L
Device Test Campaign #:	IT114400
Device Test End Date:	6/28/2018
Tested Blocks:	1-RB2(e), 4-AI(e), 3-AO(e), 1-PID(e), 1-IT(s)
Untested Blocks:	4-TB(c)
Stack	
Manufacturer:	Softing AG
Revision:	2.60
Test Campaign Number:	CT0188FF-L
Physical Layer	
Test Campaign Number:	PT-577
Profile Class:	511
Latest Device Descriptions	
DD4 Test Campaign #:	IT114400
DD4 File Names:	0101.FFO / 0101.SYM
DD4 Test Date:	6/28/2018
DD5 Test Campaign #:	IT114400
DD5 File Names:	0101.FF5 / 0101.SY5
DD5 Test Date:	6/28/2018
Latest Capabilities File	
CF Test Campaign #:	IT114400
CF File Name:	010101.CFF
CF Test Date:	6/28/2018



FIELD COMM GROUP™

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June 28, 2018

ABB Engineering (Shanghai) Ltd.
No 4528 KangXin Highway
Pudong New District, Shanghai, 201319
P.R.China

Dear Joy Jiao,

FieldComm Group is pleased to inform you that ABB Engineering (Shanghai) Ltd. has successfully completed interoperability testing under the FOUNDATION Fieldbus H1 ITK 6.3.0 and has met the requirements for official device registration as defined by FieldComm Group's FOUNDATION Fieldbus Device Registration Process, FF-524.

Following this notice is the official registration certificate for the device that was tested. This registration also identifies the Device Description (DD) and Capabilities File (CF) that were submitted for testing with this device. The DD and CF are the official DD and CF files registered along with this device and identify a specific version number for each.

You are reminded that should you modify, change or version up the device, the DD, or CF you may be required to re-submit the device, the DD and the CF for re-test and maintenance of the registration as described in the registration process. Please contact FieldComm Group should you have any questions in this regard. The DD and CF for this device has been placed in our registered DD Library. A description of the device and a link to the registered DD/CF files will also be posted to a unique product catalog page on our web site at <http://www.fieldbus.org/registered>.

Additionally, your company is authorized to use the terminology "FOUNDATION Registered" and has the right to use the FOUNDATION Fieldbus Product Registration Mark for the device, DD and CF as identified in the Exhibit A attached for all related marketing materials. A copy of the FieldComm Group Style Guide is attached. This document will provide details on the appropriate placement and use of our logos in your marketing materials and on your product. Please contact marketing@fieldcommgroup.org to obtain the necessary artwork.

Congratulations and Best Regards,

Ted Masters
President & CEO
FieldComm Group