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#define MM_MINDMAKER_GC_WAVEOUT 2
#define MM_MINDMAKER_GC_MIXER 3

/* MM_TELEKOL product IDs */
#define MM_TELEKOL_WAVEOUT 1
#define MM_TELEKOL_WAVEIN 2

/* MM_ALGOVISION product IDs */
#define MM_ALGOVISION_VB80WAVEOUT 1
#define MM_ALGOVISION_VB80WAVEIN 2
#define MM_ALGOVISION_VB80MIXER 3
#define MM_ALGOVISION_VB80AUX 4
#define MM_ALGOVISION_VB80AUX2 5

#endif // !NOMMIDS

/* ----- */

/*
        INFO LIST CHUNKS (from the Multimedia Programmer's Reference
        plus new ones)
*/
#define RIFFINFO_IARL mmioFOURCC ('I', 'A', 'R', 'L') /*Archival location */
/*
#define RIFFINFO_IART mmioFOURCC ('I', 'A', 'R', 'T') /*Artist */
#define RIFFINFO_ICMS mmioFOURCC ('I', 'C', 'M', 'S') /*Commissioned */
#define RIFFINFO_ICMT mmioFOURCC ('I', 'C', 'M', 'T') /*Comments */
#define RIFFINFO_ICOP mmioFOURCC ('I', 'C', 'O', 'P') /*Copyright */
#define RIFFINFO_ICRD mmioFOURCC ('I', 'C', 'R', 'D') /*Creation date of
subject */
#define RIFFINFO_ICRP mmioFOURCC ('I', 'C', 'R', 'P') /*Cropped */
#define RIFFINFO_IDIM mmioFOURCC ('I', 'D', 'I', 'M') /*Dimensions */
#define RIFFINFO_IDPI mmioFOURCC ('I', 'D', 'P', 'I') /*Dots per inch */
#define RIFFINFO_IENG mmioFOURCC ('I', 'E', 'N', 'G') /*Engineer */
#define RIFFINFO_IGNR mmioFOURCC ('I', 'G', 'N', 'R') /*Genre */
#define RIFFINFO_IKEY mmioFOURCC ('I', 'K', 'E', 'Y') /*Keywords */
#define RIFFINFO_ILGT mmioFOURCC ('I', 'L', 'G', 'T') /*Lightness settings */
/*
#define RIFFINFO_IMED mmioFOURCC ('I', 'M', 'E', 'D') /*Medium */
#define RIFFINFO_INAM mmioFOURCC ('I', 'N', 'A', 'M') /*Name of subject */
/*
#define RIFFINFO_IPLT mmioFOURCC ('I', 'P', 'L', 'T') /*Palette Settings.
No. of colors requested. */
#define RIFFINFO_IPRD mmioFOURCC ('I', 'P', 'R', 'D') /*Product */
#define RIFFINFO_ISBJ mmioFOURCC ('I', 'S', 'B', 'J') /*Subject */
description */
#define RIFFINFO_ISFT mmioFOURCC ('I', 'S', 'F', 'T') /*Software. Name of
package used to create file. */
#define RIFFINFO_ISHP mmioFOURCC ('I', 'S', 'H', 'P') /*Sharpness. */

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#define RIFFINFO_ISRC      mmioFOURCC ('I', 'S', 'R', 'C')    /*Source. */
#define RIFFINFO_ISRF      mmioFOURCC ('I', 'S', 'R', 'F')    /*Source Form. ie
    slide, paper */
#define RIFFINFO_ITCH      mmioFOURCC ('I', 'T', 'C', 'H')    /*Technician who
    digitized the subject. */

/* New INFO Chunks as of August 30, 1993: */
#define RIFFINFO_ISMP      mmioFOURCC ('I', 'S', 'M', 'P')    /*SMPTE time code
    */
/* ISMP: SMPTE time code of digitization start point expressed as a NULL terminated
    text string "HH:MM:SS:FF". If performing MCI capture in AVICAP,
    this
    chunk will be automatically set based on the MCI start time.
*/
#define RIFFINFO_IDIT      mmioFOURCC ('I', 'D', 'I', 'T')    /*Digitization Time
    */
/* IDIT: "Digitization Time" Specifies the time and date that the digitization
    commenced.
    The digitization time is contained in an ASCII string which
    contains exactly 26 characters and is in the format
    "Wed Jan 02 02:03:55 1990\n\0".
    The ctime(), asctime(), functions can be used to create strings
    in this format. This chunk is automatically added to the capture
    file based on the current system time at the moment capture is
    initiated.
*/
#define RIFFINFO_ITRK      mmioFOURCC ('I', 'T', 'R', 'K')    /*ASCIIZ
    representation of the 1-based track number of the content. */
#define RIFFINFO_ITOC      mmioFOURCC ('I', 'T', 'O', 'C')    /*A dump of the
    table of contents from the CD the content originated from. */

/*Template line for new additions*/
/*#define RIFFINFO_I      mmioFOURCC ('I', '', '', '')    */

/* -----
    */

#endif /* WINAPI_FAMILY_PARTITION(WINAPI_PARTITION_DESKTOP) */
#pragma endregion

#pragma region Application Family
#if WINAPI_FAMILY_PARTITION(WINAPI_PARTITION_APP)

#ifndef NONEXWAVE

/* WAVE form wFormatTag IDs */
#define WAVE_FORMAT_UNKNOWN      0x0000 /* Microsoft Corporation */
#define WAVE_FORMAT_ADPCM      0x0002 /* Microsoft Corporation */
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#define WAVE_FORMAT_IEEE_FLOAT          0x0003 /* Microsoft Corporation */
#define WAVE_FORMAT_VSELP                0x0004 /* Compaq Computer Corp. */
#define WAVE_FORMAT_IBM_CVSD             0x0005 /* IBM Corporation */
#define WAVE_FORMAT_ALAW                 0x0006 /* Microsoft Corporation */
#define WAVE_FORMAT_MULAW                0x0007 /* Microsoft Corporation */
#define WAVE_FORMAT_DTS                  0x0008 /* Microsoft Corporation */
#define WAVE_FORMAT_DRM                  0x0009 /* Microsoft Corporation */
#define WAVE_FORMAT_WMAVOICE9            0x000A /* Microsoft Corporation */
#define WAVE_FORMAT_WMAVOICE10           0x000B /* Microsoft Corporation */
#define WAVE_FORMAT_OKI_ADPCM            0x0010 /* OKI */
#define WAVE_FORMAT_DVI_ADPCM            0x0011 /* Intel Corporation */
#define WAVE_FORMAT_IMA_ADPCM            (WAVE_FORMAT_DVI_ADPCM) /* Intel Corporation */
#define WAVE_FORMAT_MEDIASPACE_ADPCM    0x0012 /* Videologic */
#define WAVE_FORMAT_SIERRA_ADPCM         0x0013 /* Sierra Semiconductor Corp */
#define WAVE_FORMAT_G723_ADPCM           0x0014 /* Antex Electronics Corporation */
#define WAVE_FORMAT_DIGISTD              0x0015 /* DSP Solutions, Inc. */
#define WAVE_FORMAT_DIGIFIX              0x0016 /* DSP Solutions, Inc. */
#define WAVE_FORMAT_DIALOGIC_OKI_ADPCM   0x0017 /* Dialogic Corporation */
#define WAVE_FORMAT_MEDIAVISIION_ADPCM   0x0018 /* Media Vision, Inc. */
#define WAVE_FORMAT_CU_CODEC              0x0019 /* Hewlett-Packard Company */
#define WAVE_FORMAT_HP_DYN_VOICE         0x001A /* Hewlett-Packard Company */
#define WAVE_FORMAT_YAMAHA_ADPCM         0x0020 /* Yamaha Corporation of America */
#define WAVE_FORMAT_SONARC                0x0021 /* Speech Compression */
#define WAVE_FORMAT_DSPGROUP_TRUESPEECH  0x0022 /* DSP Group, Inc */
#define WAVE_FORMAT_ECHOSC1              0x0023 /* Echo Speech Corporation */
#define WAVE_FORMAT_AUDIOFILE_AF36       0x0024 /* Virtual Music, Inc. */
#define WAVE_FORMAT_APTX                  0x0025 /* Audio Processing Technology */
#define WAVE_FORMAT_AUDIOFILE_AF10       0x0026 /* Virtual Music, Inc. */
#define WAVE_FORMAT_PROSODY_1612         0x0027 /* Aculab plc */
#define WAVE_FORMAT_LRC                   0x0028 /* Merging Technologies S.A. */
#define WAVE_FORMAT_DOLBY_AC2             0x0030 /* Dolby Laboratories */
#define WAVE_FORMAT_GSM610               0x0031 /* Microsoft Corporation */
#define WAVE_FORMAT_MSNAUDIO              0x0032 /* Microsoft Corporation */
#define WAVE_FORMAT_ANTEX_ADPCME         0x0033 /* Antex Electronics Corporation */
#define WAVE_FORMAT_CONTROL_RES_VQLPC    0x0034 /* Control Resources Limited */
#define WAVE_FORMAT_DIGIREAL              0x0035 /* DSP Solutions, Inc. */
#define WAVE_FORMAT_DIGIADPCM             0x0036 /* DSP Solutions, Inc. */
#define WAVE_FORMAT_CONTROL_RES_CR10     0x0037 /* Control Resources Limited

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*/
#define WAVE_FORMAT_NMS_VBXADPCM          0x0038 /* Natural MicroSystems */
#define WAVE_FORMAT_CS_IMAADPCM          0x0039 /* Crystal Semiconductor IMA ↗
    ADPCM */
#define WAVE_FORMAT_ECHOSC3              0x003A /* Echo Speech Corporation ↗
*/
#define WAVE_FORMAT_ROCKWELL_ADPCM       0x003B /* Rockwell International */
#define WAVE_FORMAT_ROCKWELL_DIGITALK    0x003C /* Rockwell International */
#define WAVE_FORMAT_XEBEC                0x003D /* Xebec Multimedia ↗
    Solutions Limited */
#define WAVE_FORMAT_G721_ADPCM           0x0040 /* Antex Electronics ↗
    Corporation */
#define WAVE_FORMAT_G728_CELP            0x0041 /* Antex Electronics ↗
    Corporation */
#define WAVE_FORMAT_MSG723               0x0042 /* Microsoft Corporation */
#define WAVE_FORMAT_INTEL_G723_1         0x0043 /* Intel Corp. */
#define WAVE_FORMAT_INTEL_G729           0x0044 /* Intel Corp. */
#define WAVE_FORMAT_SHARP_G726           0x0045 /* Sharp */
#define WAVE_FORMAT_MPEG                 0x0050 /* Microsoft Corporation */
#define WAVE_FORMAT_RT24                 0x0052 /* InSoft, Inc. */
#define WAVE_FORMAT_PAC                  0x0053 /* InSoft, Inc. */
#define WAVE_FORMAT_MPEGLAYER3          0x0055 /* ISO/MPEG Layer3 Format ↗
    Tag */
#define WAVE_FORMAT_LUCENT_G723          0x0059 /* Lucent Technologies */
#define WAVE_FORMAT_CIRRUS               0x0060 /* Cirrus Logic */
#define WAVE_FORMAT_ESPCM                0x0061 /* ESS Technology */
#define WAVE_FORMAT_VOXWARE              0x0062 /* Voxware Inc */
#define WAVE_FORMAT_CANOPUS_ATRAC        0x0063 /* Canopus, co., Ltd. */
#define WAVE_FORMAT_G726_ADPCM           0x0064 /* APICOM */
#define WAVE_FORMAT_G722_ADPCM           0x0065 /* APICOM */
#define WAVE_FORMAT_DSAT                 0x0066 /* Microsoft Corporation */
#define WAVE_FORMAT_DSAT_DISPLAY         0x0067 /* Microsoft Corporation */
#define WAVE_FORMAT_VOXWARE_BYTE_ALIGNED 0x0069 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_AC8          0x0070 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_AC10         0x0071 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_AC16         0x0072 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_AC20         0x0073 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_RT24         0x0074 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_RT29         0x0075 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_RT29HW       0x0076 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_VR12         0x0077 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_VR18         0x0078 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_TQ40         0x0079 /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_SC3          0x007A /* Voxware Inc */
#define WAVE_FORMAT_VOXWARE_SC3_1        0x007B /* Voxware Inc */
#define WAVE_FORMAT_SOFTSOUND            0x0080 /* Softsound, Ltd. */
#define WAVE_FORMAT_VOXWARE_TQ60         0x0081 /* Voxware Inc */
#define WAVE_FORMAT_MSRT24               0x0082 /* Microsoft Corporation */
#define WAVE_FORMAT_G729A                0x0083 /* AT&T Labs, Inc. */

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#define WAVE_FORMAT_MVI_MVI2 0x0084 /* Motion Pixels */
#define WAVE_FORMAT_DF_G726 0x0085 /* DataFusion Systems (Pty) ↗
(Ltd) */
#define WAVE_FORMAT_DF_GSM610 0x0086 /* DataFusion Systems (Pty) ↗
(Ltd) */
#define WAVE_FORMAT_ISIAUDIO 0x0088 /* Iterated Systems, Inc. */
#define WAVE_FORMAT_ONLIVE 0x0089 /* OnLive! Technologies, ↗
Inc. */
#define WAVE_FORMAT_MULTITUDE_FT_SX20 0x008A /* Multitude Inc. */
#define WAVE_FORMAT_INFOCOM_ITS_G721_ADPCM 0x008B /* Infocom */
#define WAVE_FORMAT_CONVEDIA_G729 0x008C /* Convedia Corp. */
#define WAVE_FORMAT_CONGRUENCY 0x008D /* Congruency Inc. */
#define WAVE_FORMAT_SBC24 0x0091 /* Siemens Business ↗
Communications Sys */
#define WAVE_FORMAT_DOLBY_AC3_SPDIF 0x0092 /* Sonic Foundry */
#define WAVE_FORMAT_MEDIASONIC_G723 0x0093 /* MediaSonic */
#define WAVE_FORMAT_PROSODY_8KBPS 0x0094 /* Aculab plc */
#define WAVE_FORMAT_ZYXEL_ADPCM 0x0097 /* ZyXEL Communications, ↗
Inc. */
#define WAVE_FORMAT_PHILIPS_LPCBB 0x0098 /* Philips Speech Processing ↗
*/
#define WAVE_FORMAT_PACKED 0x0099 /* Studer Professional Audio ↗
AG */
#define WAVE_FORMAT_MALDEN_PHONYTALK 0x00A0 /* Malden Electronics Ltd. ↗
*/
#define WAVE_FORMAT_RACAL_RECORDER_GSM 0x00A1 /* Racal recorders */
#define WAVE_FORMAT_RACAL_RECORDER_G720_A 0x00A2 /* Racal recorders */
#define WAVE_FORMAT_RACAL_RECORDER_G723_1 0x00A3 /* Racal recorders */
#define WAVE_FORMAT_RACAL_RECORDER_TETRA_ACELP 0x00A4 /* Racal recorders */
#define WAVE_FORMAT_NEC_AAC 0x00B0 /* NEC Corp. */
#define WAVE_FORMAT_RAW_AAC1 0x00FF /* For Raw AAC, with format ↗
block AudioSpecificConfig() (as defined by MPEG-4), that follows WAVEFORMATEX */
#define WAVE_FORMAT_RHETOREX_ADPCM 0x0100 /* Rhetorex Inc. */
#define WAVE_FORMAT_IRAT 0x0101 /* BeCubed Software Inc. */
#define WAVE_FORMAT_VIVO_G723 0x0111 /* Vivo Software */
#define WAVE_FORMAT_VIVO_SIREN 0x0112 /* Vivo Software */
#define WAVE_FORMAT_PHILIPS_CELP 0x0120 /* Philips Speech Processing ↗
*/
#define WAVE_FORMAT_PHILIPS_GRUNDIG 0x0121 /* Philips Speech Processing ↗
*/
#define WAVE_FORMAT_DIGITAL_G723 0x0123 /* Digital Equipment ↗
Corporation */
#define WAVE_FORMAT_SANYO_LD_ADPCM 0x0125 /* Sanyo Electric Co., Ltd. ↗
*/
#define WAVE_FORMAT_SIPROLAB_ACEPLNET 0x0130 /* Sipro Lab Telecom Inc. */
#define WAVE_FORMAT_SIPROLAB_ACELP4800 0x0131 /* Sipro Lab Telecom Inc. */
#define WAVE_FORMAT_SIPROLAB_ACELP8V3 0x0132 /* Sipro Lab Telecom Inc. */
#define WAVE_FORMAT_SIPROLAB_G729 0x0133 /* Sipro Lab Telecom Inc. */
#define WAVE_FORMAT_SIPROLAB_G729A 0x0134 /* Sipro Lab Telecom Inc. */

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#define WAVE_FORMAT_SIPROLAB_KELVIN          0x0135 /* Sipro Lab Telecom Inc. */
#define WAVE_FORMAT_VOICEAGE_AMR            0x0136 /* VoiceAge Corp. */
#define WAVE_FORMAT_G726ADPCM               0x0140 /* Dictaphone Corporation */
#define WAVE_FORMAT_DICTAPHONE_CELP68       0x0141 /* Dictaphone Corporation */
#define WAVE_FORMAT_DICTAPHONE_CELP54       0x0142 /* Dictaphone Corporation */
#define WAVE_FORMAT_QUALCOMM_PUREVOICE       0x0150 /* Qualcomm, Inc. */
#define WAVE_FORMAT_QUALCOMM_HALFRATE       0x0151 /* Qualcomm, Inc. */
#define WAVE_FORMAT_TUBGSM                  0x0155 /* Ring Zero Systems, Inc. ↗
*/

#define WAVE_FORMAT_MSAUDIO1                 0x0160 /* Microsoft Corporation */
#define WAVE_FORMAT_WMAUDIO2                 0x0161 /* Microsoft Corporation */
#define WAVE_FORMAT_WMAUDIO3                 0x0162 /* Microsoft Corporation */
#define WAVE_FORMAT_WMAUDIO_LOSSLESS        0x0163 /* Microsoft Corporation */
#define WAVE_FORMAT_WMASPDIF                 0x0164 /* Microsoft Corporation */
#define WAVE_FORMAT_UNISYS_NAP_ADPCM         0x0170 /* Unisys Corp. */
#define WAVE_FORMAT_UNISYS_NAP_ULAW         0x0171 /* Unisys Corp. */
#define WAVE_FORMAT_UNISYS_NAP_ALAW         0x0172 /* Unisys Corp. */
#define WAVE_FORMAT_UNISYS_NAP_16K         0x0173 /* Unisys Corp. */
#define WAVE_FORMAT_SYCOM_ACM_SYC008        0x0174 /* SyCom Technologies */
#define WAVE_FORMAT_SYCOM_ACM_SYC701_G726L  0x0175 /* SyCom Technologies */
#define WAVE_FORMAT_SYCOM_ACM_SYC701_CELP54 0x0176 /* SyCom Technologies */
#define WAVE_FORMAT_SYCOM_ACM_SYC701_CELP68 0x0177 /* SyCom Technologies */
#define WAVE_FORMAT_KNOWLEDGE_ADVENTURE_ADPCM 0x0178 /* Knowledge Adventure, Inc. ↗
*/

#define WAVE_FORMAT_FRAUNHOFER_IIS_MPEG2_AAC 0x0180 /* Fraunhofer IIS */
#define WAVE_FORMAT_DTS_DS                   0x0190 /* Digital Theatre Systems, ↗
Inc. */

#define WAVE_FORMAT_CREATIVE_ADPCM          0x0200 /* Creative Labs, Inc */
#define WAVE_FORMAT_CREATIVE_FASTSPEECH8    0x0202 /* Creative Labs, Inc */
#define WAVE_FORMAT_CREATIVE_FASTSPEECH10   0x0203 /* Creative Labs, Inc */
#define WAVE_FORMAT_UHER_ADPCM              0x0210 /* UHER informatic GmbH */
#define WAVE_FORMAT_ULEAD_DV_AUDIO          0x0215 /* Ulead Systems, Inc. */
#define WAVE_FORMAT_ULEAD_DV_AUDIO_1        0x0216 /* Ulead Systems, Inc. */
#define WAVE_FORMAT_QUARTERDECK             0x0220 /* Quarterdeck Corporation ↗
*/

#define WAVE_FORMAT_ILINK_VC                0x0230 /* I-link Worldwide */
#define WAVE_FORMAT_RAW_SPORT               0x0240 /* Aureal Semiconductor */
#define WAVE_FORMAT_ESST_AC3                0x0241 /* ESS Technology, Inc. */
#define WAVE_FORMAT_GENERIC_PASSTHRU        0x0249
#define WAVE_FORMAT_IPI_HSX                 0x0250 /* Interactive Products, ↗
Inc. */

#define WAVE_FORMAT_IPI_RPELP               0x0251 /* Interactive Products, ↗
Inc. */

#define WAVE_FORMAT_CS2                     0x0260 /* Consistent Software */
#define WAVE_FORMAT_SONY_SCX                 0x0270 /* Sony Corp. */
#define WAVE_FORMAT_SONY_SCY                 0x0271 /* Sony Corp. */
#define WAVE_FORMAT_SONY_ATRAC3             0x0272 /* Sony Corp. */
#define WAVE_FORMAT_SONY_SPC                 0x0273 /* Sony Corp. */
#define WAVE_FORMAT_TELUM_AUDIO             0x0280 /* Telum Inc. */

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#define WAVE_FORMAT_TELUM_IA_AUDIO 0x0281 /* Telum Inc. */
#define WAVE_FORMAT_NORCOM_VOICE_SYSTEMS_ADPCM 0x0285 /* Norcom Electronics Corp. ↗
*/
#define WAVE_FORMAT_FM_TOWNS_SND 0x0300 /* Fujitsu Corp. */
#define WAVE_FORMAT_MICRONAS 0x0350 /* Micronas Semiconductors, ↗
Inc. */
#define WAVE_FORMAT_MICRONAS_CELP833 0x0351 /* Micronas Semiconductors, ↗
Inc. */
#define WAVE_FORMAT_BTV_DIGITAL 0x0400 /* Brooktree Corporation */
#define WAVE_FORMAT_INTEL_MUSIC_CODER 0x0401 /* Intel Corp. */
#define WAVE_FORMAT_INDEO_AUDIO 0x0402 /* Ligos */
#define WAVE_FORMAT_QDESIGN_MUSIC 0x0450 /* QDesign Corporation */
#define WAVE_FORMAT_ON2_VP7_AUDIO 0x0500 /* On2 Technologies */
#define WAVE_FORMAT_ON2_VP6_AUDIO 0x0501 /* On2 Technologies */
#define WAVE_FORMAT_VME_VMPCM 0x0680 /* AT&T Labs, Inc. */
#define WAVE_FORMAT_TPC 0x0681 /* AT&T Labs, Inc. */
#define WAVE_FORMAT_LIGHTWAVE_LOSSLESS 0x08AE /* Clearjump */
#define WAVE_FORMAT_OLIGSM 0x1000 /* Ing C. Olivetti & C., ↗
S.p.A. */
#define WAVE_FORMAT_OLIADPCM 0x1001 /* Ing C. Olivetti & C., ↗
S.p.A. */
#define WAVE_FORMAT_OLICELP 0x1002 /* Ing C. Olivetti & C., ↗
S.p.A. */
#define WAVE_FORMAT_OLISBC 0x1003 /* Ing C. Olivetti & C., ↗
S.p.A. */
#define WAVE_FORMAT_OLIOPR 0x1004 /* Ing C. Olivetti & C., ↗
S.p.A. */
#define WAVE_FORMAT_LH_CODEC 0x1100 /* Lernout & Hauspie */
#define WAVE_FORMAT_LH_CODEC_CELP 0x1101 /* Lernout & Hauspie */
#define WAVE_FORMAT_LH_CODEC_SBC8 0x1102 /* Lernout & Hauspie */
#define WAVE_FORMAT_LH_CODEC_SBC12 0x1103 /* Lernout & Hauspie */
#define WAVE_FORMAT_LH_CODEC_SBC16 0x1104 /* Lernout & Hauspie */
#define WAVE_FORMAT_NORRIS 0x1400 /* Norris Communications, ↗
Inc. */
#define WAVE_FORMAT_ISIAUDIO_2 0x1401 /* ISIAudio */
#define WAVE_FORMAT_SOUNDSPACE_MUSICOMPRESS 0x1500 /* AT&T Labs, Inc. */
#define WAVE_FORMAT_MPEG_ADTS_AAC 0x1600 /* Microsoft Corporation */
#define WAVE_FORMAT_MPEG_RAW_AAC 0x1601 /* Microsoft Corporation */
#define WAVE_FORMAT_MPEG_LOAS 0x1602 /* Microsoft Corporation ↗
(MPEG-4 Audio Transport Streams (LOAS/LATM) */
#define WAVE_FORMAT_NOKIA_MPEG_ADTS_AAC 0x1608 /* Microsoft Corporation */
#define WAVE_FORMAT_NOKIA_MPEG_RAW_AAC 0x1609 /* Microsoft Corporation */
#define WAVE_FORMAT_VODAFONE_MPEG_ADTS_AAC 0x160A /* Microsoft Corporation */
#define WAVE_FORMAT_VODAFONE_MPEG_RAW_AAC 0x160B /* Microsoft Corporation */
#define WAVE_FORMAT_MPEG_HEAAC 0x1610 /* Microsoft Corporation ↗
(MPEG-2 AAC or MPEG-4 HE-AAC v1/v2 streams with any payload (ADTS, ADIF, LOAS/
LATM, RAW). Format block includes MP4 AudioSpecificConfig() -- see ↗
HEAACWAVEFORMAT below */
#define WAVE_FORMAT_VOXWARE_RT24_SPEECH 0x181C /* Voxware Inc. */

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#define WAVE_FORMAT_SONICFOUNDRY_LOSSLESS 0x1971 /* Sonic Foundry */
#define WAVE_FORMAT_INNINGS_TELECOM_ADPCM 0x1979 /* Innings Telecom Inc. */
#define WAVE_FORMAT_LUCENT_SX8300P 0x1C07 /* Lucent Technologies */
#define WAVE_FORMAT_LUCENT_SX5363S 0x1C0C /* Lucent Technologies */
#define WAVE_FORMAT_CUSEEME 0x1F03 /* CUSeeMe */
#define WAVE_FORMAT_NTCSOFT_ALF2CM_ACM 0x1FC4 /* NTCSoft */
#define WAVE_FORMAT_DVM 0x2000 /* FAST Multimedia AG */
#define WAVE_FORMAT_DTS2 0x2001
#define WAVE_FORMAT_MAKEAVIS 0x3313
#define WAVE_FORMAT_DIVIO_MPEG4_AAC 0x4143 /* Divio, Inc. */
#define WAVE_FORMAT_NOKIA_ADAPTIVE_MULTIRATE 0x4201 /* Nokia */
#define WAVE_FORMAT_DIVIO_G726 0x4243 /* Divio, Inc. */
#define WAVE_FORMAT_LEAD_SPEECH 0x434C /* LEAD Technologies */
#define WAVE_FORMAT_LEAD_VORBIS 0x564C /* LEAD Technologies */
#define WAVE_FORMAT_WAVPACK_AUDIO 0x5756 /* xiph.org */
#define WAVE_FORMAT_ALAC 0x6C61 /* Apple Lossless */
#define WAVE_FORMAT_OGG_VORBIS_MODE_1 0x674F /* Ogg Vorbis */
#define WAVE_FORMAT_OGG_VORBIS_MODE_2 0x6750 /* Ogg Vorbis */
#define WAVE_FORMAT_OGG_VORBIS_MODE_3 0x6751 /* Ogg Vorbis */
#define WAVE_FORMAT_OGG_VORBIS_MODE_1_PLUS 0x676F /* Ogg Vorbis */
#define WAVE_FORMAT_OGG_VORBIS_MODE_2_PLUS 0x6770 /* Ogg Vorbis */
#define WAVE_FORMAT_OGG_VORBIS_MODE_3_PLUS 0x6771 /* Ogg Vorbis */
#define WAVE_FORMAT_3COM_NBX 0x7000 /* 3COM Corp. */
#define WAVE_FORMAT_OPUS 0x704F /* Opus */
#define WAVE_FORMAT_FAAD_AAC 0x706D
#define WAVE_FORMAT_AMR_NB 0x7361 /* AMR Narrowband */
#define WAVE_FORMAT_AMR_WB 0x7362 /* AMR Wideband */
#define WAVE_FORMAT_AMR_WP 0x7363 /* AMR Wideband Plus */
#define WAVE_FORMAT_GSM_AMR_CBR 0x7A21 /* GSMA/3GPP */
#define WAVE_FORMAT_GSM_AMR_VBR_SID 0x7A22 /* GSMA/3GPP */
#define WAVE_FORMAT_COMVERSE_INFOSYS_G723_1 0xA100 /* Comverse Infosys */
#define WAVE_FORMAT_COMVERSE_INFOSYS_AVQSBC 0xA101 /* Comverse Infosys */
#define WAVE_FORMAT_COMVERSE_INFOSYS_SBC 0xA102 /* Comverse Infosys */
#define WAVE_FORMAT_SYMBOL_G729_A 0xA103 /* Symbol Technologies */
#define WAVE_FORMAT_VOICEAGE_AMR_WB 0xA104 /* VoiceAge Corp. */
#define WAVE_FORMAT_INGENIENT_G726 0xA105 /* Ingenient Technologies,
    Inc. */
#define WAVE_FORMAT_MPEG4_AAC 0xA106 /* ISO/MPEG-4 */
#define WAVE_FORMAT_ENCORE_G726 0xA107 /* Encore Software */
#define WAVE_FORMAT_ZOLL_ASAO 0xA108 /* ZOLL Medical Corp. */
#define WAVE_FORMAT_SPEEX_VOICE 0xA109 /* xiph.org */
#define WAVE_FORMAT_VIANIX_MASC 0xA10A /* Vianix LLC */
#define WAVE_FORMAT_WM9_SPECTRUM_ANALYZER 0xA10B /* Microsoft */
#define WAVE_FORMAT_WMF_SPECTRUM_ANALYZER 0xA10C /* Microsoft */
#define WAVE_FORMAT_GSM_610 0xA10D
#define WAVE_FORMAT_GSM_620 0xA10E
#define WAVE_FORMAT_GSM_660 0xA10F
#define WAVE_FORMAT_GSM_690 0xA110
#define WAVE_FORMAT_GSM_ADAPTIVE_MULTIRATE_WB 0xA111

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```

#define WAVE_FORMAT_POLYCOM_G722          0xA112 /* Polycom */
#define WAVE_FORMAT_POLYCOM_G728          0xA113 /* Polycom */
#define WAVE_FORMAT_POLYCOM_G729_A        0xA114 /* Polycom */
#define WAVE_FORMAT_POLYCOM_SIREN         0xA115 /* Polycom */
#define WAVE_FORMAT_GLOBAL_IP_ILBC        0xA116 /* Global IP */
#define WAVE_FORMAT_RADIOTIME_TIME_SHIFT_RADIO 0xA117 /* RadioTime */
#define WAVE_FORMAT_NICE_ACA               0xA118 /* Nice Systems */
#define WAVE_FORMAT_NICE_ADPCM             0xA119 /* Nice Systems */
#define WAVE_FORMAT_VOCORD_G721            0xA11A /* Vocord Telecom */
#define WAVE_FORMAT_VOCORD_G726            0xA11B /* Vocord Telecom */
#define WAVE_FORMAT_VOCORD_G722_1         0xA11C /* Vocord Telecom */
#define WAVE_FORMAT_VOCORD_G728            0xA11D /* Vocord Telecom */
#define WAVE_FORMAT_VOCORD_G729           0xA11E /* Vocord Telecom */
#define WAVE_FORMAT_VOCORD_G729_A         0xA11F /* Vocord Telecom */
#define WAVE_FORMAT_VOCORD_G723_1         0xA120 /* Vocord Telecom */
#define WAVE_FORMAT_VOCORD_LBC             0xA121 /* Vocord Telecom */
#define WAVE_FORMAT_NICE_G728              0xA122 /* Nice Systems */
#define WAVE_FORMAT_FRACE_TELECOM_G729     0xA123 /* France Telecom */
#define WAVE_FORMAT_CODIAN                 0xA124 /* CODIAN */
#define WAVE_FORMAT_FLAC                   0xF1AC /* flac.sourceforge.net */

#if !defined(WAVE_FORMAT_EXTENSIBLE)
#define WAVE_FORMAT_EXTENSIBLE             0xFFFF /* Microsoft */
#endif // !defined(WAVE_FORMAT_EXTENSIBLE)

//
// New wave format development should be based on the
// WAVEFORMATEXTENSIBLE structure. WAVEFORMATEXTENSIBLE allows you to
// avoid having to register a new format tag with Microsoft. However, if
// you must still define a new format tag, the WAVE_FORMAT_DEVELOPMENT
// format tag can be used during the development phase of a new wave
// format. Before shipping, you MUST acquire an official format tag from
// Microsoft.
//
#define WAVE_FORMAT_DEVELOPMENT            (0xFFFF)

#endif /* NONNEWAVE */

#ifndef WAVE_FORMAT_PCM

/* general waveform format structure (information common to all formats) */
typedef struct waveformat_tag {
    WORD    wFormatTag;          /* format type */
    WORD    nChannels;           /* number of channels (i.e. mono, stereo...) */
    DWORD   nSamplesPerSec;      /* sample rate */
    DWORD   nAvgBytesPerSec;     /* for buffer estimation */
    WORD    nBlockAlign;         /* block size of data */
} WAVEFORMAT;
typedef WAVEFORMAT *PWAVEFORMAT;

```