



Statement Of Work

Circuit Tracing Assessment for Data Center

Professional Services

Service

1.0 Executive Summary

The Schneider Electric Circuit Tracing Assessment for Data Center service provides verification and circuit identification of your power distribution system located in the data center. Schneider Electric will identify and document the 208/120-volt power pathways from individual circuit breakers, in the distribution panels or power distribution units (PDUs) to the IT equipment and associated rack.

With this data, Schneider Electric will provide a comprehensive report that includes:

- Updated panel schedules for each distribution panel or PDU.
- Identification of problems or deficiencies in the current existing design.
- Recommendations to correct deficiencies.

2.0 Features & Benefits

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Features	Benefits
Circuit tracing of the 208/120-volt power distribution system	Documents power paths in the data center down to the rack level.
	Measures and documents branch circuit loads.
	Identifies circuit utilization of distribution panels and PDUs.
	Traces circuits from the distribution panel or PDU to the corresponding rack(s) in the data center.
	Can be used as a planning tool for infrastructure upgrades or expansion.
Comprehensive data center report	Identifies problems or other areas of concern in the distribution system.
	Tabulates the complete 208/120-volt power distribution system.
	Recommends changes and updates to the existing design to meet current IT design standards and Industry best practices.
	Verifies and updates the current existing documentation.

3.0 Details of Service

The specific activities of this service are listed below. For each activity, Schneider Electric will perform the work described.

Circuit Tracing	
Activities	Description
Computer Room Data Collection	Perform a visual inspection. Check for improper installation practices, damaged equipment, and labeling of circuits.
	Trace and document circuits from the data center distribution panels and PDUs to the IT racks.
	Measure and document the power, voltage and current in each branch circuit.

Report Generation	
Activities	Description
Documentation and Analysis	Document and tabulate accurate panel schedules for the data center. This includes identifying each circuit and relating it to the destination rack.
	Review available upgrade history of the distribution system and provide recommendations, where applicable, to improve practices.
	Identify power distribution utilization and capacity.
	Identify and analyze problems or other areas of concern in the distribution system. Recommend changes and updates to the existing design to meet current IT design standards and Industry best practices.

4.0 Deliverables

Schneider Electric service will deliver a comprehensive data center report to the customer that includes:

- A customized site report documenting the existing 208/120 volt distribution system and circuits in the data center.
- Problem identification, analysis and recommendations.
- Tabular data collected from all the activities defined in Section 3.0, Details of Service.
- Three (3) hard copies and a PDF of the final report.
- An optional follow-up conference call to review the report and answer questions.

5.0 Exclusions

The following items are outside the scope of this standard service offering. They can be integrated into a customized Statement of Work (SOW) at your request. Contact a Schneider Electric service sales representative for more details.

- Labeling of the circuits, distribution panels or PDUs.
- Circuit tracing upstream of the data center distribution panels or PDUs.

6.0 Scope of Responsibility

The items stated here are responsibilities of both Schneider Electric and the customer.

6.1 SCHNEIDER ELECTRIC SERVICE RESPONSIBILITIES

- Assign a Professional Services Fulfillment Manager to the case.
- Initiate a meeting to:
 - Review the assessment process and deliverables.
 - Establish project stakeholders and key contacts.
 - Review the Assessment Preparation Questionnaire to identify customer specific existing conditions and issues in the data center.
- Schedule an assessment and manage the complete assessment process through the Schneider Electric Professional Services office.
- Perform an assessment of the customer site.
- Provide a written report to the customer of the completed field survey.

6.2 CUSTOMER RESPONSIBILITIES

- Complete and return the Assessment Preparation Questionnaire. This will identify issues or problems in the data center needing specific detailed analysis and recommendations.
- Provide site documentation such as one-line diagrams, floor plans, panel schedules and general information relevant to the computer room power distribution system, if available.
- Provide an on-site electrician to access the power systems within the data center including distribution panels, PDUs, racks and other equipment as necessary to perform the circuit tracing.
- Notify Schneider Electric service of any non-disclosure agreement, security clearance, safety or other certification requirements prior to arrival on site.
- Provide a single point of contact to assist during assessment.

7.0 Project Work Details

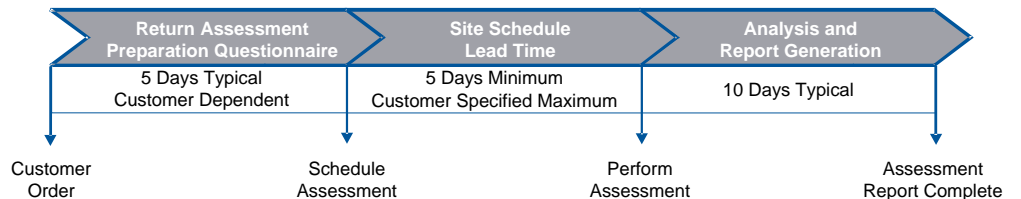
The following details of the project specify the schedule, location and successful completion criteria.

7.1 SCHEDULE

1. All onsite services performed by Schneider Electric service are executed during the normal business hours of Monday through Friday from 8:00AM to 5:00PM, local time. Exceptions are national or provincial holidays. Services performed outside of normal working hours may incur additional charges.
2. The service will be scheduled as quickly as possible at the convenience of the customer. Delays in fulfilling the service caused by labor disputes of third parties, customer contracted services, or other unforeseen conditions may affect the schedule. Schneider Electric service will not be responsible for delays related to circumstances outside of its control.

7.2 ASSESSMENT PROCESS TIMELINE AND FLOW

1. Customer Purchase Order received by Schneider Electric service.
2. Assessment Preparation Questionnaire completed and returned to Schneider Electric.
3. Site assessment scheduled with customer through Schneider Electric service Professional Services office.
4. Meet with IT, facility management and a Schneider Electric service representative to coordinate a site visit.
5. Site assessment is performed at the customer location.
6. Customer Site Assessment Report completed.



The actual and specific dates are not contracted due to the variability in each unique site assessment and analysis.

7.3 LOCATION

The location of this project will be onsite. It will be discussed and approved by Schneider Electric service and the customer.

7.4 COMPLETION CRITERIA

Schneider Electric service is expected to have finished its written duties when any of the following occurs:

1. Schneider Electric service completes all the items described in Section 4.0, Deliverables of this SOW.
2. This project and SOW are terminated for other reasons, within the Schneider Electric customer agreement.

8.0 Pricing

Part Number: QWPACKTTRACE-MISC

Pricing for the Data Center Circuit Tracing service varies depending on data center size, equipment, available existing documentation and location of the data center. To receive a price quote for your application please visit www.apc.com or contact your Schneider Electric service sales representative

9.0 Terms and Conditions

Schneider Electric Standard Terms and Conditions apply.

The information provided in this Scope of Work cannot be used or duplicated, in full or in part.

Other uses for this document are prohibited without written consent by Schneider Electric.

All documentation, photographs, imaging or other information provided by the customer, or gathered at the customer site, will be for internal use only and used solely for the purpose of report generation, analysis and recommendations.

All services' conditions included in this document apply (i) only between Schneider Electric and that organization that bought the Services Solutions; and (ii) only to those products and services ordered by the Customer at the time that the Schneider Electric Services information is current. Schneider Electric may change the Schneider Electric Services Information at any time. The Customer will be notified of any change in the Schneider Electric Services Information in the manner stated in the then current product ordering and/or services solutions related agreement between Schneider Electric and the Customer, but any such change shall not apply to products or service ordered by the Customer prior to the date of such change.

Schneider Electric will have no obligations to provide Services Solutions with respect to equipment and assets that are outside the Service Area. "Schneider Electric Service Area" means a location that is within (i) one hundred (100) miles or one hundred and sixty (160) kilometers radius of a Schneider Electric service location; and (ii) the country in which the Installation site is located, unless otherwise defined in the governing agreement with Schneider Electric, in which case the definition in the governing agreement prevails.

Products or services obtained from any Schneider Electric partner or reseller are governed solely by the agreement between the purchaser and the reseller. That agreement may provide terms that are the same as the Schneider Electric Services Solutions on this document. Please contact the reseller or the local Schneider Electric sales representative for additional information on Schneider Electric Services Solutions on Products obtained from a reseller.

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