

Spirent TestCenter™

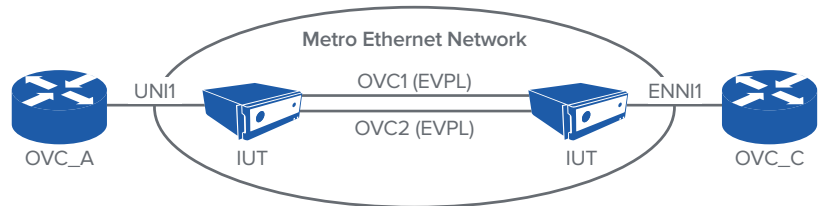
Carrier Ethernet 2.0 Conformance Test Solution

Key Features

- Comprehensive set of automated test cases
- Complete automation via Test Scenario Generator or script automation interface
- Execute multiple test suites simultaneously
- Enhanced result analysis for comparing results across multiple runs
- DUT Automation Editor

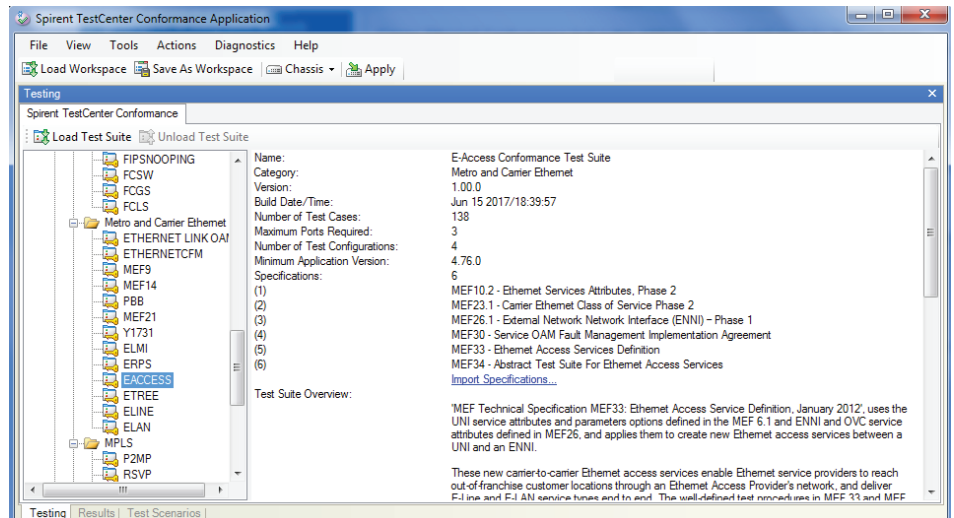
Evaluate Your Readiness for MEF 2.0 Certification

Spirent Carrier Ethernet 2.0 Conformance Test Solution (CE 2.0 CTS) address an important testing need by enabling Metro Ethernet and L2 switch vendors to validate whether their implementations are ready for MEF 2.0 Certification.



Spirent Carrier Ethernet 2.0 Conformance Test Solution provides test cases for all four carrier services:

- E-Access
- E-LAN
- E-Line
- E-Tree



Benefits

Reduced testing time: dramatically decrease the time required to test and validate network devices and new network services.

- User interaction with the test execution is eliminated, there is no need for the user to actively monitor the system to reconfigure the device under test or to manually start new tests
- Multiple test suites can be run simultaneously from a single Spirent TestCenter Conformance application instance, enabling the chaining of multiple test suites together for sequential execution or running them in parallel to reduce test execution time
- Each test case is fully documented in the application, including the specification section reference, actual text from the section if the specification is in the public domain, an indication of the number of ports required for the test case, and a graphical depiction of the configuration being tested
- Multiple results views and execution options facilitate the rapid identification, comparison, troubleshooting and rerunning of test cases

Industry-leading expertise: the next generation of conformance testing from the established leader in test and measurement.

- Developed by Spirent, providing seamless and rapid execution of the conformance tests on Spirent TestCenter hardware along with industry-leading technical support
- Established expertise in numerous technologies including Ethernet, IPv6, routing, broadband access and multicast technologies

Single platform serving multiple needs: Spirent TestCenter was designed from the ground up with the needs of the telecommunications industry in mind.

- Spirent Conformance Test Solution is compatible with all Spirent TestCenter hardware, such as DX/DX2/DX3, FX/FX2/FX3, and MX/MX2/MX3 test modules
- Compatible with Spirent TestCenter Virtual
- Once conformance testing is complete, the system can be reused for functional and performance testing

Test Areas Covered:

Test Suite	Test Areas	Test Specifications
E-Access (138 test cases)	Allows the user to use different OVC types (EPL and EVPL)	MEF10.2 - MEF10.2 - Ethernet Services Attributes, Phase 2
	Operator Service Attributes	MEF23.1 - Carrier Ethernet Class of Service Phase 2
	CE-VLAN ID Unicast, multicast, broadcast	MEF26.1 - External Network Interface (ENNI) - Phase 1
	Service OAM Frames Handling	MEF30 - Service OAM Fault Management Implementation Agreement
	CCM Handling LTM/LTR Handling LBM/LBR Handling	MEF33 - Ethernet Access Services Definition
	Bandwidth Profile Service Attributes	MEF34 - Abstract Test Suite for Ethernet Access Services w
	Per OVC EP CIR Enforcement CBS Enforcement	
	Performance Service Attributes	
	Frame Delay Performance Mean Frame Delay Performance Inter-Frame Delay Variation	
	Performance	
Frame Delay Range Performance Frame Loss Ratio Performance		

Test Suite	Test Areas	Test Specifications
E-LAN (153 test cases)	Allows the user to use E-LAN service type Ethernet Private LAN Ethernet Virtual Private LAN	MEF6.2 - EVC Ethernet Services Definitions Phase 3 MEF10.3 - Ethernet Services Attributes, Phase 3
	UNI Service Attributes UNI Maximum Service Frame Size Service Multiplexing Unicast, Multicast, Broadcast	MEF23.1 - Carrier Ethernet Class of Service Phase 2 MEF26.1 - External Network Interface (ENNI) - Phase 1
	EVC Service Attributes CE-VLAN Tag Preservation EVC Layer 2 Control Protocol Processing	MEF30 - Service OAM Fault Management Implementation Agreement
	Service OAM Frames Handling CCM Handling LTM/LTR Handling LBM/LBR Handling	
	Bandwidth Profile Service Attributes Per ingress UNI Per EVC Per Class of Service	
E-Line (150 test cases)	Allows the user to use E-Line service type Ethernet Private Line Ethernet Virtual Private Line	MEF6.2 - EVC Ethernet Services Definitions Phase 3 MEF10.3 - Ethernet Services Attributes, Phase 3
	UNI Service Attributes UNI Maximum Service Frame Size Service Multiplexing Unicast, Multicast, Broadcast	MEF23.1 - Carrier Ethernet Class of Service Phase 2 MEF26.1 - External Network Interface (ENNI) - Phase 1
	EVC Service Attributes CE-VLAN Tag Preservation EVC Layer 2 Control Protocol Processing	MEF30 - Service OAM Fault Management Implementation Agreement
	Service OAM Frames Handling CCM Handling LTM/LTR Handling LBM/LBR Handling	
	Bandwidth Profile Service Attributes Per ingress UNI Per EVC Per Class of Service	
E-Tree (182 test cases)	Allows the user to use E-Tree service type Ethernet Private Tree Ethernet Virtual Private Tree	MEF6.2 - EVC Ethernet Services Definitions Phase 3 MEF10.3 - Ethernet Services Attributes, Phase 3
	UNI Service Attributes UNI Maximum Service Frame Size Service Multiplexing Unicast, Multicast, Broadcast	MEF23.1 - Carrier Ethernet Class of Service Phase 2 MEF26.1 - External Network Interface (ENNI) - Phase 1
	EVC Service Attributes CE-VLAN Tag Preservation EVC Layer 2 Control Protocol Processing	MEF30 - Service OAM Fault Management Implementation Agreement
	Service OAM Frames Handling CCM Handling LTM/LTR Handling LBM/LBR Handling	
	Bandwidth Profile Service Attributes Per ingress UNI Per EVC Per Class of Service	

About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.

Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information, visit: www.spirent.com

Ordering Information

Part Number	Product
BPK-1024A	Conformance Test Suite Manager
SPK-1090	CTS Carrier Ethernet 2.0 Test Solution
TPK-1089	CTS Carrier Ethernet 2.0 Test Suite (E-Access Service)
TPK-1090	CTS Carrier Ethernet 2.0 Test Suite (E-Line)
TPK-1091	CTS Carrier Ethernet 2.0 Test Suite (E-LAN)
TPK-1092	CTS Carrier Ethernet 2.0 Test Suite (E-Tree)
V-SPK-1090	Virtual CTS Carrier Ethernet 2.0 Test Solution
V-TPK-1089	Virtual CTS Carrier Ethernet 2.0 Test Suite (E-Access Service)
V-TPK-1090	Virtual CTS Carrier Ethernet 2.0 Test Suite (E-Line)
V-TPK-1091	Virtual CTS Carrier Ethernet 2.0 Test Suite (E-LAN)
V-TPK-1092	Virtual CTS Carrier Ethernet 2.0 Test Suite (E-Tree)

Related Spirent TestCenter Software

BPK-1003A	IGMP/MLD Host IP Multicast Base Package
SPK-1055	CTS Carrier Ethernet Test Solution CFM, LINK OAM, MEF 9/14/21 (TPK-0029, TPK-0034, TPK-1006, TPK-1012, TPK-1049)
TPK-0029	CTS Ethernet CFM (802.1ag) Test Package
TPK-0034	CTS Ethernet Link OAM (802.3ah) Test Package
TPK-1006	CTS MEF 9 Test Package
TPK-1012	CTS MEF 14 Test Package
TPK-1038	CTS Provider Bridges (802.1AD) Test Package
TPK-1047	CTS 802.1ah (PBB) Test Package
TPK-1049	CTS MEF 21 Test Package
V-SPK-1055	Virtual CTS Carrier Ethernet Test Solution CFM, LINK OAM, MEF 9/14/21 (TPK-0029, TPK-0034, TPK-1006, TPK-1012, TPK-1049)
V-TPK-0029	Virtual CTS Ethernet CFM (802.1ag) Test Package
V-TPK-0034	Virtual CTS Ethernet Link OAM (802.3ah) Test Package
V-TPK-1006	Virtual CTS MEF9 Test Package
V-TPK-1012	Virtual CTS MEF 14 Test Package
V-TPK-1038	Virtual CTS Provider Bridges (802.1AD) Test Package
V-TPK-1047	Virtual CTS 802.1ah (PBB) Test Package
V-TPK-1049	Virtual CTS MEF 21 Test Package

Contact Us

For more information, call your Spirent sales representative or visit us on the web at www.spirent.com/ContactSpirent.

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