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