

# TFindTag1

## TFindTag - get a tag from the tag list in memory

### Synopsis

```
Boolean TFindTag(listHandle, offsetPtr, tagNo)
Handle listHandle;
Int32 *offsetPtr;
Int16 tagNo;

void TGetTag(listHandle, offset, valuePtr, valueSize)
Handle listHandle;
Int32 offset;
Ptr valuePtr;
Int32 valueSize;
```

### Description

*TFindTag* and *TGetTag* are used to get a tag and its value from the tag list in memory. Given the handle to the tag list, *listHandle*, and the tag number, *tagNo*, *TFindTag* tries to find the tag specified by *tagNo*. If the tag is found, *TFindTag* places the offset of the tag in the list at the address specified by *offsetPtr*. If not found, the offset of the location where this tag type should be inserted is returned at the address specified by *offsetPtr*. In the case of writing a TIFF file, one might do something like:

```
if (!TFindTag(listHandle, &offset, tagNo))
    error = TPutPtrTag(listHandle, tagNo, tagType, nVals, valuePtr)
```

Upon finding the tag, *TGetTag* may be called to retrieve that tag's value. *TGetTag* takes the handle to the tag list, *listHandle*, and the offset of the tag in the memory list found with *TFindTag*, and returns the value of the tag at the address specified by *value* up to the number of bytes specified by *valueSize* or the length of the item, whichever is shorter.

Here is a sample of how to use TGetTag:

```
Int32 offset;

if (TFindTag(listHandle, &offset, tagNo))
    TGetTag(listHandle, offset, valuePtr, valueSize)
```

### Return Value

*TFindTag* returns TRUE if the tag is found and FALSE otherwise.  
*TGetTag* has no return value .

### Warning

If the offset passed to TGetTag is an incorrect offset and does not reference a tag in the tag list, arbitrary data may be returned at the address specified by valuePtr.

### See Also

TPutPtrTag , TPutHdlTag