NAME

peiCof - perform operations on **COF** file sets

SYNOPSIS

peiCof [*options*] [*dir1 dir2* **...**]

DESCRIPTION

peiCof examines the **COF** file sets in the named directories, verifies their compliance with the **COF** specification, and optionally performs image extraction and other operations. If no directory is named, the current directory is used.

Default behavior is to examine each file set in detail, print progress reports, and generate error messages whenever compliance violations are detected, but to abort the examination of any file set for which the error count exceeds 200. The last line of the report for each file set contains the word **PASS** if the file set is in compliance, and **FAIL** otherwise.

The program attempts to interpret file sets even in the presence of significant violations and to provide error messages that assist in fixing problems in **COF** generation software.

Currently, **peiCof** does not check the .DBF and .NDX files.

OPTIONS

In case of conflicting options, those that appear later on the command line have precedence.

COF Version Option

peiCof can check for compliance with version 1.1, 1.2, or 1.3 of the **COF** specification. The target version can be set explicitly using the **−version** option; otherwise, the default behavior is to use the version that is given as the value of the keyword **COFVersion** in section **[General]** in the file **HEADER.TXT** of each file set, if that keyword is found and is valid. Otherwise, the latest version (currently 1.3) is used.

−version *vers* check against version *vers,* which may be **1.1, 1.2,** or **1.3.**

Reporting Options

Normally, **peiCof** prints progress reports and error messages on the standard output. This behavior can be modified with the following options:

−quiet suppress progress reports and error messages

−boolean reduce the output to a single line of text that is "0" if every COF file set is in compliance, and "1" otherwise; this allows the output of **peiCof** to be used in a boolean expression. **−boolean** implies **−quiet.**

−dump also print a tabulation of the COF data structures that were successfully parsed.

Image Extraction Options

These options allow images embedded in the **COF** images files (.IMG files) in the first named directory to be extracted, producing a set of TIFF and/or IOCA files in a specified output directory. For purposes of image extraction, an image is referred to by its suite number, *suite,* which need not have leading zeros, its item number, *item,* and its view number, *view,* where item numbers are counted starting at the beginning of the .IMG file with 1, and view numbers are counted within each item starting with 1. Alternatively, the word **all** can appear when specifying the suite, item, and/or view number, in which case all qualified images are extracted. Extracted images have names of the form

COF*suite***.***item***.***view***.***suffix***,**

where *suffix* is either **tif** or **ioc.**

−extract *suite item view dir* extract the specified image(s) and deposit the resulting TIFF and/or IOCA file(s) in the specified directory; *suite, item,* and *view* are numbers greater than zero or the word **all.**

−extall *dir* shorthand for **−extract all all all** *dir*

Other Options

−max *count* set the maximum number of compliance violations tolerated in each file set before aborting the file set (default: 200).

−max none continue processing regardless of a file set's error count.

−help print software version information and a summary of this manual page, and do nothing else.

REFERENCES

This program and other **COF** resources are available from Picture Elements, Inc., by anonymous FTP at **ftp.picturel.com/pub/cof.** That directory holds several versions of the **COF** specification in files with names of the form **cof***XX***.pdf,** where *XX* is the version number, and this manual page is available in the file **coftest/peiCof/peiCof.pdf.** The program itself is written in ANSI C and is available as source code in the file **coftest/peiCof/peiCof-***X.XXX***.tar.gz,** where *X.XXX* is the program version number. Bug reports and suggestions are invited and should be sent to **rick@picturel.com.**