



AEGIS DATA CENTER SERVICES CIRCUIT TRACING SERVICE SUMMARY

Do you have concerns about rack power loading, capacity and UPS/PDU load balancing, but don't know where to begin?

The Aegis Data Tracing Circuit service provides verification and circuit identification of your power distribution system located in the data center. Aegis Data Center Services 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. This service also provides a power quality summary at the distribution and branch circuit level.

Features	Benefits
Circuit tracing of the 208/120 volt power distribution system	Traces circuits from the distribution panel or PDU to the corresponding rack(s) in the data center.
	Measures and documents branch circuit loads.
	Identifies circuit utilization of distribution panels and PDUs.
	Can be used as a planning tool for infrastructure upgrades or expansion.
Comprehensive data center report	Identifies power quality 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.



Circuit Tracing Service Summary

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.

Deliverables	
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.

For more information on this service and other services Aegis Data Center Services offer, contact us at 706-636-2721 or www.aegisdconsultings.com