

WAVE and AVI Codec Registries

Status of this Memo

This memo provides information for the Internet community. It does not specify an Internet standard of any kind. Distribution of this memo is unlimited.

Copyright Notice

Copyright (C) The Internet Society (1998). All Rights Reserved.

Abstract

Internet applications may reference specific codecs within the WAVE and AVI registries as follows:

- * video/vnd.avi; codec=XXX identifies a specific video codec (i.e., XXX) within the AVI Registry.
- * audio/vnd.wave; codec=YYY identifies a specific audio codec (i.e., YYY) within the WAVE Registry.

Appendix A and Appendix B provides an authoritative reference for the interpretation of the required "codec" parameter. That is, the current set of audio codecs that are registered within the WAVE Registry are enumerated in Appendix A. Appendix B enumerates the current set of video codecs that have been registered to date within the AVI Registry.

1 Introduction

Internet-oriented multimedia applications reference multimedia content via predefined mechanisms (e.g., [2]). In the general case, this content was created primarily for the use of these Internet-oriented applications. Unfortunately, this Internet-oriented multimedia content represents a small minority of the total amount of multimedia content that has been created to date.

For this reason, a growing interest is forming in establishing mechanisms by which the repertoire of multimedia content available to Internet-oriented applications (e.g., for RTSP [3]) may be greatly extended to include multimedia content that has been created outside of distinctly Internet contexts. For this to occur, a mechanism must

be created for Internet protocols (e.g., [1], [3], [4]) to be able to identify the codecs by which this so-called "traditional" multimedia content has been encoded.

Unfortunately, several distinct encoding systems exist for traditional multimedia content. Each system has its own registry to ensure unique and stable codec identifications within that system. Perhaps the best known of these registries are Microsoft (for WAVE and AVI content) and Apple (for QuickTime content).

The purpose of this paper is to establish a mechanism by which codecs registered within Microsoft's WAVE and AVI Registries may be referenced within the IANA Namespace by Internet applications.

2 References to Registries within the IANA Vendor Tree

Reference [7] specifies that the IANA Namespace encompasses several trees. Discussions within the IETF-Types mailing list concluded that the most appropriate tree in which to reference codecs, which had already been registered by non-IANA Registries, is the Vendor Tree.

As a result, the non-IANA registry is identified within the IANA Vendor tree by `vnd.RegistryName`. A specific codec, which has been registered within that registry, is identified by a required codec parameter as specified by Section 2.2.3 of [7].

3 WAVE and AVI Registries

Both the WAVE and AVI Registries are historic databases that have been maintained by Microsoft as a free service. The Registries sought to assist developers of WAVE and AVI content and to standardize WAVE and AVI content by

- 1) avoiding conflict and/or duplication with current definitions, and
- 2) providing the registered information in a standard document and format that is publicly available.

The historic nature of these databases implies that unless the original registrants informed the registrar of a change of status (e.g., company acquired, new contact, new location, new phone), the contact information has generally not been updated from the originally registered values.

Audio codecs within the WAVE Registry are identified by WAVE Format IDs. The (audio) WAVE Format ID is officially known as "WAVE form Registration Number". The WAVE Format ID is a hexadecimal integer value. These codecs may be referenced within the IANA namespace as

"audio/vnd.wave; codec=XXX", where XXX represents a valid WAVE Format ID (e.g., the WAVE Format ID of "123" is referenced within the IANA namespace by "audio/vnd.wave; codec=123").

Video codecs within the AVI Registry are identified by AVI Codec IDs. The AVI Codec ID value is a FourCC encoding. A FourCC is 32-bits long and represents a (case-sensitive) four-character (i.e., ASCII) code value. These codecs may be referenced within the IANA namespace as "video/vnd.avi; codec=XXX", where XXX represents a valid AVI Codec ID (e.g., the WAVE Format ID of "SCRN" is referenced within the IANA namespace by "video/vnd.avi; codec=SCRN").

Appendix A is an authoritative list of the complete set of audio codecs that have been registered (as of January 1998) within the WAVE Registry. Appendix B is an authoritative list of the complete set of video codecs that have been registered (as of January 1998) within the AVI registry.

4 Mapping Codec IDs to GUID Values

Direct mappings exist between WAVE Format IDs and GUIDs and between FourCC codec values and GUIDs [5]. [Note: GUIDs are Globally Unique Identifiers that are also known as Universally Unique Identifiers (UUIDs). UUIDs have been standardized within the Open Software Foundation's (OSF) Distributed Computing Environment (DCE).] These mappings enable GUID-oriented software to directly refer to these historic codec values. For example, the Advanced Streaming Format (ASF) [6] uses GUID values to refer to codecs, and the following mechanism is used to convert the historic WAVE and AVI codec values into the appropriate GUID value for use within ASF.

WAVE Format IDs are converted to GUIDs by inserting the hexadecimal value of the WAVE Format ID into the XXXXXXXX part of the following template: {XXXXXXXX-0000-0010-8000-00AA00389B71}. For example, a WAVE Format ID of 123 has the GUID value of {00000123-0000-0010-8000-00AA00389B71}.

FourCC values are converted to GUIDs by inserting the FourCC value into the XXXXXXXX part of the same template: {XXXXXXXX-0000-0010-8000-00AA00389B71}. For example, a conversion of the FourCC value of "H260" would result in the GUID value of {30363248-0000-0010-8000-00AA00389B71}. [Note: the 32-bit FourCC value of "H260" is converted into hexadecimal 32-bit value (i.e., 30363248) because the initial XXXXXXXX of the GUID is defined as a DWORD and thus takes a 32-bit hexadecimal value. Endian considerations account for the apparent re-ordering of the original ASCII text.]

5 Security Considerations

This document merely registers a set of formats. It does nothing to address the security considerations of these formats. The format itself must be investigated for security issues with each format.

Author's Address

Eric Fleischman
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

EMail: ericfl@microsoft.com
<http://www.microsoft.com/asf/>

Subsequent to this submittal the author has changed employers. He now can be reached at:

The Boeing Company
PO Box 3707, MS 7M-FM
Seattle, WA 98124-2207

Phone: 425-865-2424
EMail: Eric.Fleischman@PSS.Boeing.com

References

- [1] Schulzrinne, H., Casner, S., Frederick, R., and V. Jacobson, "RTP: A Transport Protocol for Real-Time Applications", RFC 1889, January 1996.
- [2] Schulzrinne, H., "RTP Profile for Audio and Video Conferences with Minimal Control", RFC 1890, January 1996.
- [3] Schulzrinne, H., Rao, A., and R. Lanphier, "Real Time Streaming Protocol (RTSP)", RFC 2326, April 1998.
- [4] Handley, M., and V. Jacobson, "SDP: Session Description Protocol", RFC 2327, April 1998.
- [5] "ASF Codec GUIDs", <http://www.microsoft.com/asf/guids.htm>
- [6] Microsoft Corporation, "Advanced Streaming Format (ASF) Specification", September 1997, <http://www.microsoft.com/asf/specs.htm>.
- [7] Freed, N., Klensin, J., and J. Postel, "Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures", RFC 2048, November 1996.

Appendix A Audio Codecs from the Microsoft WAVE Registry

A.1 Microsoft Unknown Wave Format

WAVE form Registration Number (hex): 0x0000
Codec ID in the IANA Namespace: audio/vnd.wave;codec=0
WAVE form wFormatTag ID: WAVE_FORMAT_UNKNOWN
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.2 Microsoft PCM Format

WAVE form Registration Number (hex): 0x0001
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1
WAVE form wFormatTag ID: WAVE_FORMAT_PCM
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.3 Microsoft ADPCM Format

WAVE form Registration Number (hex): 0x0002
Codec ID in the IANA Namespace: audio/vnd.wave;codec=2
WAVE form wFormatTag ID: WAVE_FORMAT_ADPCM
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.4 IEEE Float

WAVE form Registration Number (hex): 0x0003
Codec ID in the IANA Namespace: audio/vnd.wave;codec=3
WAVE form wFormatTag ID: WAVE_FORMAT_IEEE_FLOAT
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.5 Compaq Computer's VSELP

WAVE form Registration Number (hex): 0x0004
Codec ID in the IANA Namespace: audio/vnd.wave;codec=4
WAVE form wFormatTag ID: WAVE_FORMAT_VSELP
Additional information: VSELP codec for Windows CE 2.0 devices
Contact:
Doug Stewart
713-374-7925
Compaq Computer Corporation
20555 SH 249
Houston, TX 77269-2000 USA

A.6 IBM CVSD

WAVE form Registration Number (hex): 0x0005
Codec ID in the IANA Namespace: audio/vnd.wave;codec=5
WAVE form wFormatTag ID: WAVE_FORMAT_IBM_CVSD
Contact:
IBM Corporation

A.7 Microsoft ALAW

WAVE form Registration Number (hex): 0x0006
Codec ID in the IANA Namespace: audio/vnd.wave;codec=6
WAVE form wFormatTag ID: WAVE_FORMAT_ALAW
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.8 Microsoft MULAW

WAVE form Registration Number (hex): 0x0007
Codec ID in the IANA Namespace: audio/vnd.wave;codec=7
WAVE form wFormatTag ID: WAVE_FORMAT_MULAW
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.9 OKI ADPCM

WAVE form Registration Number (hex): 0x0010
Codec ID in the IANA Namespace: audio/vnd.wave;codec=10
WAVE form wFormatTag ID: WAVE_FORMAT_OKI_ADPCM
Contact:
Oki

A.10 Intel's DVI ADPCM

WAVE form Registration Number (hex): 0x0011
Codec ID in the IANA Namespace: audio/vnd.wave;codec=11
WAVE form wFormatTag ID: WAVE_FORMAT_DVI_ADPCM
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, OR 97124
503-696-2448

A.11 Videologic's MediaSpace ADPCM

WAVE form Registration Number (hex): 0x0012
Codec ID in the IANA Namespace: audio/vnd.wave;codec=12
WAVE form wFormatTag ID: WAVE_FORMAT_MEDIASPACE_ADPCM
Contact:
Videologic
Home Park Estate
Kings Langley England WD4 8LZ
Telephone: 44-92-326-0511

A.12 Sierra ADPCM

WAVE form Registration Number (hex): 0x0013
Codec ID in the IANA Namespace: audio/vnd.wave;codec=13
WAVE form wFormatTag ID: WAVE_FORMAT_SIERRA_ADPCM
Contact:
Stuart Goldstein
72170.301@compuserve.com
Sierra Semiconductor Corp
2075 North Capitol Avenue
San Jose, California 95132 USA
408-263-9300

A.13 G.723 ADPCM

WAVE form Registration Number (hex): 0x0014
Codec ID in the IANA Namespace: audio/vnd.wave;codec=14
WAVE form wFormatTag ID: WAVE_FORMAT_G723_ADPCM
Contact:
Bob Bauman
310-532-3092
Antex Electronics Coporation
3184-H Airway Ave.
Costa Mesa, California 92627 USA

A.14 DSP Solution's DIGISTD

WAVE form Registration Number (hex): 0x0015
Codec ID in the IANA Namespace: audio/vnd.wave;codec=15
WAVE form wFormatTag ID: WAVE_FORMAT_DIGISTD
Contact:
DSP Solutions, Inc
2464 Embarcadero Way
Palo Alto, California 94303 USA
415-494-8086

A.15 DSP Solution's DIGIFIX

WAVE form Registration Number (hex): 0x0016
Codec ID in the IANA Namespace: audio/vnd.wave;codec=16
WAVE form wFormatTag ID: WAVE_FORMAT_DIGIFIX
Contact:
DSP Solutions, Inc
2464 Embarcadero Way
Palo Alto, California 94303 USA
415-494-8086

A.16 Dialogic OKI ADPCM

WAVE form Registration Number (hex): 0x0017
Codec ID in the IANA Namespace: audio/vnd.wave;codec=17
WAVE form wFormatTag ID: WAVE_FORMAT_DIALOGIC_OKI_ADPCM
WAVEFORMAT use: for OKI ADPCM chips or firmware
Contact:
Dialogic Corporation
300 Littleton Road
Parsippany, NJ 07054 USA
201-334-1268

A.17 MediaVision ADPCM

WAVE form Registration Number (hex): 0x0018
Codec ID in the IANA Namespace: audio/vnd.wave;codec=18
WAVE form wFormatTag ID: WAVE_FORMAT_MEDIASPEECH
WAVEFORMAT Name: ADPCM for Jazz 16 chip set
Contact:
Alex Cheng
Media Vision, Inc
California USA

A.18 HP CU

WAVE form Registration Number (hex): 0x0019
Codec ID in the IANA Namespace: audio/vnd.wave;codec=19
WAVE form wFormatTag ID: WAVE_FORMAT_HP_CU
Contact:
Cliff Chiang
Telephone: 65-3747005
Hewlett-Packard Company
452 Alexandra Road
Singapore 119961 Singapore

A.19 Yamaha ADPCM

WAVE form Registration Number (hex): 0x0020
Codec ID in the IANA Namespace: audio/vnd.wave;codec=20
WAVE form wFormatTag ID: WAVE_FORMAT_YAMAHA_ADPCM
Contact:
Yamaha Corporation of America
Systems Technology Division
981 Ridder Park Drive
San Jose, California 95131 USA
408-437-3133

A.20 Speech Compression's Sonarc

WAVE form Registration Number (hex): 0x0021
Codec ID in the IANA Namespace: audio/vnd.wave;codec=21
WAVE form wFormatTag ID: WAVE_FORMAT_SONARC
Contact:
Speech Compression

A.21 DSP Group's True Speech

WAVE form Registration Number (hex): 0x0022
Codec ID in the IANA Namespace: audio/vnd.wave;codec=22
WAVE form wFormatTag ID: WAVE_FORMAT_DSPGROUP_TRUESPEECH
Contact:
DSP Group, Inc
2464 Embarcadero Way
Palo Alto, California 94303 USA
415-494-8086

A.22 Echo Speech's EchoSC1

WAVE form Registration Number (hex): 0x0023
Codec ID in the IANA Namespace: audio/vnd.wave;codec=23
WAVE form wFormatTag ID: WAVE_FORMAT_ECHOSC1
Contact:
Billy Brackenridge
billy@isi.edu
Echo Speech Corporation
6460 Via Real
Carpinteria, California 93013 USA
805-684-4593

A.23 Audiofile AF36

WAVE form Registration Number (hex): 0x0024
Codec ID in the IANA Namespace: audio/vnd.wave;codec=24
WAVE form wFormatTag ID: WAVE_FORMAT_AUDIOFILE_AF36
Contact:
Alan Miller
617-271-0900
Virtual Music, Inc.
19 Crosby Drive
Bedford, MA 01730-1419 USA

A.24 APTX

WAVE form Registration Number (hex): 0x0025
Codec ID in the IANA Namespace: audio/vnd.wave;codec=25
WAVE form wFormatTag ID: WAVE_FORMAT_APTX
Contact:
Calypso Software
Audio Processing Technology
Edgewater Road
Belfast, Northern Ireland
44-232-371110

A.25 AudioFile AF10

WAVE form Registration Number (hex): 0x0026
Codec ID in the IANA Namespace: audio/vnd.wave;codec=26
WAVE form wFormatTag ID: WAVE_FORMAT_AUDIOFILE_AF10
Contact:
Alan Miller
617-271-0900
Virtual Music, Inc.
19 Crosby Drive
Bedford, MA 01730-1419 USA

A.26 Prosody 1612

WAVE form Registration Number (hex): 0x0027
Codec ID in the IANA Namespace: audio/vnd.wave;codec=27
WAVE form wFormatTag ID: WAVE_FORMAT_PROSODY_1612
Additional Information: Prosody CTI Speech Card
Contact:
Phil Cambridge
Phil.Cambridge@aculab.com
Aculab plc
Lakeside, Bramley Road
Mount Farm, Milton Keynes MK1 1PT UK
+44 1908 273800

A.27 LRC

WAVE form Registration Number (hex): 0x0028
Codec ID in the IANA Namespace: audio/vnd.wave;codec=28
WAVE form wFormatTag ID: WAVE_FORMAT_LRC
Contact:
Patrick Wassmer
pwassmer@merging.com
+41 21 931 50 11
Merging Technologies S.A.
Le Verney, E
Puidoux, Switzerland CH-1604

A.28 Dolby AC2

WAVE form Registration Number (hex): 0x0030
Codec ID in the IANA Namespace: audio/vnd.wave;codec=30
WAVE form wFormatTag ID: WAVE_FORMAT_DOLBY_AC2
Contact:
Dolby Laboratories
100 Portrero Avenue
San Francisco, California 94103-4813 USA
415-558-0200

A.29 GSM610

WAVE form Registration Number (hex): 0x0031
Codec ID in the IANA Namespace: audio/vnd.wave;codec=31
WAVE form wFormatTag ID: WAVE_FORMAT_GSM610
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.30 MSNAudio

WAVE form Registration Number (hex): 0x0032
Codec ID in the IANA Namespace: audio/vnd.wave;codec=32
WAVE form wFormatTag ID: WAVE_FORMAT_MSNAUDIO
WAVEFORMAT Name: Microsoft MSN Audio Codec
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.31 Antex ADPCME

WAVE form Registration Number (hex): 0x0033
Codec ID in the IANA Namespace: audio/vnd.wave;codec=33
WAVE form wFormatTag ID: WAVE_FORMAT_ANTEX_ADPCME
Contact:
Bob Bauman
Antex Electronics Corporation
3184-H Airway Ave.
Costa Mesa, California 92627 USA
310-532-3092

A.32 Control Res VQLPC

WAVE form Registration Number (hex): 0x0034
Codec ID in the IANA Namespace: audio/vnd.wave;codec=34
WAVE form wFormatTag ID: WAVE_FORMAT_CONTROL_RES_VQLPC
Contact:
Charles Larson
Control Resources Limited
PO Box 8694
Roland Heights, California 91748 USA
818-912-5722

A.33 Digireal

WAVE form Registration Number (hex): 0x0035
Codec ID in the IANA Namespace: audio/vnd.wave;codec=35
WAVE form wFormatTag ID: WAVE_FORMAT_DIGIREAL
Contact:
DSP Solutions, Inc
2464 Embarcadero Way
Palo Alto, California 94303 USA
415-494-8086

A.34 DigiADPCM

WAVE form Registration Number (hex): 0x0036
Codec ID in the IANA Namespace: audio/vnd.wave;codec=36
WAVE form wFormatTag ID: WAVE_FORMAT_DIGIADPCM
Contact:
DSP Solutions, Inc
2464 Embarcadero Way
Palo Alto, California 94303 USA
415-494-8086

A.35 Control Res CR10

WAVE form Registration Number (hex): 0x0037
Codec ID in the IANA Namespace: audio/vnd.wave;codec=37
WAVE form wFormatTag ID: WAVE_FORMAT_CONTROL_RES_CR10
Contact:
Charles Larson
Control Resources Limited
PO Box 8694
Roland Heights, California 91748 USA
818-912-5722

A.36 NMS VBXADPCM

WAVE form Registration Number (hex): 0x0038
Codec ID in the IANA Namespace: audio/vnd.wave;codec=38
WAVE form wFormatTag ID: WAVE_FORMAT_NMS_VBXADPCM
Contact:
Joel Feldman, Steve Mors
Natural MicroSystems

A.37 Roland RDAC

WAVE form Registration Number (hex): 0x0039
Codec ID in the IANA Namespace: audio/vnd.wave;codec=39
WAVE form wFormatTag ID: WAVE_FORMAT_ROLAND_RDAC
WAVEFORMAT Name: Roland RDAC Proprietary format
Contact:
Takera Tanigawa
email: tanigawa@roland.co.jp
001-81-6-682-4584

A.38 EchoSC3

WAVE form Registration Number (hex): 0x003A
Codec ID in the IANA Namespace: audio/vnd.wave;codec=3A
WAVE form wFormatTag ID: WAVE_FORMAT_ECHOSC3
WAVEFORMAT Description: Proprietary compressed format
Contact:
Billy Brackenridge
billy@isi.edu
Echo Speech Corporation
6460 Via Real
Carpinteria, California 93013 USA
805-684-4593

A.39 Rockwell ADPCM

WAVE form Registration Number (hex): 0x003B
Codec ID in the IANA Namespace: audio/vnd.wave;codec=3B
WAVE form wFormatTag ID: WAVE_FORMAT_ROCKWELL_ADPCM
WAVEFORMAT Name: Rockwell ADPCM
Contact:
Rockwell International
Digital Communications Division
4311 Jamboree Rd.
PO Box C
Newport Beach, California 92658-8902 USA
714-833-4600

A.40 Rockwell Digit LK

WAVE form Registration Number (hex): 0x003C
Codec ID in the IANA Namespace: audio/vnd.wave;codec=3C
WAVE form wFormatTag ID: WAVE_FORMAT_ROCKWELL_DIGITALK
WAVEFORMAT Name: Rockwell DIGITALK
Contact:
Rockwell International
Digital Communications Division
4311 Jamboree Rd.
PO Box C
Newport Beach, California 92658-8902 USA
714-833-4600

A.41 Xebec

WAVE form Registration Number (hex): 0x003D
Codec ID in the IANA Namespace: audio/vnd.wave;codec=
WAVE form wFormatTag ID: WAVE_FORMAT_XEBEC
Additional Information: proprietary compression
Contact:
David Emberton
44-453-835482
Xebec Multimedia Solutions Limited
Smith House
1-3 George Street
Nailsworth, Gloucestershire, England GL6 0AG

A.42 Antex Electronics G.721

WAVE form Registration Number (hex): 0x0040
Codec ID in the IANA Namespace: audio/vnd.wave;codec=40
WAVE form wFormatTag ID: WAVE_FORMAT_G721_ADPCM
Contact:
Bob Bauman
310-532-3092
Antex Electronics Coporation
3184-H Airway Ave.
Costa Mesa, California 92627 USA

A.43 G.728 CELP

WAVE form Registration Number (hex): 0x0041
Codec ID in the IANA Namespace: audio/vnd.wave;codec=41
WAVE form wFormatTag ID: WAVE_FORMAT_G728_CELP
Contact:
Bob Bauman
310-532-3092
Antex Electronics Coporation
3184-H Airway Ave.
Costa Mesa, California 92627 USA

A.44 MSG723

WAVE form Registration Number (hex): 0x0042
Codec ID in the IANA Namespace: audio/vnd.wave;codec=42
WAVE form wFormatTag ID: WAVE_FORMAT_MSG723
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.45 MPEG

WAVE form Registration Number (hex): 0x0050
Codec ID in the IANA Namespace: audio/vnd.wave;codec=50
WAVE form wFormatTag ID: WAVE_FORMAT_MPEG
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.46 RT24

WAVE form Registration Number (hex): 0x0052
Codec ID in the IANA Namespace: audio/vnd.wave;codec=52
WAVE form wFormatTag ID: WAVE_FORMAT_RT24
Additional Information: This ACM codec is an alternative codec
ID to refer to the Voxware Metavoice codec (Codec ID 0x0074). Only the
Voxware reference should be used in the general case.
Contact:
Alexander V. Sokolsky
717-730-9501
InSoft, Inc.
4718 Old Gettysburg Rd
Suite 307
Mechanicsburg, PA 17055-4378 USA

A.47 PAC

WAVE form Registration Number (hex): 0x0053
Codec ID in the IANA Namespace: audio/vnd.wave;codec=53
WAVE form wFormatTag ID: WAVE_FORMAT_PAC
Contact:
Alexander V. Sokolsky
717-730-9501
InSoft, Inc.
4718 Old Gettysburg Rd
Suite 307
Mechanicsburg, PA 17055-4378 USA

A.48 MPEG Layer 3

WAVE form Registration Number (hex): 0x0055
Codec ID in the IANA Namespace: audio/vnd.wave;codec=55
WAVE form wFormatTag ID: WAVE_FORMAT_MPEGLAYER3
Additional Information: ISO/MPEG Layer3 Format Tag
Contact:
Tomislav Gracanac
(408) 576-1361
AT&T Labs, Inc.
2665 North First Street
San Jose, California 95134 USA

A.49 Lucent G.723

WAVE form Registration Number (hex): 0x0059
Codec ID in the IANA Namespace: audio/vnd.wave;codec=59
WAVE form wFormatTag ID: WAVE_FORMAT_LUCENT_G723
Contact:
Ray Jones
(raykj@lucent.com)
Lucent Technologies

A.50 Cirrus

WAVE form Registration Number (hex): 0x0060
Codec ID in the IANA Namespace: audio/vnd.wave;codec=60
WAVE form wFormatTag ID: WAVE_FORMAT_CIRRUS
Contact:
Mr Scott MacDonald
512 442-7555
Cirrus Logic (USA)

A.51 ESPCM

WAVE form Registration Number (hex): 0x0061
Codec ID in the IANA Namespace: audio/vnd.wave;codec=61
WAVE form wFormatTag ID: WAVE_FORMAT_ESPCM
Contact:
Paul Sung
510-226-1088
ESS Technology
46107 Landing Parkway
Fremont, California 94538 USA

A.52 Voxware

WAVE form Registration Number (hex): 0x0062
Codec ID in the IANA Namespace: audio/vnd.wave;codec=62
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE
Additional Information: This format is now obsolete
Contact:
Lee Stewart
rover@pipeline.com or compuserve 75570,3525 or lees@voxware.com
Voxware Inc
172 Tamarack Circle
Skillman, NJ 08558 USA

A.53 Canopus Atrac

WAVE form Registration Number (hex): 0x0063
Codec ID in the IANA Namespace: audio/vnd.wave;codec=63
WAVE form wFormatTag ID: WAVE_FORMAT_CANOPUS_ATRAC
Additional Information: ATRACWAVEFORMAT
Contact:
Masayoshi Araki
m-araki@canopus.co.jp
81-78-992-7812
Canopus, Co., Ltd.
Kobe Hi-Tech Park
1-2-2 Murotani, Nishi-ku
Kobe, Hyogo 651-22 Japan

A.54 G.726 ADPCM

WAVE form Registration Number (hex): 0x0064
Codec ID in the IANA Namespace: audio/vnd.wave;codec=64
WAVE form wFormatTag ID: WAVE_FORMAT_G726_ADPCM
Contact:
Jean-Claude Anaya
100433.3121@compuserve.com
(33) 57-26-99-24
APICOM
218, Avenue du Haut-Leveque
Pessac France 33605

A.55 G.722 ADPCM

WAVE form Registration Number (hex): 0x0065
Codec ID in the IANA Namespace: audio/vnd.wave;codec=65
WAVE form wFormatTag ID: WAVE_FORMAT_G722_ADPCM
Contact:
Jean-Claude Anaya
100433.3121@compuserve.com
(33) 57-26-99-24
APICOM
218, Avenue du Haut-Leveque
Pessac France 33605

A.56 DSAT

WAVE form Registration Number (hex): 0x0066
Codec ID in the IANA Namespace: audio/vnd.wave;codec=66
WAVE form wFormatTag ID: WAVE_FORMAT_DSAT
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.57 DSAT Display

WAVE form Registration Number (hex): 0x0067
Codec ID in the IANA Namespace: audio/vnd.wave;codec=67
WAVE form wFormatTag ID: WAVE_FORMAT_DSAT_DISPLAY
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.58 Voxware Byte Aligned

WAVE form Registration Number (hex): 0x0069
Codec ID in the IANA Namespace: audio/vnd.wave;codec=69
WAVE form wFormatTag ID:n WAVE_FORMAT_VOXWARE_BYTE_ALIGNED
Additional Information: This format is now obsolete
Contact:
Lee Stewart
rover@pipeline.com or compuserve 75570,3525 or lees@voxware.com
Voxware Inc
172 Tamarack Circle
Skillman, NJ 08558 USA

A.59 Voxware AC8

WAVE form Registration Number (hex): 0x0070
Codec ID in the IANA Namespace: audio/vnd.wave;codec=70
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_AC8
Additional Information: This format ID is now obsolete
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.60 Voxware AC10

WAVE form Registration Number (hex): 0x0071
Codec ID in the IANA Namespace: audio/vnd.wave;codec=71
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_AC10
Additional Information: This format ID is now obsolete
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.61 Voxware AC16

WAVE form Registration Number (hex): 0x0072
Codec ID in the IANA Namespace: audio/vnd.wave;codec=72
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_AC16
Additional Information: This format ID is now obsolete
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.62 Voxware AC20

WAVE form Registration Number (hex): 0x0073
Codec ID in the IANA Namespace: audio/vnd.wave;codec=73
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_AC20
Additional Information: This format ID is now obsolete
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.63 Voxware MetaVoice

WAVE form Registration Number (hex): 0x0074
Codec ID in the IANA Namespace: audio/vnd.wave;codec=74
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_RT24
Additional Information: file and stream oriented
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.64 Voxware MetaSound

WAVE form Registration Number (hex): 0x0075
Codec ID in the IANA Namespace: audio/vnd.wave;codec=75
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_RT29
Additional Information: file and stream oriented
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.65 Voxware RT29HW

WAVE form Registration Number (hex): 0x0076
Codec ID in the IANA Namespace: audio/vnd.wave;codec=76
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_RT29HW
Additional Information: This format ID is now obsolete
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.66 Voxware VR12

WAVE form Registration Number (hex): 0x0077
Codec ID in the IANA Namespace: audio/vnd.wave;codec=77
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_VR12
Additional Information: This format ID is now obsolete
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.67 Voxware VR18

WAVE form Registration Number (hex): 0x0078
Codec ID in the IANA Namespace: audio/vnd.wave;codec=78
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_VR18
Additional Information: This format ID is now obsolete
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.68 Voxware TQ40

WAVE form Registration Number (hex): 0x0079
Codec ID in the IANA Namespace: audio/vnd.wave;codec=79
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_TQ40
Additional Information: This format ID is now obsolete
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.69 Softsound

WAVE form Registration Number (hex): 0x0080
Codec ID in the IANA Namespace: audio/vnd.wave;codec=80
WAVE form wFormatTag ID: WAVE_FORMAT_SOFTSOUND
Contact:
AJ Robinson
44-1727-847949
Softsound, Ltd.
12 St. Stephens Avenue
St. Albans, Herts, UK AL3 4AD

A.70 Voxware TQ60

WAVE form Registration Number (hex): 0x0081
Codec ID in the IANA Namespace: audio/vnd.wave;codec=81
WAVE form wFormatTag ID: WAVE_FORMAT_VOXWARE_TQ60
Additional Information: This format ID is now obsolete
Contact:
Lee Stewart
lees@voxware.com
Voxware Inc.
172 Tamarack Circle
Skillman, NJ 08558 USA

A.71 MSRT24

WAVE form Registration Number (hex): 0x0082
Codec ID in the IANA Namespace: audio/vnd.wave;codec=82
WAVE form wFormatTag ID: WAVE_FORMAT_MSRT24
Additional Information: This ACM codec is an alternative codec
ID to refer to the Voxware Metavoice codec (Codec ID 0x0074). Only the
Voxware reference should be used in the general case.
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

A.72 G.729A

WAVE form Registration Number (hex): 0x0083
Codec ID in the IANA Namespace: audio/vnd.wave;codec=83
WAVE form wFormatTag ID: WAVE_FORMAT_G729A
Contact:
AT&T Laboratories

A.73 MVI MV12

WAVE form Registration Number (hex): 0x0084
Codec ID in the IANA Namespace: audio/vnd.wave;codec=84
WAVE form wFormatTag ID: WAVE_FORMAT_MVI_MV12
Contact:
David R. Whipple
whipple@mail.webtek.com
Motion Pixels
7802 North 132 East Court
Owasso, OK 74055 USA
(918) 272-5328

A.74 DF G.726

WAVE form Registration Number (hex): 0x0085
Codec ID in the IANA Namespace: audio/vnd.wave;codec=85
WAVE form wFormatTag ID: WAVE_FORMAT_DF_G726
Contact:
Jarno van Rooyen
Jarno.VanRooyen@DataVoice.co.za
DataFusion Systems (Pty) (Ltd)
PO Box 582
Stellenbosch Stellenbosch South Africa
27 21 888 2000

A.75 DF GSM610

WAVE form Registration Number (hex): 0x0086
Codec ID in the IANA Namespace: audio/vnd.wave;codec=86
WAVE form wFormatTag ID: WAVE_FORMAT_DF_GSM610
Contact:
Jarno van Rooyen
Jarno.VanRooyen@DataVoice.co.za
DataFusion Systems (Pty) (Ltd)
PO Box 582
Stellenbosch 7600 South Africa
27 21 888 2000

A.76 ISIAudio

WAVE form Registration Number (hex): 0x0088
Codec ID in the IANA Namespace: audio/vnd.wave;codec=88
WAVE form wFormatTag ID: WAVE_FORMAT_ISIAUDIO
Contact:
Iterated Systems, Inc.
5550-a Peachtree Parkway
Suite 650
Norcross, GA 30092 USA
404-840-0633

A.77 Onlive

WAVE form Registration Number (hex): 0x0089
Codec ID in the IANA Namespace: audio/vnd.wave;codec=89
WAVE form wFormatTag ID: WAVE_FORMAT_ONLIVE
Contact:
Dr. Ajit L. Lalwani
ajit@onlive.com
(408) 617 - 3595
OnLive! Technologies, Inc.
1039 S. Mary Ave.
Sunnyvale, California 94087 USA
(408) 617-7000

A.78 SBC24

WAVE form Registration Number (hex): 0x0091
Codec ID in the IANA Namespace: audio/vnd.wave;codec=91
WAVE form wFormatTag ID: WAVE_FORMAT_SBC24
Contact:
Dieter Rencken
Dieter.W.Rencken@siemenscom.com
(408) 492-6539
Siemens Business Communications Systems
4900 Old Ironsides Drive
Santa Clara, California 95054 USA
(408) 492-2000

A.79 Dolby AC3 SPDIF

WAVE form Registration Number (hex): 0x0092
Codec ID in the IANA Namespace: audio/vnd.wave;codec=92
WAVE form wFormatTag ID: WAVE_FORMAT_DOLBY_AC3_SPDIF
Contact:
Monty Schmidt
Sonic Foundry
100 South Baldwin, Suite 204
Madison, WI 53703 USA
608-256-3133

A.80 ZyXEL ADPCM

WAVE form Registration Number (hex): 0x0097
Codec ID in the IANA Namespace: audio/vnd.wave;codec=97
WAVE form wFormatTag ID: WAVE_FORMAT_ZYXEL_ADPCM
Contact:
Nasser Tarazi
nasser@ZyXEL.COM
714-693-0808 ext 206
ZyXEL Communications, Inc.
4920 E. La Palma Ave
Anaheim, California 92807 USA
714-693-0808

A.81 Philips LPCBB

WAVE form Registration Number (hex): 0x0098
Codec ID in the IANA Namespace: audio/vnd.wave;codec=98
WAVE form wFormatTag ID: WAVE_FORMAT_PHILIPS_LPCBB
Contact:
Kurt Kornmuller
Philips Speech Processing
Computerstrasse 6
Vienna A-1101 Austria
43 1 601 01

A.82 Packed

WAVE form Registration Number (hex): 0x0099
Codec ID in the IANA Namespace: audio/vnd.wave;codec=99
WAVE form wFormatTag ID: WAVE_FORMAT_PACKED
Contact:
Alex Ruegg
alex.ruegg@studer.ch
41-1-870-1252
Studer Professional Audio AG
Althardstrasse 30
Regensdorf, CH 8105
41-1-870-7252

A.83 Rhetorex ADPCM

WAVE form Registration Number (hex): 0x0100
Codec ID in the IANA Namespace: audio/vnd.wave;codec=100
WAVE form wFormatTag ID: WAVE_FORMAT_RHETOREX_ADPCM
Contact:
Roger Dang
roger.dang@octel.com
408-371-0881-x195
Rhetorex, Inc.
200 E Hacienda Ave
Campbell, California 95008 USA

A.84 BeCubed Software's IRAT

WAVE form Registration Number (hex): 0x0101
Codec ID in the IANA Namespace: audio/vnd.wave;codec=101
WAVE form wFormatTag ID: WAVE_FORMAT_IRAT
WAVEFORMAT name:
Contact:
William J. Locke
bill@becubed.com
BeCubed Software Inc.
1750 Marietta Hwy STE 240
Canton, GA 30114 USA
770-720-1077

A.85 Vivo G.723

WAVE form Registration Number (hex): 0x00111
Codec ID in the IANA Namespace: audio/vnd.wave;codec=111
WAVE form wFormatTag ID: WAVE_FORMAT_VIVO_G723
Contact:
Vivo Software
411 Waverley Oaks Road, Suite 313
Waltham, MA 02154 USA
(617) 899-8900

A.86 Vivo Siren

WAVE form Registration Number (hex): 0x0112
Codec ID in the IANA Namespace: audio/vnd.wave;codec=112
WAVE form wFormatTag ID: WAVE_FORMAT_VIVO_SIREN
Contact:
Vivo Software
411 Waverley Oaks Road, Suite 313
Waltham, MA 02154 USA
(617) 899-8900

A.87 Digital G.723

WAVE form Registration Number (hex): 0x0123
Codec ID in the IANA Namespace: audio/vnd.wave;codec=123
WAVE form wFormatTag ID: WAVE_FORMAT_DIGITAL_G723
Contact:
John Forecast
forecast@shell.lkg.dec.com
508-486-5264
Digital Equipment Corporation
146 Main Street
Maynard, MA 01754-2571 USA
1-800-DIGITAL

A.88 Creative ADPCM

WAVE form Registration Number (hex): 0x0200
Codec ID in the IANA Namespace: audio/vnd.wave;codec=200
WAVE form wFormatTag ID: WAVE_FORMAT_CREATIVE_ADPCM
Contact:
Peter Ridge
408-428-2366
Creative Labs, Inc
California, USA

A.89 Creative FastSpeech8

WAVE form Registration Number (hex): 0x0202
Codec ID in the IANA Namespace: audio/vnd.wave;codec=202
WAVE form wFormatTag ID: WAVE_FORMAT_CREATIVE_FASTSPEECH8
Contact:
Peter Ridge
408-428-2366
Creative Labs, Inc
California, USA

A.90 Creative FastSpeech10

WAVE form Registration Number (hex): 0x0203
Codec ID in the IANA Namespace: audio/vnd.wave;codec=203
WAVE form wFormatTag ID: WAVE_FORMAT_CREATIVE_FASTSPEECH10
Contact:
Peter Ridge
408-428-2366
Creative Labs, Inc
California, USA

A.91 Quarterdeck

WAVE form Registration Number (hex): 0x0220
Codec ID in the IANA Namespace: audio/vnd.wave;codec=220
WAVE form wFormatTag ID: WAVE_FORMAT_QUARTERDECK
Contact:
Eugene Olsen
310-309-3700
Quarterdeck Corporation
13160 Mindanao Way FL 3
Marina del Rey, California 90292-9705 USA

A.92 FM Towns Snd

WAVE form Registration Number (hex): 0x0300
Codec ID in the IANA Namespace: audio/vnd.wave;codec=300
WAVE form wFormatTag ID: WAVE_FORMAT_FM_TOWNS_SND
Contact:
Fujitsu Corporation

A.93 BTV Digital

WAVE form Registration Number (hex): 0x0400
Codec ID in the IANA Namespace: audio/vnd.wave;codec=400
WAVE form wFormatTag ID: WAVE_FORMAT_BTV_DIGITAL
Additional Information: Brooktree digital audio format
Contact:
Dave Wilson
512-502-1725
Brooktree Corporation
9868 Scranton Road
San Diego, California 92121-3707 USA
1-800-228-2777

A.94 VME VMPCM

WAVE form Registration Number (hex): 0x0680
Codec ID in the IANA Namespace: audio/vnd.wave;codec=680
WAVE form wFormatTag ID: WAVE_FORMAT_VME_VMPCM
Contact:
Tomislav Grcanac
(408) 576-1361
AT&T Labs, Inc.
2665 North First Street
San Jose, California 95134 USA

A.95 OLIGSM

WAVE form Registration Number (hex): 0x1000
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1000
WAVE form wFormatTag ID: WAVE_FORMAT_OLIGSM
Contact:
Harry Sinn
Ing C. Olivetti & C., S.p.A.
Via G. Jervis 77
Via Montalenghe 8 Scarmagno
Ivrea (To) 10015 Italy
39-125-527056

A.96 OLIADPCM

WAVE form Registration Number (hex): 0x1001
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1001
WAVE form wFormatTag ID: WAVE_FORMAT_OLIADPCM
Contact:
Harry Sinn
Ing C. Olivetti & C., S.p.A.
Via G. Jervis 77
Via Montalenghe 8 Scarmagno
Ivrea (To) 10015 Italy
39-125-527056

A.97 OLICELP

WAVE form Registration Number (hex): 0x1002
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1002
WAVE form wFormatTag ID: WAVE_FORMAT_OLICELP
Contact:
Harry Sinn
Ing C. Olivetti & C., S.p.A.
Via G. Jervis 77
Via Montalenghe 8 Scarmagno
Ivrea (To) 10015 Italy
39-125-527056

A.98 OLISBC

WAVE form Registration Number (hex): 0x1003
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1003
WAVE form wFormatTag ID: WAVE_FORMAT_OLISBC
Contact:
Harry Sinn
Ing C. Olivetti & C., S.p.A.
Via G. Jervis 77
Via Montalenghe 8 Scarmagno
Ivrea (To) 10015 Italy
39-125-527056

A.99 OLIOPR

WAVE form Registration Number (hex): 0x1004
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1004
WAVE form wFormatTag ID: WAVE_FORMAT_OLIOPR
Contact:
Harry Sinn
Ing C. Olivetti & C., S.p.A.
Via G. Jervis 77
Via Montalenghe 8 Scarmagno
Ivrea (To) 10015 Italy
39-125-527056

A.100 LH Codec

WAVE form Registration Number (hex): 0x1100
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1100
WAVE form wFormatTag ID: WAVE_FORMAT_LH_CODEC
Contact:
David Ray
Lernout & Hauspie
20 Mall Road
Burlington, MA 01803 USA

A.101 Norris

WAVE form Registration Number (hex): 0x1400
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1400
WAVE form wFormatTag ID: WAVE_FORMAT_NORRIS
Contact:
Rick Davis
Norris Communications, Inc
12725 Stowe Drive
Poway, California 92064 USA
619-679-1504

A.102 ISIAudio

WAVE form Registration Number (hex): 0x1401
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1401
WAVE form wFormatTag ID: WAVE_FORMAT_ISIAUDIO
Contact:
Tomislav Gracanac
(408) 576-1361
AT&T Labs, Inc.
2665 North First Street
San Jose, California 95134 USA

A.103 Soundspace Music Compression

WAVE form Registration Number (hex): 0x1500
Codec ID in the IANA Namespace: audio/vnd.wave;codec=1500
WAVE form wFormatTag ID: WAVE_FORMAT_SOUNDSPACE_MUSICOMPRESS
Contact:
Tomislav Gracanac
(408) 576-1361
AT&T Labs, Inc.
2665 North First Street
San Jose, California 95134 USA

A.104 DVM

WAVE form Registration Number (hex): 0x2000
Codec ID in the IANA Namespace: audio/vnd.wave;codec=2000
WAVE form wFormatTag ID: WAVE_FORMAT_DVM
Contact:
Martin Regen
FAST Multimedia AG
Lansbergerstrasse 76
Munchen 80339 Germany
49-89-50206-0

Appendix B Video Codecs from the Microsoft AVI Registry

B.1 Intel RDX

Compression Code or FourCC Codec ID: ANIM
Codec ID in the IANA Namespace: video/vnd.avi;codec=ANIM
Description: Intel RDX
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.2 AuraVision Aura 2

Compression Code or FourCC Codec ID: AUR2
Codec ID in the IANA Namespace: video/vnd.avi;codec=AUR2
Description: AuraVision Aura 2: YUV 422
Bit Depth: 8
Contact:
Steve Gibson
510-440-7180
Fast Multimedia
47865 Fremont Blvd
Fremont, California 94538 USA

B.3 AuraVision Aura 1

Compression Code or FourCC Codec ID: AURA
Codec ID in the IANA Namespace: video/vnd.avi;codec=AURA
Description: AuraVision Aura 1: YUV 411
Bit Depth: 6
Contact:
Steve Gibson
510-440-7180
Fast Multimedia
47865 Fremont Blvd
Fremont, California 94538 USA

B.4 Brooktree MediaStream

Compression Code or FourCC Codec ID: BT20
Codec ID in the IANA Namespace: video/vnd.avi;codec=BT20
Description: Brooktree MediaStream
Contact:
Dave Wilson
512-502-1725

Brooktree Corporation
9868 Scranton Road
San Diego, California 92121-3707 USA

B.5 Brooktree Composite Video

Compression Code or FourCC Codec ID:	BTCV
Codec ID in the IANA Namespace:	video/vnd.avi;codec=BTCV
Description:	Brooktree Composite Video
Contact:	
Dave Wilson	
512-502-1725	
Brooktree Corporation	
9868 Scranton Road	
San Diego, California 92121-3707 USA	

B.6 Intel YUV12

Compression Code or FourCC Codec ID:	CC12
Codec ID in the IANA Namespace:	video/vnd.avi;codec=CC12
Description:	AuraVision Aura 2: Intel YUV12
Contact:	
Intel Corporation	
5200 NE Elam Young Parkway	
Hillsboro, Oregon 97124 USA	
503-696-2448	

B.7 Canopus DV

Compression Code or FourCC Codec ID:	CDVC
Codec ID in the IANA Namespace:	video/vnd.avi;codec=CDVC
Description:	Canopus DV
Contact:	
Masayoshi Araki	
81-78-992-7812	
m-araki@canopus.co.jp	
Canopus, Co., Ltd.	
Kobe Hi-Tech Park	
1-2-2 Murotani, Nishi-ku	
Kobe, Hyogo 651-22 Japan	

B.8 Winnov Caviara Cham

Compression Code or FourCC Codec ID: CHAM
Codec ID in the IANA Namespace: video/vnd.avi;codec=CHAM
Description: Winnov Caviara Cham
Contact:
Winnov, Inc.
1230 Oakmead Parkway, Suite 312
Sunnyvale, California 94086 USA
408-733-7419

B.9 Proprietary YUV 4 pixels

Compression Code or FourCC Codec ID: CLJR
Codec ID in the IANA Namespace: video/vnd.avi;codec=CLJR
Description: Proprietary YUV 4 pixels/DWORD
Contact:
Mr Scott MacDonald
512 442-7555
Cirrus Logic

B.10 Common Data Format in Printing

Compression Code or FourCC Codec ID: CMYK
Codec ID in the IANA Namespace: video/vnd.avi;codec=CMYK
Description: Common Data Format in Printing
Bit Depth: 32bits (8 per component)
Contact:
Colorgraph (UK)
2 Mars House, Calleva Park
Aldermaston, Reading, Berkshire RG7 8LB UK
+44-118-9819435

B.11 Weitek 4:2:0 YUV Planar

Compression Code or FourCC Codec ID: CPLA
Codec ID in the IANA Namespace: video/vnd.avi;codec=CPLA
Description: Weitek 4:2:0 YUV Planar
Contact:
Weitek
408-522-7541

B.12 Cinepak by Supermac

Compression Code or FourCC Codec ID:	CVID
Codec ID in the IANA Namespace:	video/vnd.avi;codec=CVID
Description:	Cenepac by Supermac
Contact:	
Lou Doctor	
Supermac	

B.13 Microsoft Color WLT DIB

Compression Code or FourCC Codec ID:	CWLT
Codec ID in the IANA Namespace:	video/vnd.avi;codec=CWLT
Description:	Microsoft Color WLT DIB
Bit Depth:	24
Contact:	
Terri Hendry	
425-936-2069	
Microsoft Corporation	
One Microsoft Way	
Redmond, WA 98052-6399 USA	

B.14 Creative Labs YUV

Compression Code or FourCC Codec ID:	CYUV
Codec ID in the IANA Namespace:	video/vnd.avi;codec=CYUV
Description:	Creative Labs YUV
Contact:	
Peter Ridge	
408-428-2366	
Creative Labs, Inc	
California, USA	

B.15 H.261

Compression Code or FourCC Codec ID:	D261
Codec ID in the IANA Namespace:	video/vnd.avi;codec=D261
Description:	H.261 Video Format
Bit Depth:	24
Contact:	
John Forecast	
forecast@shell.lkg.dec.com	
508-486-5264	
Digital Equipment Corporation	
146 Main Street	
Maynard, MA 01754-2571 USA	
1-800-DIGITAL	

B.16 H.263

Compression Code or FourCC Codec ID: D263
Codec ID in the IANA Namespace: video/vnd.avi;codec=D263
Description: H.263 Video Format
Bit Depth: 24
Contact:
John Forecast
forecast@shell.lkg.dec.com
508-486-5264
Digital Equipment Corporation
146 Main Street
Maynard, MA 01754-2571 USA
1-800-DIGITAL

B.17 True Motion 1.0

Compression Code or FourCC Codec ID: DUCK
Codec ID in the IANA Namespace: video/vnd.avi;codec=DUCK
Description: TrueMotion 1.0
Contact:
David Silver
david@duck.com
(212)941-2403
The Duck Corporation
375 Greenwich Street
New York, NY 10013 USA
(212) 941-2400
<http://www.duck.com/>

B.18 DVE-2 Videoconferencing

Compression Code or FourCC Codec ID: DVE2
Codec ID in the IANA Namespace: video/vnd.avi;codec=DVE2
Description: DVE-2 Videoconferencing
Contact:
Alexander V. Sokolsky
InSoft, Inc.
4718 Old Gettysburg Rd, Suite 307
Mechanicsburg, PA 17055-4378 USA
717-730-9501

B.19 Field Encoded Motion JPEG

Compression Code or FourCC Codec ID: FLJP
Codec ID in the IANA Namespace: video/vnd.avi;codec=FLJP
Description: Field Encoded Motion JPEG With LSI
Bitstream Format
Contact:
Dale Weaver
weaverdm@dvision.com
312-714-1400 -2169
D-Vision Systems, Inc.
8755 W. Higgins, Second Floor
Chicago, IL 60631 USA

B.20 Fractal Video Frame

Compression Code or FourCC Codec ID: FVF1
Codec ID in the IANA Namespace: video/vnd.avi;codec=FVF1
Description: Fractal Video Frame
Contact:
Iterated Systems, Inc.
5550-a Peachtree Parkway, Suite 650
Norcross, GA 30092 USA
404-840-0633

B.21 Microsoft Greyscale WLT DIB

Compression Code or FourCC Codec ID: GWLT
Codec ID in the IANA Namespace: video/vnd.avi;codec=GWLT
Description: Microsoft Greyscale WLT DIB
Bit Depth: 8
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.22 H.260

Compression Code or FourCC Codec ID: H260
Codec ID in the IANA Namespace: video/vnd.avi;codec=H260
Description: H.260
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.23 H.261

Compression Code or FourCC Codec ID: H261
Codec ID in the IANA Namespace: video/vnd.avi;codec=H261
Description: H.261
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.24 H.262

Compression Code or FourCC Codec ID: H262
Codec ID in the IANA Namespace: video/vnd.avi;codec=H262
Description: H.262
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.25 H.263

Compression Code or FourCC Codec ID: H263
Codec ID in the IANA Namespace: video/vnd.avi;codec=H263
Description: H.263
Bit Depth: 12/pixel
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.26 H.264

Compression Code or FourCC Codec ID: H264
Codec ID in the IANA Namespace: video/vnd.avi;codec=H264
Description: H.264
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.27 H.265

Compression Code or FourCC Codec ID: H265
Codec ID in the IANA Namespace: video/vnd.avi;codec=H265
Description: H.265
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.28 H.266

Compression Code or FourCC Codec ID: H266
Codec ID in the IANA Namespace: video/vnd.avi;codec=H266
Description: H.266
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.29 H.267

Compression Code or FourCC Codec ID: H267
Codec ID in the IANA Namespace: video/vnd.avi;codec=H267
Description: H.267
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.30 H.268

Compression Code or FourCC Codec ID: H268
Codec ID in the IANA Namespace: video/vnd.avi;codec=H268
Description: H.268
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.31 H.260

Compression Code or FourCC Codec ID: H269
Codec ID in the IANA Namespace: video/vnd.avi;codec=H269
Description: H.269
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.32 I263

Compression Code or FourCC Codec ID: I263
Codec ID in the IANA Namespace: video/vnd.avi;codec=I263
Description: Intel I263
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.33 Intel Indeo 4

Compression Code or FourCC Codec ID: I420
Codec ID in the IANA Namespace: video/vnd.avi;codec=I420
Description: Intel Indeo 4
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.34 Intel RDX

Compression Code or FourCC Codec ID: IAN
Codec ID in the IANA Namespace: video/vnd.avi;codec=IAN
Description: Intel RDX
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.35 CellB Videoconferencing Codec

Compression Code or FourCC Codec ID: ICLB
Codec ID in the IANA Namespace: video/vnd.avi;codec=ICLB
Description: CellB Videoconferencing Codec
Contact:
Alexander V. Sokolsky
InSoft, Inc.
4718 Old Gettysburg Rd, Suite 307
Mechanicsburg, PA 17055-4378 USA
717-730-9501

B.36 Intel Layered Video

Compression Code or FourCC Codec ID: ILVC
Codec ID in the IANA Namespace: video/vnd.avi;codec=ILVC
Description: Intel Layered Video
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.37 ITU-T H.263+

Compression Code or FourCC Codec ID: ILVR
Codec ID in the IANA Namespace: video/vnd.avi;codec=ILVR
Description: nITU-T's H.263+ compression standard
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.38 Intel YUV Uncompressed

Compression Code or FourCC Codec ID: IRAW
Codec ID in the IANA Namespace: video/vnd.avi;codec=IRAW
Description: Intel YUV uncompressed
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.39 Intel Indeo Video 3

Compression Code or FourCC Codec ID: IV30
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV30
Description: Intel Indeo Video 3
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.40 Intel Indeo Video 3.1

Compression Code or FourCC Codec ID: IV31
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV31
Description: Intel Indeo Video 3.1
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.41 Intel Indeo Video 3.2

Compression Code or FourCC Codec ID: IV32
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV32
Description: Intel Indeo Video 3.2
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.42 Intel Indeo Video 3.3

Compression Code or FourCC Codec ID: IV33
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV33
Description: Intel Indeo Video 3.3
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.43 Intel Indeo Video 3.4

Compression Code or FourCC Codec ID: IV34
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV34
Description: Intel Indeo Video 3.4
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.44 Intel Indeo Video 3.5

Compression Code or FourCC Codec ID: IV35
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV35
Description: Intel Indeo Video 3.5
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.45 Intel Indeo Video 3.6

Compression Code or FourCC Codec ID: IV36
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV36
Description: Intel Indeo Video 3.6
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.46 Intel Indeo Video 3.7

Compression Code or FourCC Codec ID: IV37
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV37
Description: Intel Indeo Video 3.7
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.47 Intel Indeo Video 3.8

Compression Code or FourCC Codec ID: IV38
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV38
Description: Intel Indeo Video 3.8
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.48 Intel Indeo Video 3.9

Compression Code or FourCC Codec ID: IV39
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV39
Description: Intel Indeo Video 3.9
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.49 Intel Indeo Video 4.0

Compression Code or FourCC Codec ID: IV40
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV40
Description: Intel Indeo Video 4.0
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.50 Intel Indeo Video 4.1

Compression Code or FourCC Codec ID: IV41
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV41
Description: Intel Indeo Video 4.1
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.51 Intel Indeo Video 4.2

Compression Code or FourCC Codec ID: IV42
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV42
Description: Intel Indeo Video 4.2
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.52 Intel Indeo Video 4.3

Compression Code or FourCC Codec ID: IV43
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV43
Description: Intel Indeo Video 4.3
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.53 Intel Indeo Video 4.4

Compression Code or FourCC Codec ID: IV44
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV44
Description: Intel Indeo Video 4.4
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.54 Intel Indeo Video 4.5

Compression Code or FourCC Codec ID: IV45
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV45
Description: Intel Indeo Video 4.5
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.55 Intel Indeo Video 4.6

Compression Code or FourCC Codec ID: IV46
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV46
Description: Intel Indeo Video 4.6
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.56 Intel Indeo Video 4.7

Compression Code or FourCC Codec ID: IV47
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV47
Description: Intel Indeo Video 4.7
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.57 Intel Indeo Video 4.8

Compression Code or FourCC Codec ID: IV48
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV48
Description: Intel Indeo Video 4.8
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.58 Intel Indeo Video 4.9

Compression Code or FourCC Codec ID: IV49
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV49
Description: Intel Indeo Video 4.9
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.59 Intel Indeo Video 5.0

Compression Code or FourCC Codec ID: IV50
Codec ID in the IANA Namespace: video/vnd.avi;codec=IV50
Description: Intel Indeo Video 5.0
Bit Depth: 8, 16, 24, 32
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.60 Still Image JPEG DIB

Compression Code or FourCC Codec ID: JPEG
Codec ID in the IANA Namespace: video/vnd.avi;codec=JPEG
Description: Still Image JPEG DIB
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.61 Motion JPEG DIB

Compression Code or FourCC Codec ID: MJPG
Codec ID in the IANA Namespace: video/vnd.avi;codec=MJPG
Description: Motion JPEG DIB Format
Bit Depth: 24, 8
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.62 Microsoft MPEG-4 Video Codec

Compression Code or FourCC Codec ID: MP42
Codec ID in the IANA Namespace: video/vnd.avi;codec=MP42
Description: Microsoft MPEG-4 Video Codec V2
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.63 MPEG 1 Video Frame

Compression Code or FourCC Codec ID: MPEG
Codec ID in the IANA Namespace: video/vnd.avi;codec=MPEG
Description: MPEG 1 Video I Frame
Contact:
Greg Stiehl
stiehl@chromatic.com
Chromatic Research, Inc
615 Tasman Dr
Sunnyvale, California 94089 USA
408-752-9100

B.64 MR Codec

Compression Code or FourCC Codec ID: MRCA
Codec ID in the IANA Namespace: video/vnd.avi;codec=MRCA
Description: MR Codec
Contact:
Martin Regen
49/89/50206-252
FAST Multimedia AG
Lansbergerstrasse 76
Munchen 80339 Germany
49/89/50206-0

B.65 Run Length Encoding

Compression Code or FourCC Codec ID: MRLE
Codec ID in the IANA Namespace: video/vnd.avi;codec=MRLE
Description: Run Length Encoding
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.66 Video 1

Compression Code or FourCC Codec ID: MSVC
Codec ID in the IANA Namespace: video/vnd.avi;codec=MSVC
Description: Microsoft Video 1
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.67 Photomotion

Compression Code or FourCC Codec ID: PHMO
Codec ID in the IANA Namespace: video/vnd.avi;codec=PHMO
Description: Photomotion
Contact:
IBM Corporation

B.68 QPEG 1.1 Format Video

Compression Code or FourCC Codec ID: qpeq
Codec ID in the IANA Namespace: video/vnd.avi;codec=qpeq
Description: QPEG 1.1 Format Video Codec
Contact:
Dr. Knabe
0049.2161.6181.0
Q-Team
Brauereistr. 11
D-41352 Korschenbroich Germany
0049.2161.6181.0

B.69 RGBT

Compression Code or FourCC Codec ID: RGBT
Codec ID in the IANA Namespace: video/vnd.avi;codec=RGBT
Description: 32 bits support
Contact:
Andy Pennell
Computer Concepts Ltd.
Gaddesden Place
Hemel Hempstead, Herts HP2 6EX UK
44 1442 63933

B.70 Run Length Encoded 4

Compression Code or FourCC Codec ID: RLE4
Codec ID in the IANA Namespace: video/vnd.avi;codec=RLE4
Description: Run Length Encoded 4
Bit Depth: 4
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.71 Run Length Encoded 8

Compression Code or FourCC Codec ID: RLE8
Codec ID in the IANA Namespace: video/vnd.avi;codec=RLE8
Description: Run Length Encoded 8
Bit Depth: 8
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.72 Indeo 2.1

Compression Code or FourCC Codec ID: RT21
Codec ID in the IANA Namespace: video/vnd.avi;codec=RT21
Description: Indeo 2.1
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.73 Intel RDX

Compression Code or FourCC Codec ID: RVX
Codec ID in the IANA Namespace: video/vnd.avi;codec=RVX
Description: Intel RDX
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.74 Sun Digital Camera Codec

Compression Code or FourCC Codec ID: SDCC
Codec ID in the IANA Namespace: video/vnd.avi;codec=SDCC
Description: Sun Digital Camera Codec
Contact:
Hideki Inoue
hinoue@sun-denshi.co.jp
Sun Communications, Inc.
GLORIA Bld. 6F, 1-3, AGEBA-CHO, SHINJYUKU-KU
Tokyo 162 Japan
81-3-5261-1801

B.75 Crystal Net SFM Codec

Compression Code or FourCC Codec ID: SFMC
Codec ID in the IANA Namespace: video/vnd.avi;codec=SFMC
Description: Crystal Net SFM Codec
Contact:
Dr. Itzhak Levit
Crystal Net Corporation
1485 Saratoga Ave.
San Jose, California 95129 USA
408-446-2966

B.76 SMSC

Compression Code or FourCC Codec ID: SMSC
Codec ID in the IANA Namespace: video/vnd.avi;codec=SMSC
Description: SMSC
Contact:
Lee Boekelheide
Radius (USA)
503-968-1270

B.77 SMSD

Compression Code or FourCC Codec ID: SMSD
Codec ID in the IANA Namespace: video/vnd.avi;codec=SMSD
Description: SMSD
Contact:
Lee Boekelheide
Radius (USA)
503-968-1270

B.78 Splash Studios ACM Audio Codec

Compression Code or FourCC Codec ID: SPLC
Codec ID in the IANA Namespace: audio/vnd.wave;codec=SPLC
Description: Splash Studios ACM Audio Codec
Contact:
Mark Cutter
Splash Studios
8573 154th Avenue NE
Redmond, WA 98052 USA
425-882-0300

B.79 Microsoft Vxtreme Video Codec

Compression Code or FourCC Codec ID: SQZ2
Codec ID in the IANA Namespace: video/vnd.avi;codec=SQZ2
Description: Microsoft Vxtreme Video Codec V2
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.80 Sorenson Video R1

Compression Code or FourCC Codec ID: SV10
Codec ID in the IANA Namespace: video/vnd.avi;codec=SV10
Description: Sorenson Video R1
Contact:
Evan Hillman
ehillman@s-vision.com
Sorenson Vision
570 East Research Park Way
Logan, Utah 84341 USA
801-792-1114

B.81 TeraLogic Motion Intraframe Codec A

Compression Code or FourCC Codec ID: TLMS
Codec ID in the IANA Namespace: video/vnd.avi;codec=TLMS
Description: TeraLogic Motion Intraframe Codec
Contact:
Charles Chui
chui@teralogic-inc.com
650-526-6003
TeraLogic, Inc.
707 California Street
Mountain View, California 94041 USA
650-526-2000

B.82 TeraLogic Motion Intraframe Codec B

Compression Code or FourCC Codec ID: TLST
Codec ID in the IANA Namespace: video/vnd.avi;codec=TLST
Description: TeraLogic Motion Intraframe Codec
Contact:
Charles Chui
chui@teralogic-inc.com
650-526-6003
TeraLogic, Inc.
707 California Street
Mountain View, California 94041 USA
650-526-2000

B.83 TrueMotion 2.0

Compression Code or FourCC Codec ID: TM20
Codec ID in the IANA Namespace: video/vnd.avi;codec=TM20
Description: TrueMotion 2.0
Contact:
David Silver
david@duck.com
(212) 941-2403
The Duck Corporation
375 Greenwich Street
New York, New York 10013 USA
(212) 941-2400

B.84 TeraLogic Motion Intraframe Codec 2

Compression Code or FourCC Codec ID: TMIC
Codec ID in the IANA Namespace: video/vnd.avi;codec=TMIC
Description: TeraLogic Motion Intraframe Codec 2
Contact:
Charles Chui
chui@teralogic-inc.com
650-526-6003
TeraLogic, Inc.
707 California Street
Mountain View, California 94041 USA
650-526-2000

B.85 TrueMotion Video Compression

Compression Code or FourCC Codec ID: tmot
Codec ID in the IANA Namespace: video/vnd.avi;codec=tmot
Description: True Motion Video Compression
Contact:
Glen D. Johnson
Horizons Technology, Inc
3990 Ruffin Road
San Diego, California 92123 USA
619-292-8331

B.86 TrueMotion RT 2.0

Compression Code or FourCC Codec ID: TR20
Codec ID in the IANA Namespace: video/vnd.avi;codec=TR20
Description: TrueMotionRT 2.0
Contact:
David Silver
david@duck.com
(212) 941-2403
The Duck Corporation
375 Greenwich Street
New York, New York 10013 USA
(212) 941-2400

B.87 Ultimotion

Compression Code or FourCC Codec ID: ULTI
Codec ID in the IANA Namespace: video/vnd.avi;codec=ULTI
Description: Ultimotion
Contact:
IBM Corporation

B.88 UYVY 4:2:2 byte ordering

Compression Code or FourCC Codec ID: UYVY
Codec ID in the IANA Namespace: video/vnd.avi;codec=UYVY
Description: UYVY 4:2:2 byte ordering
Bit Depth: 16
Contact:
Terri Hendry
425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.89 24 bit YUV 4:2:2 Format

Compression Code or FourCC Codec ID: V422
Codec ID in the IANA Namespace: video/vnd.avi;codec=V422
Description: 24 bit YUV 4:2:2 format (CCIR 601).
For this format, 2 consecutive pixels are represented by a 32 bit (4
byte) Y1UY2V color value.
Contact:
Gueirard RJ
33 1 46 29 0300
Vitec Multimedia
99 rue Pierre Semard
F-92320 Chatillon France
33-1-46-73-06-06

B.90 16 bit YUV 4:2:2 Format

Compression Code or FourCC Codec ID: V655
Codec ID in the IANA Namespace: video/vnd.avi;codec=V655
Description: 16 bit YUV 4:2:2 Format Codec
Contact:
Gueirard RJ
33 1 46 29 0300
Vitec Multimedia
99 rue Pierre Semard
F-92320 Chatillon France
33-1-46-73-06-06

B.91 ATI VCR 1.0

Compression Code or FourCC Codec ID: VCR1
Codec ID in the IANA Namespace: video/vnd.avi;codec=VCR1
Description: ATI VCR 1.0
Contact:
Ivan Yang
Ivan@atitech.ca
905-882-2600 x3243
ATI Technologies Inc.
33 Commerce Valley Dr. E.
Thornhill, Ontario L3T 7N6 Canada
905-882-2600

B.92 ATI VCR 2.0

Compression Code or FourCC Codec ID: VCR2
Codec ID in the IANA Namespace: video/vnd.avi;codec=VCR2
Description: ATI VCR 2.0
Contact:
Ivan Yang
Ivan@atitech.ca
905-882-2600 x3243
ATI Technologies Inc.
33 Commerce Valley Dr. E.
Thornhill, Ontario L3T 7N6 Canada
905-882-2600

B.93 ATI VCR 3.0

Compression Code or FourCC Codec ID: VCR3
Codec ID in the IANA Namespace: video/vnd.avi;codec=VCR3
Description: ATI VCR 3.0
Contact:
Ivan Yang
Ivan@atitech.ca
905-882-2600 x3243
ATI Technologies Inc.
33 Commerce Valley Dr. E.
Thornhill, Ontario L3T 7N6 Canada
905-882-2600

B.94 ATI VCR 4.0

Compression Code or FourCC Codec ID: VCR4
Codec ID in the IANA Namespace: video/vnd.avi;codec=VCR4
Description: ATI VCR 4.0
Contact:
Ivan Yang
Ivan@atitech.ca
905-882-2600 x3243
ATI Technologies Inc.
33 Commerce Valley Dr. E.
Thornhill, Ontario L3T 7N6 Canada
905-882-2600

B.95 ATI VCR 5.0

Compression Code or FourCC Codec ID: VCR5
Codec ID in the IANA Namespace: video/vnd.avi;codec=VCR5
Description: ATI VCR 5.0
Contact:
Ivan Yang
Ivan@atitech.ca
905-882-2600 x3243
ATI Technologies Inc.
33 Commerce Valley Dr. E.
Thornhill, Ontario L3T 7N6 Canada
905-882-2600

B.96 ATI VCR 6.0

Compression Code or FourCC Codec ID: VCR6
Codec ID in the IANA Namespace: video/vnd.avi;codec=VCR6
Description: ATI VCR 6.0
Contact:
Ivan Yang
Ivan@atitech.ca
905-882-2600 x3243
ATI Technologies Inc.
33 Commerce Valley Dr. E.
Thornhill, Ontario L3T 7N6 Canada
905-882-2600

B.97 ATI VCR 7.0

Compression Code or FourCC Codec ID: VCR7
Codec ID in the IANA Namespace: video/vnd.avi;codec=VCR7
Description: ATI VCR 7.0
Contact:
Ivan Yang
Ivan@atitech.ca
905-882-2600 x3243
ATI Technologies Inc.
33 Commerce Valley Dr. E.
Thornhill, Ontario L3T 7N6 Canada
905-882-2600

B.98 ATI VCR 8.0

Compression Code or FourCC Codec ID: VCR8
Codec ID in the IANA Namespace: video/vnd.avi;codec=VCR8
Description: ATI VCR 8.0
Contact:
Ivan Yang
Ivan@atitech.ca
905-882-2600 x3243
ATI Technologies Inc.
33 Commerce Valley Dr. E.
Thornhill, Ontario L3T 7N6 Canada
905-882-2600

B.99 ATI VCR 9.0

Compression Code or FourCC Codec ID: VCR9
Codec ID in the IANA Namespace: video/vnd.avi;codec=VCR9
Description: ATI VCR 9.0
Contact:
Ivan Yang
Ivan@atitech.ca
905-882-2600 x3243
ATI Technologies Inc.
33 Commerce Valley Dr. E.
Thornhill, Ontario L3T 7N6 Canada
905-882-2600

B.100 Video Maker Pro DIB

Compression Code or FourCC Codec ID: VDCT
Codec ID in the IANA Namespace: video/vnd.avi;codec=VDCT
Description: Video Maker Pro DIB
Bit Depth: 16
Contact:
Gueirard RJ
33 1 46 29 0300
Vitec Multimedia
99 rue Pierre Semard
F-92320 Chatillon France
33-1-46-73-06-06

B.101 YUV 4:2:2 CCIR 601 for V422

Compression Code or FourCC Codec ID: VIDS
Codec ID in the IANA Namespace: video/vnd.avi;codec=VIDS
Description: YUV 4:2:2 CCIR for V422
Bit Depth: 24, 16
Contact:
Gueirard RJ
33 1 46 29 0300
Vitec Multimedia
99 rue Pierre Semard
F-92320 Chatillon France
33-1-46-73-06-06

B.102 Vivo H.263

Compression Code or FourCC Codec ID: VIVO (Note: it is also registered as vivo)
Codec ID in the IANA Namespace: video/vnd.avi;codec=VIVO
(Note: it is also registered as video/vnd.avi;codec=vivo)
Description: Vivo H.263
Bit Depth: 16
Contact:
Vivo Software
411 Waverley Oaks Road, Suite 313
Waltham, MA 02154 USA
(617) 899-8900

B.103 VIXL

Compression Code or FourCC Codec ID: VIXL
Codec ID in the IANA Namespace: video/vnd.avi;codec=VIXL
Description: for use with the miro video
and movie products
Bit Depth: 8, 16, 24
Contact:
Matthias Huebner
49-531-2113-519
Miro Computer Products AG
Carl-Miele-Strasse 4
Braunschweig 38112 Germany
49-531-2113-0

B.104 VLCAP.DRV

Compression Code or FourCC Codec ID: VLV1
Codec ID in the IANA Namespace: video/vnd.avi;codec=VLV1
Description: VLCAP.DRV
Contact:
Videologic
Home Park Estate
Kings Langley WD4 8LZ UK
44923260511

B.105 W9960

Compression Code or FourCC Codec ID: WBVC
Codec ID in the IANA Namespace: video/vnd.avi;codec=WBVC
Description: W9960
Contact:
Jason Lin
JLLIN@winbond.com.tw
Winbond Electronics Corp
PG41, No. 9, Li Hsin Rd.
Science-Based Industrial Park
Hsinchu, Taiwan
886-3-5790666 x6641

B.106 mmioFOURCC('X','2','6','3')

Compression Code or FourCC Codec ID: X263
Codec ID in the IANA Namespace: video/vnd.avi;codec=X263
Description: mmioFOURCC('X','2','6','3')
Bit Depth: 12 bits/pixel
Contact:
Min-Hsiung Lin
Min.Lin@xirlink.com
Xirlink, Inc.
2210 O'Toole Ave.
San Jose, California 95131 USA
408-324-2100

B.107 XL Video Decoder

Compression Code or FourCC Codec ID: XLV0
Codec ID in the IANA Namespace: video/vnd.avi;codec=XLV0
Description: PC1 4:1:1 with transparency
Contact:
Gary Grandbois
NetXL, Inc
48521 Warm Springs Blvd., Suite 310
Fremont, California 94539 USA
510-445-8734

B.108 YUV 2:1:1 Packed

Compression Code or FourCC Codec ID: Y211
Codec ID in the IANA Namespace: video/vnd.avi;codec=Y211
Description: YUV 2:1:1 Packed
Bit Depth: 8
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.109 YUV 4:1:1 Packed

Compression Code or FourCC Codec ID: Y411
Codec ID in the IANA Namespace: video/vnd.avi;codec=Y411
Description: YUV 4:1:1 Packed
Bit Depth: 16
Contact:
Terri Hendry, 425-936-2069
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.110 YUV 4:1:1 Planar

Compression Code or FourCC Codec ID: Y41B
Codec ID in the IANA Namespace: video/vnd.avi;codec=Y41B
Description: YUV 4:1:1 Planar
Contact:
408-522-7541
Weitek (USA)

B.111 PC1 4:1:1

Compression Code or FourCC Codec ID: Y41P
Codec ID in the IANA Namespace: video/vnd.avi;codec=Y41P
Description: PC1 4:1:1
Bit Depth: 12
Contact:
Dave Wilson
512-502-1725
Brooktree Corporation
9868 Scranton Road
San Diego, California 92121-3707 USA
1-800-228-2777

B.112 PC1 4:1:1 with transparency

Compression Code or FourCC Codec ID: Y41T
Codec ID in the IANA Namespace: video/vnd.avi;codec=Y41T
Description: PC1 4:1:1 with transparency
Bit Depth: 12
Contact:
Dave Wilson
512-502-1725
Brooktree Corporation
9868 Scranton Road
San Diego, California 92121-3707 USA
1-800-228-2777

B.113 YUV 4:2:2 Planar

Compression Code or FourCC Codec ID: Y42B
Codec ID in the IANA Namespace: video/vnd.avi;codec=Y42B
Description: YUV 4:2:2 Planar
Contact:
Weitek (USA)
408-522-7541

B.114 PCI 4:2:2 with transparency

Compression Code or FourCC Codec ID: Y42T
Codec ID in the IANA Namespace: video/vnd.avi;codec=Y42T
Description: PCI 4:2:2 with transparency
Bit Depth: 12
Contact:
Dave Wilson
512-502-1725
Brooktree Corporation
9868 Scranton Road
San Diego, California 92121-3707 USA
1-800-228-2777

B.115 Intel YUV12 Codec

Compression Code or FourCC Codec ID: YC12
Codec ID in the IANA Namespace: video/vnd.avi;codec=YC12
Description: Intel YUV12 Codec
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.116 Winnov Caviar YUV8

Compression Code or FourCC Codec ID: YUV8
Codec ID in the IANA Namespace: video/vnd.avi;codec=YUV8
Description: Winnov Caviar YUV8
Contact:
Winnov, Inc.
1230 Oakmead Parkway, Suite 312
Sunnyvale, California 94086
408-733-7419

B.117 YUV9

Compression Code or FourCC Codec ID: YUV9
Codec ID in the IANA Namespace: video/vnd.avi;codec=YUV9
Description: YUV9
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.118 YUYV 4:2:2 byte ordering packed

Compression Code or FourCC Codec ID: YUY2
Codec ID in the IANA Namespace: video/vnd.avi;codec=YUY2
Description: YUYV 4:2:2 byte ordering packed
Bit Depth: 16
Contact:
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399 USA

B.119 BI_YUYV, Canopus

Compression Code or FourCC Codec ID: YUYV
Codec ID in the IANA Namespace: video/vnd.avi;codec=YUYV
Description: BI_YUYV, Canopus
Bit Depth: 16
Contact:
Masayoshi Araki
m-araki@canopus.co.jp
81-78-992-7812
Canopus, Co., Ltd.
Kobe Hi-Tech Park
1-2-2 Murotani, Nishi-ku
Kobe, Hyogo 651-22 Japan

B.120 YVU12 Planar

Compression Code or FourCC Codec ID: YV12
Codec ID in the IANA Namespace: video/vnd.avi;codec=YV12
Description: YVU12 Planar
Contact:
Weitek
408-522-7541

B.121 YVU9 Planar

Compression Code or FourCC Codec ID: YVU9
Codec ID in the IANA Namespace: video/vnd.avi;codec=YVU9
Description: YVU9 Planar
Bit Depth: 9
Contact:
Intel Corporation
5200 NE Elam Young Parkway
Hillsboro, Oregon 97124 USA
503-696-2448

B.122 YVYU 4:2:2 byte ordering

Compression Code or FourCC Codec ID:	YVYU
Codec ID in the IANA Namespace:	video/vnd.avi;codec=YUV9
Description:	YVYU
Bit Depth:	16
Contact:	
Microsoft Corporation	
One Microsoft Way	
Redmond, WA 98052-6399 USA	

B.123 Video Zipper

Compression Code or FourCC Codec ID:	ZPEG
Codec ID in the IANA Namespace:	video/vnd.avi;codec=ZPEG
Description:	for the Video Zipper
Contact:	
Metheus	
1600 NW Compton Drive	
Beaverton, Oregon 97006-6905 USA	
503-690-1550	

C. Full Copyright Statement

Copyright (C) The Internet Society (1998). All Rights Reserved.

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

