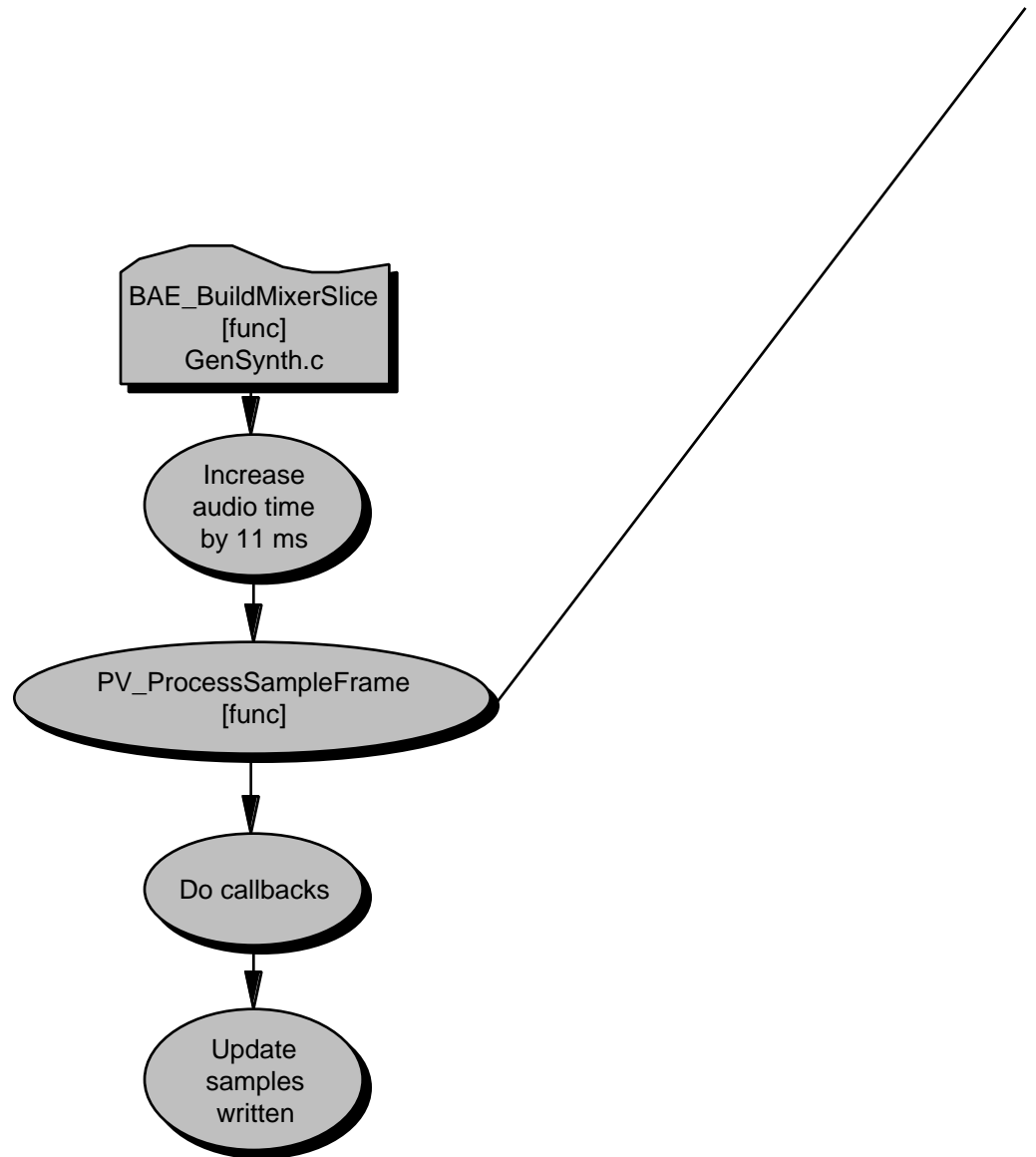
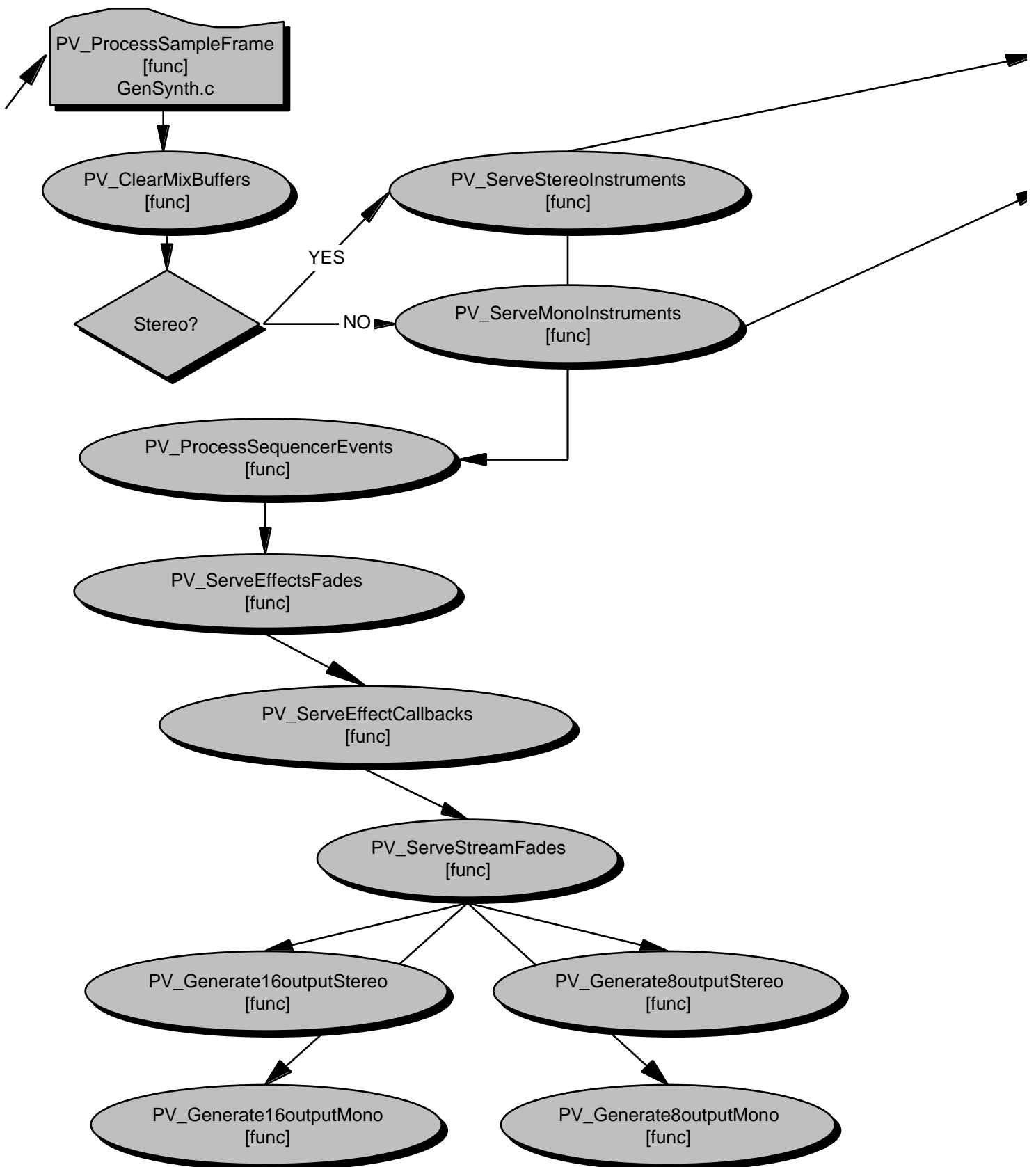
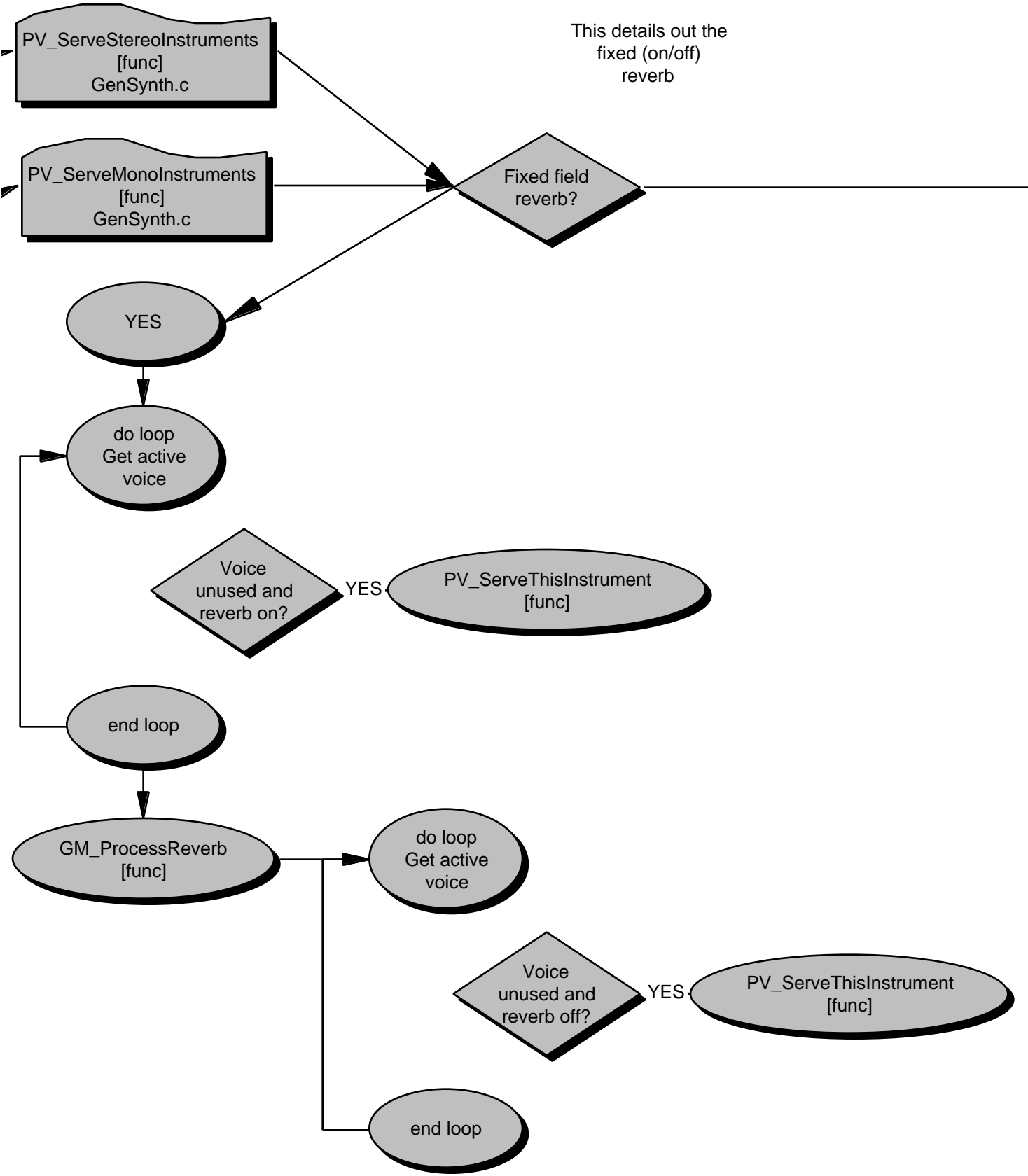


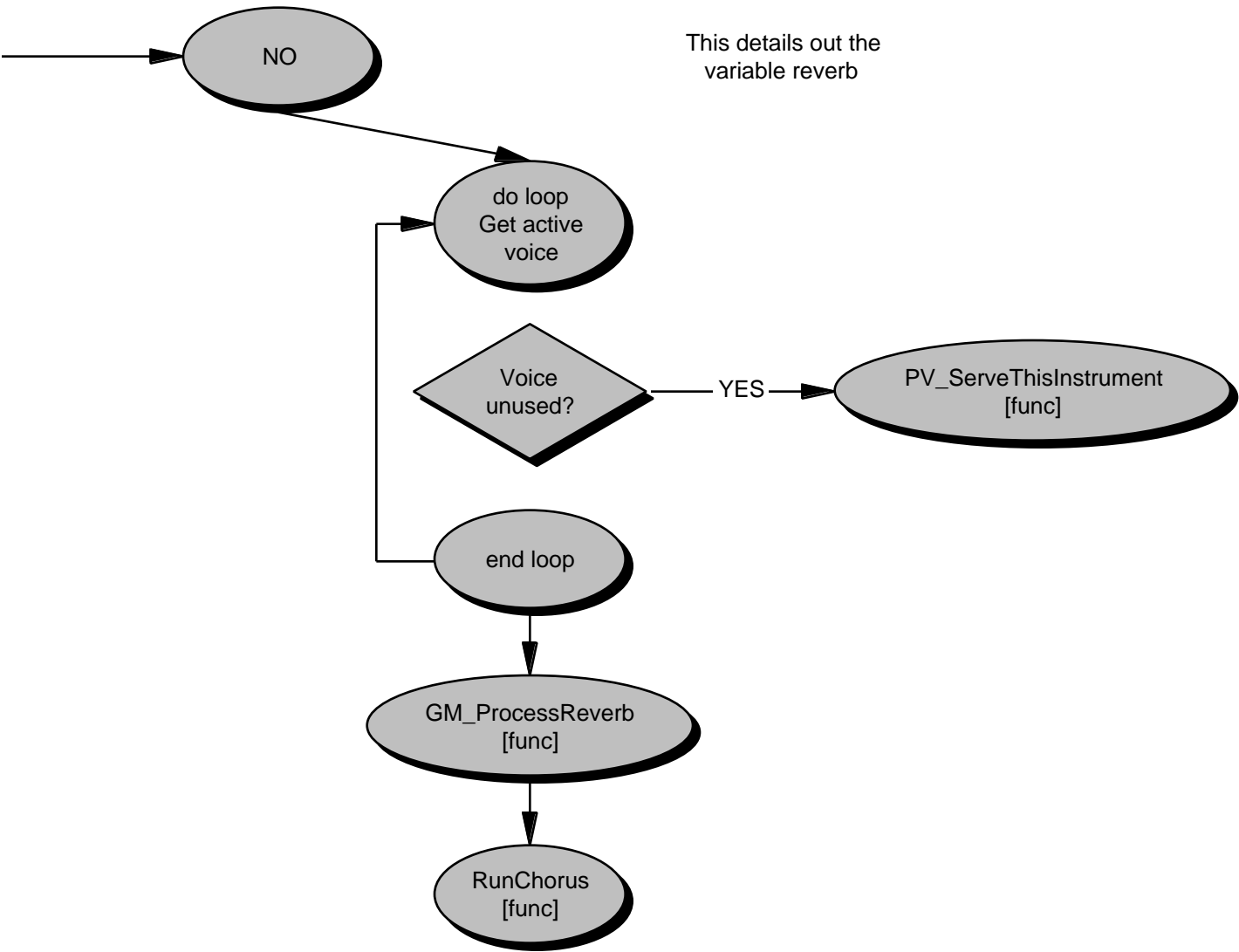
## Beatnik Audio Engine

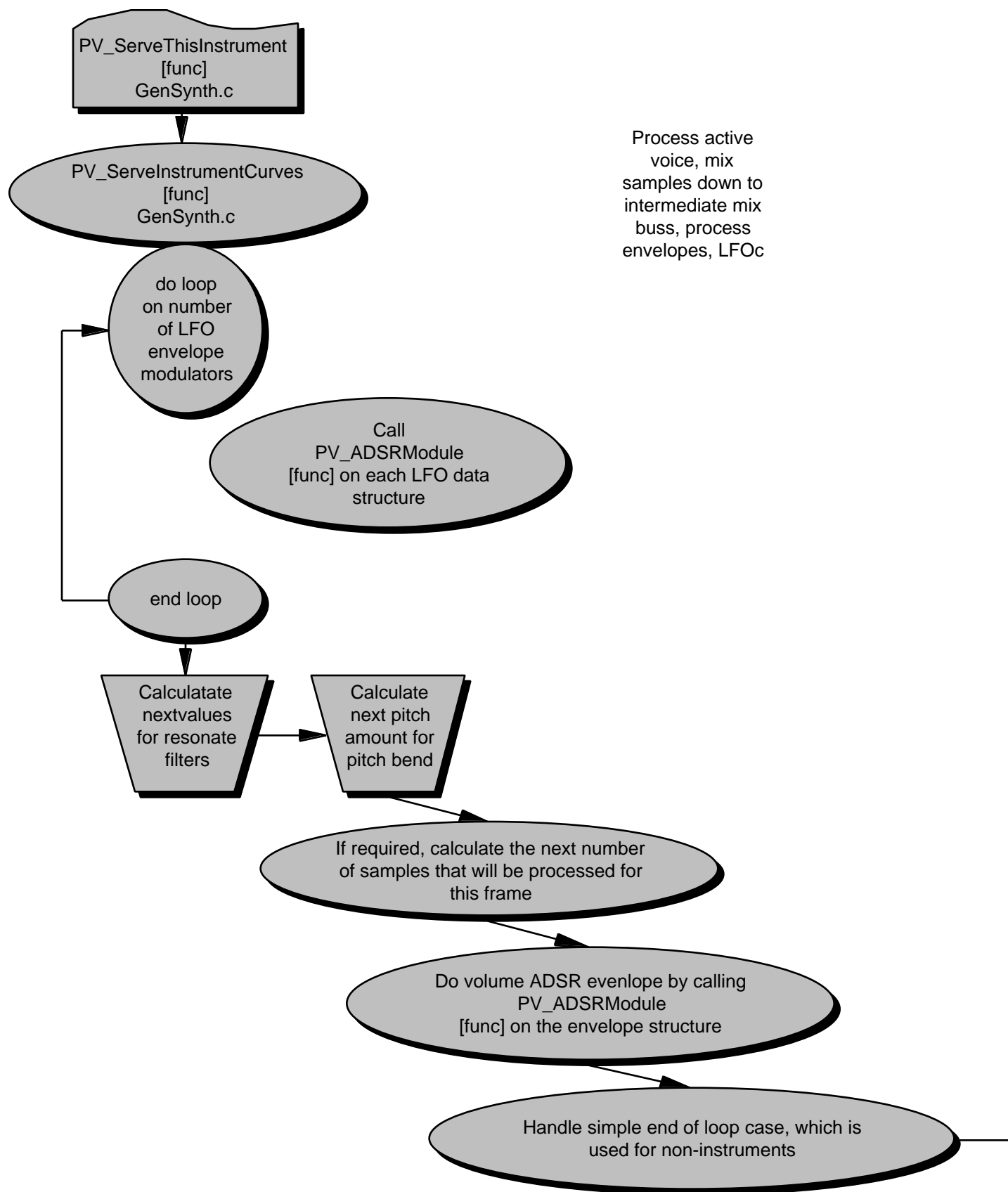
Detail function level starting at  
BAE\_BuildMixerSlice

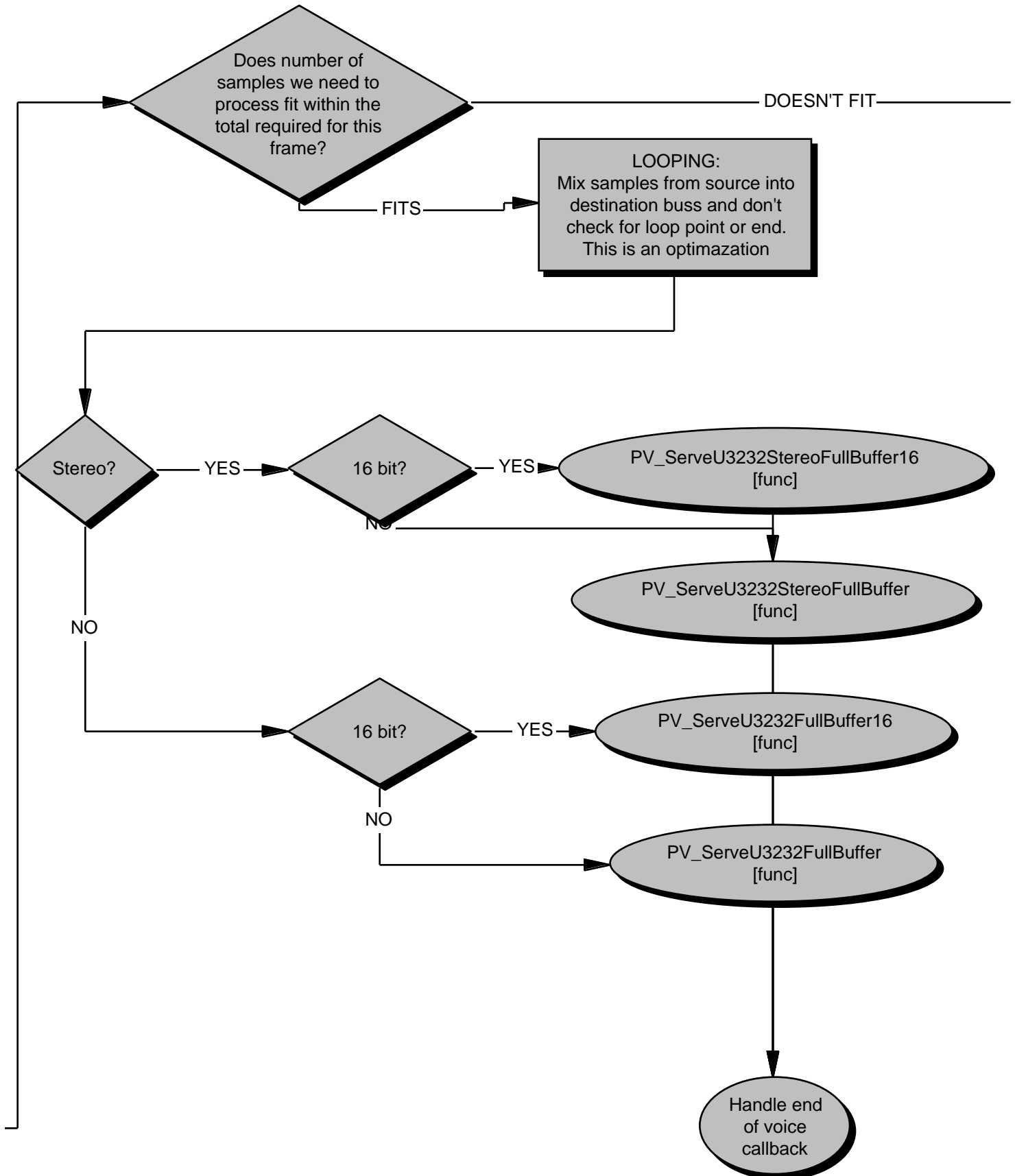


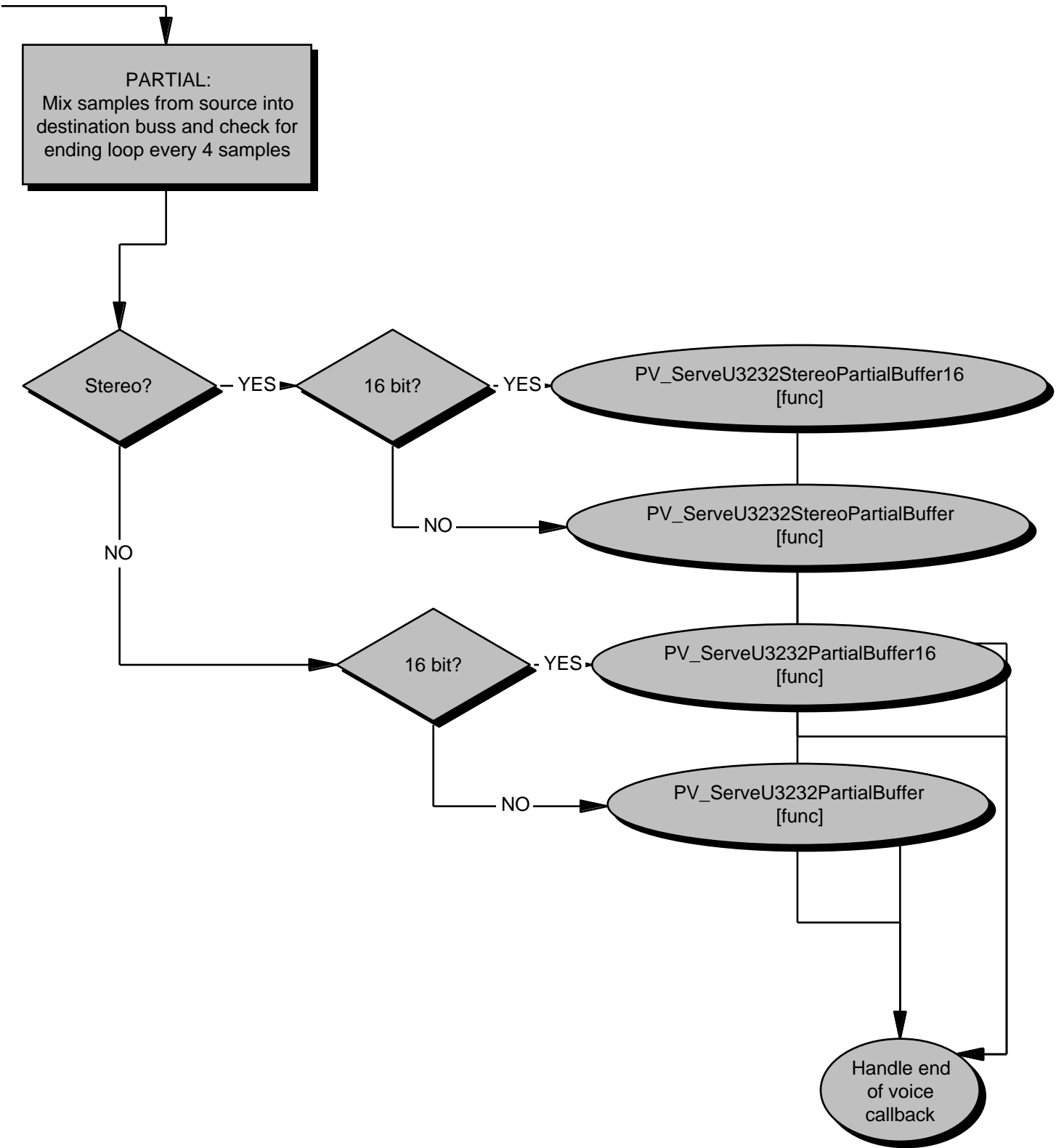












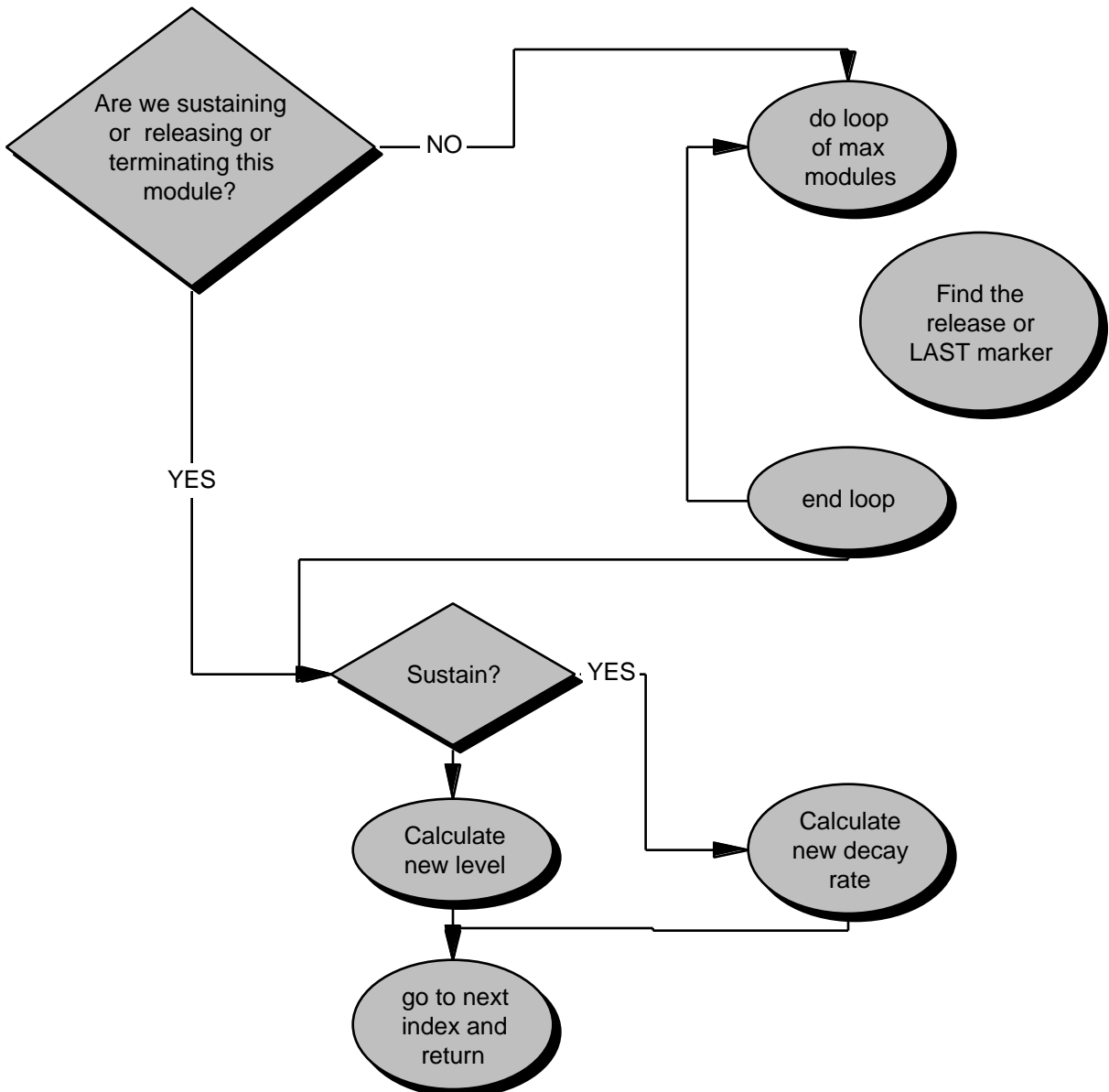
This implements an 8 point envelope with 3 special commands: SUSTAIN, RELEASE, and TERMINATE.

The level point is interpolated between each level point of the envelope.

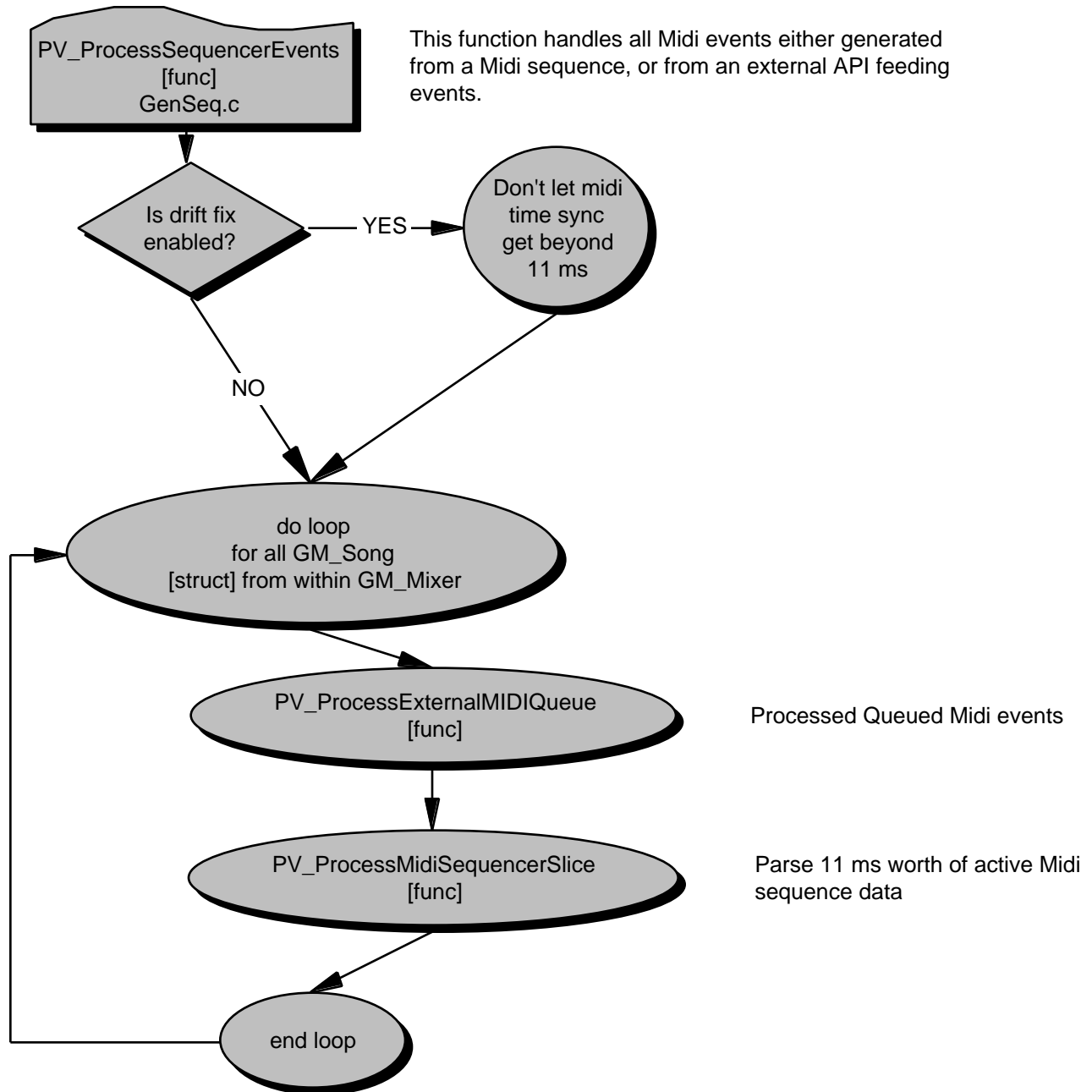
If a SUSTAIN type is encountered then the state machine loops until it is told to stop, then it jumps to the RELEASE level and continues from there.

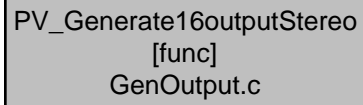
Each time the function is called, an index is incremented and a new level is calculated.

PV\_AD SRModule  
[func]  
GenSynth.c

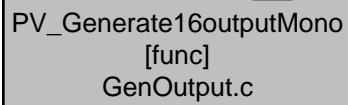




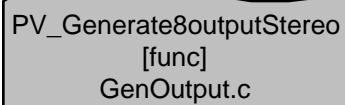




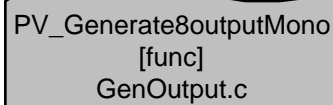
```
PV_Generate16outputStereo  
[func]  
GenOutput.c
```



```
PV_Generate16outputMono  
[func]  
GenOutput.c
```



```
PV_Generate8outputStereo  
[func]  
GenOutput.c
```



```
PV_Generate8outputMono  
[func]  
GenOutput.c
```

These 4 functions basically do the same thing.

They convert from BAE's internal 32 bit mix buss and downsample and down bit size to the final output type required for a particular sound card

This is one inner loop case.

Specificly output stereo 16 with end loop checking

This example only shows the mono

