



DCEP IT-Specialist Training

- 7:50 Registration (10 minutes)**
- 8:00 9. IT Specialist Training Introduction (20 minutes)**
Overview
Resources
- 8:20 10. IT as Basis for Data Centers (40 minutes)**
Data Center History
Compute and Storage Growth
Enterprise IT Architecture
- 9:00 11. Energy Terms and Metrics (30 minutes)**
Energy Math
Power and Density
Performance Metrics
- 9:30 Break (10 minutes)**
- 9:40 12. IT Asset Performance (30 minutes)**
IT Asset Performance
Energy Efficiency and Business Priorities
Cost Implications of Poorly Utilized Assets
- 10:10 13. IT Energy Usage (50 minutes)**
IT Equipment Types and Anatomy
Energy Use Patterns of IT Equipment
Things that Impact IT Device Energy Use and Best Practices
- 11:00 Lunch (60 minutes)**
- 12:00 14. Predicting and Measuring Energy Usage (50 minutes)**
Estimating Energy Usage
Tools and Techniques
Measuring/Modeling Energy Usage
- 12:50 15. Controlling IT Equipment Energy Usage; Remediation, Mitigation (80 minutes)**
Underutilization and Server Waste
IT Equipment Refresh
IT Power Management and Policies
- 2:10 Break (10 minutes)**
- 2:20 17. DOE IT Equipment Energy Assessment Tool (70 minutes)**
IT Equipment Inventory
Energy Saving Measures
Results
- 3:30 Exam (20 minutes)**
- 3:50 End of IT Specialist Training/Exam**
- 16. Winning Approval and Executing IT Energy Efficiency Projects (Self Study)**
Energy Performance as Indicator of Asset Performance
Benefits/Outcomes of Energy Improvement
Articulating Value