



***Society of Cable  
Telecommunications  
Engineers***

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**ENGINEERING COMMITTEE  
Digital Video Subcommittee**

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**AMERICAN NATIONAL STANDARD**

**ANSI/SCTE 104 2014**

**Automation System to Compression System  
Communications Applications Program Interface (API)**

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## AUTOMATION SYSTEM – COMPRESSION SYSTEM COMMUNICATIONS API

### 1.0 SCOPE

This standard defines the Communications API between an Automation System and the associated Compression System that will insert SCTE 35 private sections into the outgoing Transport Stream. This standard serves as a companion to both SCTE 35 and SCTE 30.

### 2.0 DEFINITIONS AND ACRONYMS

Throughout this document, the terms used have specific meanings. Because some of the terms that are defined in ISO/IEC 13818-1 have very specific technical meanings, the reader is referred to the original source for their definition. For terms used in this document, brief definitions are given below.

**Table 2-1 - Terms and Acronyms**

<b>TERM</b>	<b>DESCRIPTION</b>
<b>API</b>	Application Program Interface. A mechanism whereby one software system asks another software system to perform a service.
<b>API Connection</b>	A communications connection between an Automation System and an Injector for transferring API messages.
<b>AS</b>	Automation System
<b>ATSC</b>	Advanced Television Systems Committee
<b>Automation System</b>	A control system for a program origination facility which controls operation of the production facilities and devices.
<b>Avail</b>	Time space provided to cable operators by cable programming services during a program for use by the CATV operator; the time is usually sold to local advertisers or used for channel self promotion.
<b>Basic</b>	A category of Request or Response operation supported by this API. See Section 7.3.
<b>backoff</b>	A mechanism, commonly used in data communications, to randomize the interval between retries.
<b>BER</b>	Abbreviation for bit-error rate.