Licensing information guide

For Cisco TelePresence products using TC software
What’s in this guide?

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We recommend you visit our web site regularly for updated versions of the user documentation. Go to: http://www.cisco.com/go/telepresence/docs

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Your Cisco TelePresence System has been designed to give you many years of safe, reliable operation. This part of the documentation is aimed at administrators working with the setup of the system. Our main objective with this Administrator Guide is to address your goals and needs. Please let us know how well we succeeded!

May we recommend that you visit the Cisco web site regularly for updated versions of this guide.

About this guide

The purpose of this document is to describe the legal and license information for products running the TC4.2 software.

The products covered by this guide:

Quick Set Series:
- Cisco TelePresence Quick Set C20

MX Series:
- Cisco TelePresence MX200

EX Series:
- Cisco TelePresence EX60
- Cisco TelePresence EX90

Codec C Series:
- Cisco TelePresence Codec C40
- Cisco TelePresence Codec C60
- Cisco TelePresence Codec C90

Profile Series:
- Cisco TelePresence Profile using C90
- Cisco TelePresence Profile using C40
- Cisco TelePresence Profile using C20

User documentation

The user documentation for the Cisco TelePresence systems, running the TC software, have several guides suitable to various user groups.

- Video conference room primer
- Video conference room acoustics guidelines
- Installation guides for the TelePresence systems
- Software release notes for the TC software
- Getting started guide for the TelePresence systems
- User guide for the TelePresence systems (Touch controller)
- User guide for the TelePresence systems (Remote Control)
- Quick reference guides for the TelePresence systems
- Administrator guides for the TelePresence systems
- Camera user guide for the PrecisionHD cameras
- API reference guides for the Codec C Series
- TC Console user guide for the Codec C Series
- Physical interfaces guides for the Codec C Series
- Regulatory compliance and safety information guides
- Legal & license information for products using TC software

Download the user documentation

Go to: [http://www.cisco.com/go/telepresence/docs](http://www.cisco.com/go/telepresence/docs)
- in the right pane, select:
  - TelePresence Multipurpose Endpoints for the Profile Series.
  - TelePresence Peripherals for the PrecisionHD cameras, microphones, Touch unit, and remote controls.
  - TelePresence Personal Endpoints for the EX Series.
  - TelePresence Solutions Platform for the Codec C Series and Quick Set C20.

Software download

Chapter 1

Supported RFCs
Supported RFCs

The RFC (Request for Comments) series contains technical and organizational documents about the Internet, including the technical specifications and policy documents produced by the Internet Engineering Task Force (IETF).

Current RFCs and drafts supported

- RFC 1889 RTP: A Transport Protocol for Real-time Applications
- RFC 2190 RTP Payload Format for H.263 Video Streams
- RFC 2327 SDP: Session Description Protocol
- RFC 2396 Uniform Resource Identifiers (URI): Generic Syntax
- RFC 2460 Internet protocol, version 6 (IPv6) specification
- RFC 2617 Digest Authentication
- RFC 2782 DNS RR for specifying the location of services (DNS SRV)
- RFC 2782 H.323 Annex 0
- RFC 2833 RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals
- RFC 2976 The SIP INFO Method
- RFC 3016 RTP Payload Format for MPEG-4 Audio/Visual Streams
- RFC 3047 RTP Payload Format for ITU-T Recommendation G.722.1
- RFC 3261 SIP: Session Initiation Protocol
- RFC 3262 Reliability of Provisional Responses in SIP
- RFC 3263 Locating SIP Servers
- RFC 3264 An Offer/Answer Model with SDP
- RFC 3311 UPDATE method
- RFC 3361 DHCP Option for SIP Servers
- RFC 3420 Internet Media Type message/sipfrag
- RFC 3515 Refer method
- RFC 3550 RTP: A Transport Protocol for Real-Time Applications
- RFC 3581 Symmetric Response Routing
- RFC 3605 RTCP attribute in SDP
- RFC 3711 The Secure Real-time Transport Protocol (SRTP)
- RFC 3840 Indicating User Agent Capabilities in SIP
- RFC 3890 A Transport Independent Bandwidth Modifier for SDP
- RFC 3891 The SIP "Replaces" Header
- RFC 3892 Referred-By Mechanism
- RFC 3960 Early Media

Media capabilities supported in SIP

The audio and video media capabilities supported in SIP are the same as for H.323.
Chapter 2

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Copyright and licenses

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DOCUMENTATION ROADMAP
This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
**OVERVIEW**

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced “jay-peg”) is a standardized compression method for full-color and grayscale images. JPEG is intended for compressing “real-world” scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren’t implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications “cjpegs” and “djpegs”, which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included “jpegtain”, a utility for lossless transcoding between different JPEG processes, and “rdjpgcom” and “wrjpgcom”, two simple applications for inserting and extracting textual comments in JIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

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The Unix configuration script “configure” was produced with GNU autoconf. It is copyright by the Free Software Foundation but
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is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, lconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The UG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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**REFERENCES**

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is


(Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. UG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

- Literature Department
- C-Cube Microsystems, Inc.
- 1778 McCarthy Blvd.
- Milpitas, CA 95035
- phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. UG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7).

Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although UG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff.

**ARCHIVE LOCATIONS**

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/medios/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP). Two "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics, misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news. archives answer sites, including the official news.answers archive at rtfm.mit.edu. ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

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**RELATED SOFTWARE**

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert...
FILE FORMAT WARS

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors “filled in the blanks” on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or “low end” representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for “high end” applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JPEG decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. UJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don’t use a proprietary file format!

TO DO

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, “poor man’s variable quantization”, and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format. As always, speeding things up is of great interest. Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

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The contributing authors would like to thank all those who helped
with testing, bug fixes, and patience. This wouldn’t have been
possible without all of you.

Thanks to Frank J. T. Wojcik for helping with the documentation.

---

Y2K compliance in libpng:
November 15, 2006
Since the PNG Development group is an ad-hoc body, we can't
make an official declaration.

This is your unofficial assurance that libpng from version 0.71 and
upward through 1.2.13 are Y2K compliant. It is my belief that earlier
versions were also Y2K compliant.

Libpng only has three year fields. One is a 2-byte unsigned integer
that will hold years up to 65535. The other two hold the date in text
format, and will hold years up to 9999.

The integer is

"png_uint_16 year" in png_time_struct.

The strings are

"png_charp time_buffer" in png_struct and
"near_time_buffer", which is a local character string in png.c.

There are seven time-related functions:

png.c: png_convert_to/rfc_1123() in png.c (formerly png_convert_to/rfc_1152) in error)
png_convert_from_struct_tm() in pngwrite.c, called in pngwrite.c
png_convert_from_time_t() in pngwrite.c
png_get_ttime() in pngget.c
All handle dates properly in a Y2K environment. The `png_convert_from_time_t()` function calls `gmtime()` to convert from system clock time, which returns (year - 1900), which we properly convert to the full 4-digit year. There is a possibility that applications using libpng are not passing 4-digit years into the `png_convert_to_rfc_1123()` function, or that they are incorrectly passing only a 2-digit year instead of “year - 1900” into the `png_convert_from_struct_tm()` function, but this is not under our control. The libpng documentation has always stated that it works with 4-digit years, and the APIs have been documented as such.

The `tIME` chunk itself is also Y2K compliant. It uses a 2-byte unsigned integer to hold the year, and can hold years as large as 65535.

libpng, upon which libpng depends, is also Y2K compliant. It contains no date-related code.

Glenn Randers-Pehrson
PNG Development Group

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- RFC 1831: RPC
- RFC 1832: XDR: External Data Representation
- RFC 1833: Binding Protocols for ONC RPC Version 2
- RFC 2078: Generic Security Service Application Program Interface, Version 2
- RFC 2203: RPCSEC_GSS Protocol Specification
- RFC 2205: Mechanisms for ONC RPC
- RFC 2206: Security Mechanisms for ONC RPC
- RFC 2207: RPCSEC_GSS Protocol Implementation Notes
- RFC 2208: RPCSEC_GSS Protocol Implementation Notes

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4. [5]Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <kari@owl.HQ.liol.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and isosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
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16. [17]Dennis Ferguson <dennis@mbrill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
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41. [45]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
42. [46]Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
43. [47]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
44. [48]Jack Saspasatas <jack@innovativewirenternet.com> Saved a lot of space on the stuff in the html/pic/ subdirectory
45. [49]Ray Schnitzer <schnitz@unipress.com> Unixware1 port
46. [50]Michael Shields <shields@tembel.org> USNO clock driver
47. [51]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
48. [52]Harlan Stenn <harlan@pfs.com> GNU automake/autconf/override makefile, various other bits (see the ChangeLog)
49. [53]Kenneth Stone <ken@sd.d.com> HP-UX port
50. [54]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
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**pcre-7.9**

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Email domain: cam.ac.uk  
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Summary:

python-2.5.4, python-license

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/) was formed, a non-profit organization created specifically to sponsor Python development. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table summarizes the various releases. See the Table: python-2.5.4, python-license.

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timezone-8.3  
@(#)README 8.3

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“What time is it?” -- Richard Deacon as The King
“Any time you want it to be.” -- Frank Baxter as The Scientist (from the Bell System film “About Time”)

The 1989 update of the time zone package featured
* POSIXization (including interpretation of POSIX-style TZ environment variables, provided by Guy Harris),
* ANSIification (versions of “mktime” and “difftime”),
* SVIDulation (an “altzone” variable)
* MAChination (the “gtmle” function)
* corrections to some time zone data (including corrections to the rules for Great Britain and New Zealand)
* reference data from the United States Naval Observatory for folks who want to do additional time zones
* and the 1989 data for Saudi Arabia.

(Since this code will be treated as “part of the implementation” in some places and as “part of the application” in others, there’s no good way to name functions, such as timegm, that are not part of the proposed ANSI C standard; such functions have kept their old, underscore-free names in this update.)

And the “dysize” function has disappeared; it was present to allow compilation of the “date” command on old BSD systems, and a version of “date” is now provided in the package. The “date” command is not created when you “make all” since it may lack options provided by the version distributed with your operating system, or may not interact with the system in the same way the native version does.

Since POSIX frowns on correct leap second handling, the default behavior of the “zic” command (in the absence of a “-L” option) has been changed to omit leap second information from its output files. Here is a recipe for acquiring, building, installing, and testing the tz distribution on a GNU/Linux or similar host.

```
mkdir tz
```

```
gzip -dc tzcode.tar.gz | tar -xf -
gzip -dc tzdata.tar.gz | tar -xf -
```

Be sure to read the comments in “Makefile” and make any changes needed to make things right for your system, especially if you are using some platform other than GNU/Linux. Then run the following commands, substituting your desired installation directory for “SHOME/tzdir”:

```
make TOPDIR=SHOME/tzdir install

SHOME/tzdir/etc/zdump -v America/Los_Angeles
```

To use the new functions, use a “-ltz” option when compiling or linking.

Historical local time information has been included here to:
* provide a compendium of data about the history of civil time that is useful even if the data are not 100% accurate;
* give an idea of the variety of local time rules that have existed in the past and thus an idea of the variety that may be expected in the future;
* provide a test of the generality of the local time rule description system.

The information in the time zone data files is by no means authoritative; the files currently do not even attempt to cover all time stamps before 1970, and there are undoubtedly errors even for time stamps since 1970. If you know that the rules are different from those in a file, by all means feel free to change file (and please send the changed version to tz@elsie.nci.nih.gov for use in the future). Europeans take note!

Thanks to these Timezone Caballeros who've made major contributions to the time conversion package: Keith Bostic; Bob Devine, Paul Eggert; Robert Elz; Guy Harris; Mark Horton; John Mackin; and Bradley White. Thanks also to Michael Bloom, Art Neilson, Stephen Prince, John Sovereign, and Frank Wales for testing work, and to Gwilym Law for checking local mean time data. None of them are responsible for remaining errors.

Look in the –ftp/pub directory of elsie.ncbi.nih.gov for updated versions of these files.

Please send comments or information to tz@elsie.ncbi.nih.gov.

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ZLib-1.2.5

zlib-1.2.5

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madlier@alumni.caltech.edu

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the “copyright” line and a pointer to where the full notice is found.

<one line to give the library’s name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a “copyright disclaimer” for the

library, if necessary. Here is a sample; alter the names:

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library 'Frob' (a library for tweaking knobs) written by James
Random Hacker.

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!
GNU General public license, version 3

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Version 3, 29 June 2007
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Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software
(and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use
pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights.
Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom
of others.

For example, if you distribute free software that modifies a work, and you accept to distribute it under the terms of version 2 of the GNU General Public License, modify the source code to use a different version 3 of the GNU General Public License, you indicate your intention to do two things:

1. Distribute free software
2. Have the recipients of your program the same freedoms that you have.

Pursuant to section 7 of GPL version 3, the corresponding source code should be distributed together with your program.

For developers and authors’s benefit, the GPL clearly explains that there is no warranty for this free software. For both users and authors sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the
manufacturer can do so. This is fundamentally incompatible with the aim of protecting users’ freedom to change the software.

The systematic pattern of such abuse occurs in the area of
products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the
GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend
this provision to those domains in future versions of the GPL, as
needed to protect the freedom of users.

Finally, every program is threatened constantly by software
patents. States should not allow patents to restrict development
and use of software on general-purpose computers, but in those
that do, we wish to avoid the special danger that patents applied
to a free program could make it effectively proprietary.

To prevent this, the GPL assures that patents cannot be used to render the
program non-free.

The precise terms and conditions for copying, distribution and
modification follow.

TERMS AND CONDITIONS

0. Definitions.

“The License” refers to version 3 of the GNU General Public
License. “Copyright” also means copyright-like laws that apply to
other kinds of works, such as semiconductor masks.

“The Program” refers to any copyrightable work licensed under
this License. Each licensee is addressed as “you”.

“Licensees” and “recipients” may be individuals or organizations.

To “modify” a work means to copy from or adapt all or part of the
work in a fashion requiring copyright permission, other than the
making of an exact copy. The resulting work is called a “modified
version” of the earlier work or a work “based on” the earlier work.

A “covered work” means either the unmodified Program or a work
based on the Program.

To “propagate” a work means to do anything with it that, without
permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it
on a computer or modifying a private copy. Propagation includes
copying, distribution (with or without modification), making
available to the public, and in some countries other activities as
well.

To “convey” a work means any kind of propagation that enables
other parties to make or receive copies. Mere interaction with a
user through a computer network, with no transfer of a copy, is not
conveying.

An interactive user interface displays “Appropriate Legal Notices”
to the extent that it includes a convenient and prominently visible
feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License.

If the interface presents a list of user commands or options, such as
a menu, a prominent item in the list meets this criterion.


The “source code” for a work means the preferred form of the
work for making modifications to it. “Object code” means any
non-source form of a work.

A “Standard Interface” means an interface that either is an official
standard defined by a recognized standards body, or, in the case
of interfaces specified for a particular programming language, one
that is widely used among developers working in that language.

The “System Libraries” of an executable work include anything,
other than the work as a whole, that (a) is included in the normal
form of packaging a Major Component, but which is not part of
that Major Component, and (b) serves only to enable use of the
work with that Major Component, or to implement a Standard
Interface for which an implementation is available to the public in
source code form.

A “Major Component” in a work, means either a Shared Library
or a significant component corresponding to a Single Library.

The Corresponding Source need not include anything that
users can regenerate automatically from other parts of the
work.

The “Corresponding Source” for a work in object code form
means all the source code needed to generate, install, and (for
an executable work) run the object code and to modify the work,
including scripts to control those activities. However, it does not
include the work’s System Libraries, or general-purpose tools or
generally available free programs which are used unmodified in
performing those activities but which are not part of the work.

Some devices are designed to deny users access to install or
run modified versions of the software inside them, although the
manufacturer can do so. This is fundamentally incompatible with
the aim of protecting users’ freedom to change the software.

The systematic pattern of such abuse occurs in the area of
products for individuals to use, which is precisely where it is most
unacceptable. Therefore, we have designed this version of the
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arise substantially in other domains, we stand ready to extend
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patents. States should not allow patents to restrict development
and use of software on general-purpose computers, but in those
that do, we wish to avoid the special danger that patents applied
to a free program could make it effectively proprietary.

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program non-free.

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“Licensees” and “recipients” may be individuals or organizations.

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making of an exact copy. The resulting work is called a “modified
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A “covered work” means either the unmodified Program or a work
based on the Program.

To “propagate” a work means to do anything with it that, without
permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it
on a computer or modifying a private copy. Propagation includes
copying, distribution (with or without modification), making
available to the public, and in some countries other activities as
well.

To “convey” a work means any kind of propagation that enables
other parties to make or receive copies. Mere interaction with a
user through a computer network, with no transfer of a copy, is not
conveying.

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tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License.

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form of packaging a Major Component, but which is not part of
that Major Component, and (b) serves only to enable use of the
work with that Major Component, or to implement a Standard
Interface for which an implementation is available to the public in
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A “Major Component” in a work, means either a Shared Library
or a significant component corresponding to a Single Library.

The Corresponding Source need not include anything that
users can regenerate automatically from other parts of the
work.

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means all the source code needed to generate, install, and (for
an executable work) run the object code and to modify the work,
including scripts to control those activities. However, it does not
include the work’s System Libraries, or general-purpose tools or
generally available free programs which are used unmodified in
performing those activities but which are not part of the work.

For example, Corresponding Source includes interface definition files
associated with source files for the work, and the source code
for shared libraries and dynamically linked subprograms that the
work is specifically designed to require, such as by intimate data
communication or control flow between those subprograms and
other parts of the work.

The Corresponding Source need not include anything that
users can regenerate automatically from other parts of the
Corresponding Source.

The Corresponding Source for a work in source code form is that
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You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it. If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them so do.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that display Appropriate Legal Notices, your work need not make them do so.

## 6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and non-commercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A “User Product” is either (1) a “consumer product”, which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, “normally used” refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the critical, essential and primary purpose of the product.
only significant mode of use of the product.

“Installation Information” for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

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If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients.

Knowingingly relying means you have actual knowledge that, but for the patent license, you conveying the covered work in a country, or your recipient’s use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

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Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License “or any later version” applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation. If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program. Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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