

TGnIData structure

```
#include <PrintTraps.h>
```

```
typedef struct TGnIData {
    short      iOpCode;      Size Offset Description
                                2     0     One of 5 possible subsidiary data
                                2     2     blocks
                                2     2     0=noErr; 1=noSuchRsl;
                                2     2     2=opNotImpl
    long      IReserved;    4     4     (not used )
    variable length data depending on routine selected by opcode specified in the first
    field
} TGnIData;                  8+n
```

Notes: **TGnIData** defines a record used in **PrGeneral** calls. The fields of this structure are set according to the type of printer being used and the style and resolution of the output.

The first field specifies an opcode that serves as a routine selector for subsidiary data blocks and can be:

```
iOpCode (4)  GetRsl (TGetRslBlk)
iOpCode (5)  SetRsl (TSetRslBlk)
iOpCode (6)  DraftBits (TDftBitsBlk)
iOpCode (7)  NoDraftBits (TDftBitsBlk)
iOpCode (8)  GetRotn (TGetRotnBlk)
```

When either opcode 4 or opcode 5 occupies the first field of the **TGnIData** record you are letting the application know what resolutions the printer supports -- and then specifying the desired resolution. Opcodes 6 and 7 tell you whether or not you can print bitmaps in draft mode on the ImageWriter. Opcode 8 informs the application that the page has been rotated to print sideways.

The **iError** field only returns the result produced by the print code and only reflects conditions that occur during a **PrGeneral** call.

```
It will be one of:
noErr (0)      No error
noSuchRsl (1)  Specified resolution not available
opNotImpl (2)  Printer driver doesn't support this opcode
```

After the four-byte reserved field, the rest of the data block will be filled in with one or another of the subsidiary data blocks specified by the opcode listed in the first field (**iOpCode**).