

## QuickTime 2.5a8 Changes for accelerated video support

©1996 Apple Computer, Inc. Apple Confidential.

QuickTime 2.5a8 contains changes that may affect developers of transfer codecs designed to take advantage of 2.5's support for accelerated video. This document describes changes for 2.5a8 only. It does not attempt to describe all the issues involving accelerated video support.

Two new fields have been added to the `CodecDecompressParams` structure. They are:

```
long  screenFloodMethod;  
long  screenFloodValue;
```

`screenFloodMethod` is one of:

```
kNoScreenFloodMethod      = 0,  
kKeyColorScreenFloodMethod = 1,  
kAlphaScreenFloodMethod   = 2
```

`kNoScreenFloodMethod` is the default, and indicates normal operation (i.e., do nothing special).

`kKeyColorScreenFloodMethod` indicates that `screenFloodValue` contains the index of the color that should be used to flood the image area on screen when an refresh occurs. This is valid for both indexed and direct screen devices (e.g., for 16 bpp devices, it should contain the 5-5-5 RGB value).

`kAlphaScreenFloodMethod` is used to indicate that the alpha channel should be flooded with the value in `screenFloodValue`.

Codec developers should be sure to use this method rather than attempting to flood the key-color themselves. This method is much more reliable. Further, developers that use this method can be assured that it will continue to be supported by future changes in QuickTime.