

INFLUENCE AND SHAPE THE FUTURE OF TELECOMMUNICATIONS TECHNOLOGY



The SCTE/ISBE Standards Program is the industry's only ANSI-accredited forum for the development of technical specifications supporting cable telecommunications. Participating organizations apply their subject matter

expertise to guide the timely development and industry adoption of standards and operational best practices on topics related to the SCTE/ISBE Standards focus areas below. Get involved to make sure your organization is keeping up with the latest technologies—Join SCTE/ISBE Standards today.



Data Communications Standards

The SCTE/ISBE Standards Program has a long list of current and developing standards related to the transmission, test methods and monitoring of data communications over broadband networks. These standards include Data Over Cable Service Interface Specification (DOCSIS®) standards for data transmission over cable networks, and standards for IP voice over cable systems namely PacketCable specifications. As today's networks are constantly evolving, SCTE/ISBE's work in standardizing data communications continues to grow and thrive.



Digital Video Standards

A trip down the TV aisles at any electronics store will leave the shoppers dazzled with how UHD/4K displays and delivers the richest sound for their home entertainment experience. It is an exciting time to witness the digital video ecosystem racing to invent and bring home new and compact video and audio codecs that revolutionize how content is being consumed on connected and mobile devices. Industry experts across the globe are gearing up to realize this epic seismic shift taking place in the very near future, and members of the SCTE/ISBE Digital Video standards are ready for the ride! Act now and join the SCTE/ISBE Standards program to remain current on new forms of content distribution and dynamic ad insertion, next gen video/audio codecs (UHD, 4K/8K, HDR/WCG, HEVC/AVC, AC-4), advanced video transport (MPEG-DASH), digital rights management and encryption for content delivered over IP, and much more.



Energy Management Standards

Rising energy costs are a reality and something every business must address. Understanding ways to better manage those costs is vital to continued profitability. New markets have opened focusing on sustainable and energy efficient cable products and services. Through standards, best practices and thought leadership efforts, the SCTE/ISBE can help organizations control their costs and boost efficiencies. SCTE/ISBE Standards is developing standards and operational practices in several key areas to improve the application of environmentally friendly and sustainable procedures and products, to create solutions that provide cost optimization and increase overall performance.



Equipment & Cabling Standards

With the billions of components found across miles of broadband networks, it is important to ensure that all the pieces work together. This has been a major cornerstone in the SCTE/ISBE Standards Program. Standards for coaxial cables and connectors have been in existence since the program started in the early 1990's. Growing demand for the deployment of optical fiber, standards for fiber cables, connectors, and the interconnection between the two is the driving force for the equipment standards side of the SCTE/ISBE Standards Program.



Network Operations Standards

Service providers are operating highly competitive networks in ever increasing efficiency with less than 0.001% of downtime. SCTE/ISBE Standards in the network operations realm develop standards and recommended practices to monitor network transmission, prevent network failure, and provide information on how to quickly detect and correct points of failure. Current and developing standards in this area include network management protocols used for monitoring outside plant equipment and recommended measurement practices on cable systems. New efforts are addressing business continuity, disaster recovery, and wireless service management.

energy 2020

Energy 2020: Powering Cable's Success

Energy 2020 is a multi-year campaign developed by the SCTE/ISBE Energy Management Program to provide service providers with the new standards, technology innovation, organizational solutions and training designed to drive continued cable telecommunications network growth, availability and reliability. Service providers are leveraging SCTE/ISBE standards to drive efficiency and reduce the industry dependency on the electric grid. Make energy management a priority for your company and get involved — scte.org/energy2020

Learn More and Join Today at scte.org/standards/join

SCTE/ISBE: Essential Knowledge for Cable Professionals™

