

```
; Attributes: bp-based frame
sub_407A28 proc near
var_20= byte ptr -20h
var_18= byte ptr -18h
var_10= dword ptr -10h
var_C= byte ptr -0Ch
var_8= dword ptr -8
var_4= byte ptr -1
arg_0= dword ptr 8
push    ebp
mov     ebp, esp
add    esp, OFFFFFFE0h
push    edi
push    esi
push    edx
test   dl, dl
jz     short loc_407A3D
```

```
add    esp, OFFFFFFFFF0h
call    sub_402AC8
```

```
loc_407A3D:
mov     esi, ecx
mov     [ebp+var_4], dl
mov     ebx, eax
xor     edx, cx
mov     ebx, eax
call    sub_4028FC
mov     [ebx+8], esi
lea     edx, [ebp+var_8]
mov     ecx, 4
mov     eax, esi
mov     edi, [eax]
call    dword ptr [edi+8]
cmp     eax, 4
jnz    short loc_407A78
```

```
lea     edx, [ebp+var_10]
mov     ecx, 5
mov     eax, esi
mov     edi, [eax]
call    dword ptr [edi+8]
cmp     eax, 5
jz     short loc_407ABE
```

```
loc_407A78:
mov     ecx, offset aCompressedBloc ; "Compressed block is corrupted"
mov     dl, 1
mov     eax, offset dword_407780
call    sub_405890
call    sub_402EB4
```

```
loc_407ABE:
lea     eax, [ebp+var_10]
mov     edx, 5
call    sub_407918
cmp     eax, [ebp+var_8]
jz     short loc_407B06
```

```
mov     ecx, offset aCompressedBloc ; "Compressed block is corrupted"
mov     dl, 1
mov     eax, offset dword_407780
call    sub_405890
call    sub_402EB4
```

```
loc_407AB6:
lea     edx, [ebp+var_18]
mov     eax, esi
mov     ecx, [eax]
call    dword ptr [ecx]
lea     eax, [ebp+var_18]
mov     edx, [ebp+var_10]
call    sub_40662C
lea     edx, [ebp+var_20]
mov     eax, esi
mov     ecx, [eax]
call    dword ptr [ecx+4]
lea     edx, [ebp+var_20]
lea     eax, [ebp+var_18]
call    sub_40660C
test   eax, eax
jle    short loc_407AF9
```

```
mov     ecx, offset aCompressedBloc ; "Compressed block is corrupted"
mov     dl, 1
mov     eax, offset dword_407780
call    sub_405890
call    sub_402EB4
```

```
loc_407AF9:
cmp     [ebp+var_C], 0
jz     short loc_407B0F
```

```
push    ebx
push    offset sub_407C5C
mov     dl, 1
mov     eax, [ebp+arg_0]
call    dword ptr [eax]
mov     [ebx+4], eax
```

```
loc_407B0F:
mov     eax, [ebp+var_10]
mov     [ebx+0Ch], eax
mov     byte ptr [ebx+10h], 1
cmp     [ebp+var_1], 0
jz     short loc_407B29
```

```
pop    large dword ptr fs:0
add    esp, 0Ch
```

```
loc_407B29:
mov     eax, ebx
pop    edi
pop    esi
pop    ebx
mov     esp, ebp
pop    ebp
ret    4
sub_407A28 endp ; sp-analysis failed
```