Michael A. Dolan is founder and president of Television Broadcast Technology, providing specialized professional encoders, test tools, and technical consulting in the field of digital television. He holds a BSEE degree from Virginia Tech and has worked for and founded various leading-edge computer graphics and realtime systems companies, including early foundational work in W3C technology and analog data broadcasting. Dolan has been involved in digital television engineering for the past eight years, including data broadcast system architecture and digital receiver design and compliance. He also currently chairs the ATSC Data Broadcasting Specialist Group (TSG/S13) and is active in the Consumer Electronics Association (CEA) and the Society of Cable Telecommunications Engineers (SCTE). A SMPTE Fellow, Dolan authors the SMPTE Journal Almanac column, and holds several patents in computer web technology.

Broadband (23B) **Birney Dayton, Chair**

The 23B committee was created to develop standards for delivery of content via broadband channels including the Internet. The inaugural meeting was held in Hollywood in October 2008. Two ad hoc groups have been formed to deal with specific aspects of the assignment.

CONTAINER AD HOC GROUP (MIKE DOLAN, CHAIR)

This group was formed to specify an open, interoperable multimedia container format for use in broadband to support multiple essence formats and interactive formats; ensure the content can be delivered, identified, protected, played, copied, and recorded to physical formats such as DVD; and identify needed metadata sets. The group has evaluated a wide variety of existing technology and is in the process of completing detailed requirements and use cases, after which the group plans to liaise with external standards organizations and draft an appropriate Engineering Document.

CAPTIONS AD HOC GROUP (CRAIG CUTTNER, CHAIR)

This new group was formed to determine the interoperability requirements for distributing digital content captioning information and subtitles via the Internet for contribution and consumer consumption. This minimally includes identifying the functional requirements for Internet content that will work on a global basis and in multiple languages. This group has been developing liaisons with other organizations to harmonize captioning approaches to minimize authoring/re-authoring and to provide maximum interoperability. The group has been collecting information and is in the process of developing standards.

Birney Dayton has been active in the broadcast industry since 1968. In 1973, he joined Grass Valley Group, Inc., and for the next 16 years he designed and managed the design of many products. In 1989, Dayton with two others, founded NVISION, Inc. In December 2008 Miranda Technologies acquired NVISION. Dayton is currently director of technology for Miranda.

Over the past 30 years, Dayton has spent considerable time working on industry committees helping to advance the state of the art. He was involved in the development of SMPTE analog and digital component video standards and was technical chair of the SMPTE High Definition Electronic Production working group and subsequently chaired the new technology committees, S22 and 22TV. He is currently chair of the 23B technical committee. He also chaired the Systems Analysis working party of the Advisory Committee on Advanced Television Service.

Dayton has authored numerous industry papers, has served as a governor of SMPTE, is a Fellow of SMPTE, and in 2008 was awarded the SMPTE Progress Medal. He currently holds 16 patents.

Craig Cuttner is senior vice president, advanced technology, for Home Box Office, responsible for all projects in the areas of video and audio distribution systems, and distribution–related computer and communications systems. This includes satellites, compression, DRM and related technologies including HDTV, SVOD and wireless services to cell phones in the U.S. and worldwide.

Cuttner serves on several industry committees, and has been active in HDTV since the late 1980s, contributing to many aspects of HDTV industry-wide.

Cuttner has several patents and patents pending. He is a SMPTE Fellow.