

## **SCTE 216 2015: Adaptive Power Systems Interface Specification (APSIS™)**

**Target Audience:** Network engineers, network architects, access network engineers, and critical facility engineers

### **What is SCTE 216?**

SCTE 216 enables cable operators to measure and control energy consumption associated with delivery of services.

### **What is the function of SCTE 216?**

SCTE 216 defines software interfaces that allow energy measurement and optimization applications to command and control devices within a service delivery pipeline.

### **What are the immediate and long-term benefits of adopting SCTE 216?**

- Provides common definitions for all manner of electronic device to report energy consumption and accept commands in a uniform and comparable way
- Creates a framework in which devices may interoperate with energy measurement and optimization applications
- Energy consumption patterns can be more closely matched to service delivery demand

### **How does SCTE 216 impact the industry and fit into Cable's Energy 2020 roadmap?**

- Provides the critical underpinnings for any number of energy measurement and optimization applications to be applied to a cable system
- Ensures consistent and reliable energy reporting metrics at the device level
- Enables operators to fine tune service delivery patterns to optimize reliability, customer experience, and energy consumption

### **What are some of the key provisions of SCTE 216?**

- Adopts international standards for device-level energy monitoring and controls, and is based on definitions provided by the IETF (Internet Engineering Task Force)
- Defines a high-level information model describing the energy related data points and control functions supported by compliant devices
- Provides definitions for a growing number of protocol 'bindings' to the information model and allows device manufacturers to choose which specific software protocols (e.g. SNMP, IPDR, etc.) to use to implement the standard

### **What can you do to achieve maximum benefit from implementing SCTE 216?**

- Specify support for SCTE 216 as a requirement in future device purchases
- Consider strategies to buy or build energy measurement and optimization applications that utilize the SCTE 216 framework
- Support cross industry efforts to identify impactful energy optimization approaches based on device and systems level energy management

### **How can you learn more about SCTE 216?**

[Download this standard](#), visit <http://www.scte.org/standards>, or email: [standards@scte.org](mailto:standards@scte.org)