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Telecommunications
Engineers***

**ENGINEERING COMMITTEE
Digital Video Subcommittee**

SCTE 104 2013

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

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TABLE OF CONTENTS

AUTOMATION SYSTEM – COMPRESSION SYSTEM COMMUNICATIONS API	1
1.0 SCOPE	1
2.0 DEFINITIONS AND ACRONYMS	1
3.0 NORMATIVE REFERENCES	6
3.1 SCTE REFERENCES.....	7
3.2 STANDARDS FROM OTHER ORGANIZATIONS	7
4.0 INFORMATIVE REFERENCES	7
4.1 SCTE REFERENCES.....	8
4.2 STANDARDS FROM OTHER ORGANIZATIONS	8
4.3 PUBLISHED MATERIALS	9
5.0 OVERVIEW	9
6.0 DATA COMMUNICATIONS	13
6.1 CONCERNING DATA COMMUNICATIONS (INFORMATIVE)	13
6.2 DATA COMMUNICATIONS REQUIREMENTS FOR THIS API (NORMATIVE)	13
6.3 CONVEYANCE QUALITY-OF-SERVICE CONSIDERATIONS (INFORMATIVE).....	14
6.4 UNI-DIRECTIONAL SYSTEM CONSIDERATIONS (INFORMATIVE).....	14
6.5 PROXY DEVICES (NORMATIVE).....	15
7.0 MESSAGE FORMATS	15
7.1 TERMINOLOGY (INFORMATIVE).....	15
7.2 MESSAGE STRUCTURES (NORMATIVE).....	16
7.3 OPERATION TYPES (NORMATIVE)	24
7.4 CONVENTIONS AND REQUIREMENTS	30
8.0 AUTOMATION SYSTEM TO INJECTOR COMMUNICATION	31
8.1 INITIALIZATION	31
8.2 ALIVE (“HEARTBEAT”) COMMUNICATIONS	33
8.3 SPLICE REQUESTS	35
8.4 ENCRYPTION SUPPORT (NORMATIVE)	42
8.5 COMPONENT MODE SUPPORT	45
8.6 RESPONSE MESSAGES	46
8.7 SCTE 35 SPLICE_SCHEDULE() SUPPORT REQUESTS	50
8.8 MISCELLANEOUS REQUESTS	56
9.0 PAMS TO THE AUTOMATION SYSTEM COMMUNICATIONS	66
9.1 SYSTEM DESIGN PHILOSOPHY	66
9.2 PAMS FUNCTIONALITY	67
9.3 SERVICE CONTINUITY	69

9.4	SYSTEM INITIALIZATION MESSAGES.....	69
9.5	INJECTOR SERVICE NOTIFICATION.....	71
9.6	FAILURE NOTIFICATION MESSAGES (DEVICE OR COMMUNICATIONS)	75
9.7	PAMS TO AS PERMANENT “LINK ALIVE” MESSAGES.....	77
9.8	PAMS TO AS COMMON ELEMENTS	78
10.0	PAMS TO INJECTOR COMMUNICATIONS (INFORMATIVE).....	79
10.1	THE PAMS IMPLEMENTATION	80
10.2	INJECTOR PROVISIONING.....	80
10.3	PAMS STRUCTURE	80
10.4	SUPPORT OF MULTIPLE DPI PIDS	80
11.0	COMMON ELEMENTS.....	81
11.1	VALUES OF SPLICE_EVENT_ID USED IN THIS INTERFACE.....	81
11.2	VALUES OF UNIQUE_PROGRAM_ID USED IN THIS INTERFACE	81
11.3	MINIMUM PRE-ROLL TIME SUPPORTED BY THIS INTERFACE.....	81
11.4	TIME() DEFINITION	82
11.5	TIMESTAMP() DEFINITION.....	83
12.0	SYSTEM ARCHITECTURE AND PROVISIONING (INFORMATIVE).....	85
12.1	ONE WAY PROTOCOL – AUTOMATION SYSTEM TO INJECTOR	85
12.2	TWO WAY PROTOCOL – AUTOMATION SYSTEM TO INJECTOR ONLY	96
12.3	TWO WAY PROTOCOL – AUTOMATION SYSTEM TO INJECTOR WITH PAMS	116
13.0	RESULT CODES (NORMATIVE).....	128
APPENDIX A: TCP/IP CONVEYANCE		131
APPENDIX B: ANSI/TIA/EIA-232-F CONVEYANCE		131
B.1	THE BASIC LINK LAYER SYNTAX.....	132
B.2	THE ESCAPE SEQUENCE	133
APPENDIX C: DIGITAL VIDEO SYSTEM CONVEYANCE (INFORMATIVE)		133
APPENDIX D: ANALOG VIDEO SYSTEM CONVEYANCE		133

LIST OF FIGURES

FIGURE 5-1 – SCTE 35 OVERALL SYSTEM BLOCK DIAGRAM WITH BI-DIRECTIONAL DATA COMMUNICATIONS 11

FIGURE 5-2 – SCTE 35 OVERALL SYSTEM BLOCK DIAGRAM WITH UNIDIRECTIONAL DATA COMMUNICATIONS 12

FIGURE 8-1 - MULTIPLE_OPERATION_MESSAGE() TO SCTE 35 SECTION FIELD MAPPING (INFORMATIVE)..... 41

FIGURE 12-1 - ONE-WAY PROTOCOL EMBEDDED IN VIDEO WITH INTEGRATED INJECTOR..... 86

FIGURE 12-2 - ONE-WAY PROTOCOL WITH MULTIPLE AS TO EXTERNAL INJECTOR 87

FIGURE 12-3 - ONE-WAY FLOW DIAGRAM WITH DELAYED PROCESSING..... 94

FIGURE 12-4 - ONE-WAY FLOW DIAGRAM FOR EARLY RETURN 95

FIGURE 12-5 - TWO-WAY BLOCK DIAGRAM WITH INTERNAL INJECTOR 96

FIGURE 12-6 - TWO-WAY BLOCK DIAGRAM WITH EXTERNAL INJECTOR..... 97

FIGURE 12-7 - TWO-WAY FLOW DIAGRAM FOR INITIALIZATION 109

FIGURE 12-8 - TWO-WAY FLOW DIAGRAM WITH DELAYED PROCESSING..... 110

FIGURE 12-9 - TWO-WAY FLOW DIAGRAM WITH IMMEDIATE PROCESSING 111

FIGURE 12-10 – TWO-WAY FLOW DIAGRAM FOR EARLY RETURN..... 112

FIGURE 12-11 - TWO-WAY CANCELLATION BEFORE BEING PROCESSED..... 113

FIGURE 12-12 - TWO-WAY CANCELLATION AFTER BEING PROCESSED..... 114

FIGURE 12-13 - TWO-WAY FLOW DIAGRAM CANCEL AFTER SPLICE POINT 115

FIGURE 12-14 - TWO-WAY BLOCK DIAGRAM WITH INTERNAL INJECTOR 117

FIGURE 12-15 - TWO-WAY BLOCK DIAGRAM WITH EXTERNAL INJECTOR..... 118

FIGURE 12-16 – AS/PAMS FLOW DIAGRAM FOR INITIALIZATION 123

FIGURE 12-17 - PAMS TWO-WAY INITIALIZATION OF A PERMANENT CONNECTION 124

FIGURE 12-18 - PAMS DETECTS AN INJECTOR FAILURE..... 125

FIGURE 12-19 - AS DETECTS AN INJECTOR FAILURE..... 126

FIGURE 12-20 - INJECTOR SOCKET FAILED AND RECOVERED..... 127

LIST OF TABLES

TABLE 2-1 - TERMS AND ACRONYMS 1

TABLE 2-2 - WIDELY USED TERMS AND ACRONYMS (INFORMATIVE) 6

TABLE 7-1 - SINGLE OPERATION MESSAGE..... 19

TABLE 7-2 - MULTIPLE OPERATION MESSAGE 22

TABLE 7-3 - OPID ASSIGNED VALUES AND MEANINGS FOR SINGLE_OPERATION_MESSAGES 25

TABLE 8-1 - INIT_REQUEST_DATA	32
TABLE 8-2 - INIT_RESPONSE_DATA	32
TABLE 8-3 - ALIVE_REQUEST_DATA	34
TABLE 8-4 - ALIVE_RESPONSE_DATA	34
TABLE 8-5 - SPLICE_REQUEST_DATA.....	35
TABLE 8-6 - SPLICE_INSERT_TYPE ASSIGNED VALUES.....	37
TABLE 8-8 - ENCRYPTED_DPI_REQUEST_DATA	43
TABLE 8-9 - UPDATE_CONTROLWORD_DATA	44
TABLE 8-10 - DELETE_CONTROLWORD_DATA.....	45
TABLE 8-11 - COMPONENT_MODE_DPI_REQUEST_DATA	46
TABLE 8-12 - GENERAL_RESPONSE_DATA	47
TABLE 8-14 - INJECT_RESPONSE DATA.....	48
TABLE 8-16 - INJECT_COMPLETE RESPONSE DATA.....	49
TABLE 8-18 - START_SCHEDULE_DOWNLOAD_REQUEST_DATA	51
TABLE 8-19 - SCHEDULE_DEFINITION_DATA	53
TABLE 8-20 - SPLICE_SCHEDULE COMMAND TYPE ASSIGNED VALUES	53
TABLE 8-21 - SCHEDULE_COMPONENT_REQUEST_MODE.....	54
TABLE 8-22 - TRANSMIT_SCHEDULE_REQUEST_DATA.....	55
TABLE 8-23 - TIME_SIGNAL_REQUEST_DATA.....	56
TABLE 8-24 - SPLICE_NULL_REQUEST_DATA	57
TABLE 8-25 - INJECT_SECTION_DATA_REQUEST.....	58
TABLE 8-26 - INSERT_AVAIL_DESCRIPTOR_REQUEST_DATA	59
TABLE 8-27 - INSERT_DESCRIPTOR_REQUEST_DATA.....	60
TABLE 8-28 - INSERT_DTMF_DESCRIPTOR_REQUEST_DATA.....	61
TABLE 8-30 - PROPRIETARY_COMMAND_REQUEST_DATA	64
TABLE 8-31 - INSERT_TIER_DATA	65
TABLE 9-1 - CONFIG_REQUEST_DATA	69
TABLE 9-2 - CONFIG_RESPONSE_DATA	71
TABLE 9-3 - PROVISIONING_REQUEST_DATA.....	73
TABLE 9-5 - FAULT_REQUEST_DATA	76
TABLE 9-7 - AS_ALIVE_REQUEST_DATA	78
TABLE 9-8 - AS_ALIVE_RESPONSE_DATA	78
TABLE 9-9 - INJECTOR_COMPONENT_LIST()	79
TABLE 11-1 - TIME().....	82
TABLE 11-2 - TIMESTAMP()	83
TABLE 12-1 – SUPPORTED PROTOCOL MESSAGES.....	90
TABLE 12-2 – UNSUPPORTED PROTOCOL MESSAGES.....	91
TABLE 12-3 – OPTIONAL PROTOCOL MESSAGES.....	92
TABLE 12-4 – UNUSED PAMS PROTOCOL MESSAGES	93
TABLE 12-5 – SUPPORTED PROTOCOL MESSAGES.....	103
TABLE 12-6 – SUPPORTED PROTOCOL MESSAGES (CON’T).....	105
TABLE 12-7 – OPTIONAL PROTOCOL MESSAGES.....	107
TABLE 12-8 – UNUSED PAMS PROTOCOL MESSAGES	108
TABLE 13-1 - RESULT CODES	128
TABLE B-1 - SERIAL_LINKLAYER STRUCTURE.....	132

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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

TERM	DESCRIPTION
API	Application Program Interface. A mechanism whereby one software system asks another software system to perform a service.
API Connection	A communications connection between an Automation System and an Injector for transferring API messages.
AS	Automation System
ATSC	Advanced Television Systems Committee
Automation System	A control system for a program origination facility which controls operation of the production facilities and devices.
Avail	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.
Basic	A category of Request or Response operation supported by this API. See Section 7.3.
backoff	A mechanism, commonly used in data communications, to randomize the interval between retries.
BER	Abbreviation for bit-error rate.