
HP's Wire-Testing Service

Specifications

Service Description

Hewlett-Packard's wire-testing service provides complete and reliable testing of your existing cabling. Using sophisticated testing equipment, HP works with you to help preserve your investment in wiring wherever possible.

This service evaluates the suitability of existing cable as a network media and tests its compliance with network specifications. Testing prior to network installation helps avoid intermittent problems and performance degradation problems.

Benefits to You

- Maximized value of existing wiring system
- Ensured ongoing supportability
- Single source of support for network-testing services
- Cost-effective evaluation
- Verified cabling for startup

Service Features

- Comprehensive testing of all media types
- Evaluation of existing coaxial and fiber-optic cables
- Evaluation of existing twisted-pair wiring for use with 10BaseT networks
- Complete test documentation and recommendations
- Single point of contact for all cable-testing activities

Table 1 on the following page includes descriptions of these features.

Specifications

Table 1. Service Features

Feature	Delivery Specifications
Comprehensive testing of all media types	<p>The wire-testing service is applicable to all media types (coaxial, unshielded and shielded twisted-pair, and fiber-optic). HP uses specific and sophisticated test equipment for each media type to verify that the wiring complies with specifications.</p> <p>HP performs a complete audit of the existing cabling topology to ensure that all network-related components are correctly located and the distances between drops are within specifications. Any discrepancies are documented and recommendations for correction are provided. HP electronically certifies that all transmission components adhere to predefined specifications.</p>
Evaluation of existing coaxial and fiber-optic cables	<p>As applicable, the certification specifically includes the following:</p> <ul style="list-style-type: none">• All coaxial cable runs are tested with a Time Domain Reflectometer to ensure that every cable segment is properly terminated and of correct, uniform impedance. Fiber-optic cables are tested with an Optic Time Domain Reflectometer.• Transceivers, media access units, and fiber-optic link sets are visually inspected for proper termination and integrity.• Proper grounding and signal shielding is verified.
Evaluation of existing twisted-pair wiring for use with 10BaseT networks	<p>Twisted-pair cable allows for variations in physical characteristics and has dynamic performance requirements. HP's wire-test instrument verifies and troubleshoots twisted-pair cabling to evaluate the key parameters specified by the IEEE 802.3 to 10BaseT standard: crosstalk attenuation, signal attenuation over frequency, burst noise, and continuity. Specially trained HP engineers perform testing and evaluation of the results. This service provides you with the assurance that the existing wiring complies with specifications for 10BaseT data transmission.</p>
Complete test documentation and recommendations	<p>HP documents certification test results and provides appropriate recommendations for enhanced performance.</p>
Single point of contact for all cable-testing activities	<p>When appropriate, HP works with selected experienced vendors to ensure timely, high-quality, and cost-effective testing that spans all installed media types. Trained HP engineers always manage the testing process, evaluate the results, and provide recommendations.</p>

Ordering Information

HP's wire-testing service is quoted to meet your specific business requirements. Please contact your HP representative or local HP sales office for more information.

For more information, call your local HP sales office listed in your telephone directory or an HP regional office listed below for the location of your nearest sales office.

United States:
Hewlett-Packard Company
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Rockville, MD 20850
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No. Hollywood, CA 91601
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(03) 895 2895

Asia Pacific:
Hewlett-Packard Asia Ltd.
Asian Pacific Region Headquarters
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In Europe, please call your local HP sales office or representative.

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