

DeltaV Compatibility Test Results

Manufacturer:	Dynamic Flow
MANUFAC_ID:	0x1167
Device Name:	Flow_Computer
DEV_TYPE:	Flow_Computer
DEV_REV:	1
DD_REV:	0101
CFF_REV:	010101
Hardware_REV:	
Software_REV:	M1.2T1.2H0.0/Revision ID:FINT LAS System/Revision date:2008-06-12
Firmware_REV display location:	Resource Block/Other Tab
DEVICE_ID:	0011670001:DYNAMIC-V1:080900002

Item	Contents	Result
Overall Result		Pass
Functionality:		
Device Type Installation	1. Installation of device type using *.cff, *.sym & *.fbo files. Generation of *.fmx & *.alm files. Installation of device type with *.fbo, *.sym, *.fmx, and *.alm files	Pass
Placeholder	2. Create device placeholder.	Pass
Import/Export	3. Export & Import of device placeholder.	Pass
Device Tag	4. Change placeholder Tag.	Pass
Device States	5. Move device to the following states: Offline Spare Standby (DeltaV) Commissioned (DeltaV)	Pass Resolved track #91304, 91305 using updated software rev M1.2T1.2H0.0/Revision ID:FINT LAS System/Revision date:2008-06-12
Standard or Enhanced Blocks	6. Read/Write all block standard parameters of FF standard blocks, and the standard portion of enhanced blocks. Blocks tested are 6 AI's.	Pass
Function Block Links and Schedule Configuration	7. Link Function Blocks Schedule Function Blocks	Pass
Device Alert Configuration	8. Configure fieldbus device alerts in Resource or Transducer block	Pass
Device Alert Handling	9. Receive Device Alerts to IFIX display 10. Confirm Device Alerts from IFIX display	Pass
AMS:		
Resource Block	11. Launch AMS Resource block screen 12. Change Resource block mode to: Automatic and Out of Service	Pass Pass
	13. Read all tabs of Resource block, no errors encountered	Pass Track#91240 and 91241-cosmetic track, no repair
Transducer Block	14. Launch AMS Transducer block screen 15. Change Transducer block mode to: Automatic and Out of Service 16. Read all tabs of Transducer block, no errors encountered	Pass Pass Pass
Methods	17. Execute methods (if supported) in the Resource and Transducer block.	N.A.
Backup LAS:		
Configuration of Link Master Devices	18. Support configuration of Link Master parameters including: ConfiguredLinkSettings (Slot Time, Minimum Inter-PDU Delay, Max. Response Delay, etc.) PrimaryLinkMasterFlag LAS Scheduling	Pass
Configuration Link Settings saved on Power Cycle	19. Configured Link Setting received from DeltaV saved after a power cycle	Pass Resolved track #91242, 91303, 91239 using updated software rev M1.2T1.2H0.0/Revision ID:FINT LAS System/Revision date:2008-06-12
25 Links	20. LM device supports 25 Publisher Subscriber Links	Pass
Stress:		
Power failure	21. Device recovers after power failure & recovery	Pass Resolved track #91242, 91303, 91239 using updated software rev M1.2T1.2H0.0/Revision ID:FINT LAS System/Revision date:2008-06-12
Fieldbus Voltage	22. Device withstands, Low voltage upto 9 VDC High voltage upto 32 VDC	Pass
Downloads	23. Repeated device downloads complete without failure.	Pass
Loaded Segment	24. Functionality unaffected on a loaded segment.	Pass
Noise	25. Device communications good after recovery of noise. Device regains communication at previous address before power failure.	Pass
Terminator connect-disconnect	26. Device communications good after Terminators are disconnected & re-connected.	Pass
Automated Stress Test	27. Automated Stress Test consisting of Segment Power Loss & Recovery, H1 Card Loss & Recovery, Terminator Loss & Recovery & Port Connect & Disconnect.	Pass Resolved track #91242, 91303, 91239 using updated software rev M1.2T1.2H0.0/Revision ID:FINT LAS System/Revision date:2008-06-12
3 days uninterrupted soak test	28. DUT operates continuously without any error or communication problems in the entire test and does not create communication problem on the segment.	Pass
Impedance/Capacitance/EMI:		
Impedance/Capacitance	29. Device has acceptable Impedance and Capacitance characteristics at fieldbus terminals with respect to ground.	Pass
EMI	30. Device does not generate electromagnetic interference at the fieldbus terminals	Pass

Device Supported on DeltaV	6.3.2, 7.x, 8.x, 9.3
-----------------------------------	----------------------

Test Environment

Test Info	
Device Test Location:	Manila
Test Period (Date and Time):	
Test Engineer:	Lota Ayuban
Additional Engineer or Technician:	
Device Person Contact:	Celso Siado

DeltaV System Information	
System on the Test Bed:	DeltaV 9.3, AMS 9.0.000.100
System Software Revision:	DeltaV 9.3 Release Version
H1 Card Interface Revision:	4.56
Test Procedure Document Revision:	

DeltaV Interoperability Report Document Number	
DeltaV Interoperability Test Report:	08_06_DynamicFlowComputers_Dynamic_Rev1