

## Re: ACM Convert – acmStreamOpen return 512

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*Source:*

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.mmedia/2007-04/msg00016>.

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There are other easy ways of having the struct populated for you such as using `acmFormatSuggest()`. Pass in the PCM struct and it will give you a GSM struct out (with the appropriate flags and parameters of course).

The problem in this case however is probably your source PCM format. The sample rate and `BitsPerSample` is likely invalid for conversion. I use `BitsPerSample = 16` and `nSamplePerSec` of 8000 and it works ok. The source sample rate usually has to match the output sample rate, otherwise you can do sample rate conversion first using the PCM ACM codec.

—<http://www.chrisnet.net/code.htm>  
[MS MVP for DirectShow / MediaFoundation]

Thanks for your help.

I modified the code and just add `acmMetrics`(to calculate the size of the new format no?) and `acmFormatSuggest` functions and change the PCM struct.

```
'init dest for acmFormatSuggest
Dim gslDst As gsm610waveformat_tag
gslDst = New gsm610waveformat_tag
gslDst.wfx = New WAVEFORMATEX2
gslDst.wfx.wFormatTag = Wave.WAVEHDR.WAVE_FORMAT_GSM610

Dim retourMetrics As Integer

Dim ret As Integer = acmMetrics(0,
ACM_METRIC_MAX_SIZE_FORMAT, retourMetrics)

ret = acmFormatSuggest(hwnd, m_wfmt, gslDst.wfx,
retourMetrics, ACM_FORMATSUGGESTF_WFORMATTAG)

ret = acmStreamOpen(0, IntPtr.Zero, m_wfmt, gsm610.wfx,
IntPtr.Zero, IntPtr.Zero, IntPtr.Zero, ACM_STREAMOPENF_QUERY) ...
```

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```
....  
<DllImport("coredll.dll")> _  
Protected Shared Function acmFormatSuggest(ByRef has As  
IntPtr, ByVal pwfxSrc As Wave.WAVEFORMATEX, ByVal pwfxDst As  
WAVEFORMATEX, ByVal cbwfxDst As Integer, ByVal fdwSuggest As Integer)  
As MMSYSERR  
End Function  
<DllImport("coredll.dll")> _  
Protected Shared Function acmMetrics(ByRef hao As IntPtr,  
ByVal uMetric As Integer, ByRef pMetric As Integer) As MMSYSERR  
End Function  
....
```

Is there something wrong? the function "acmMetrics" turns over a value of 5. I think it's not normal... This value doesn't change after. I saw that it's a INVALIDHANDLE error. But for "acmMetrics" I don't use any handle.No?  
I am lost...

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