

END USER LICENSE AGREEMENT

IMPORTANT-READ CAREFULLY: This End-User License Agreement for Gemalto software (“EULA”) is a legal and binding agreement between you and the subsidiary or affiliate of Gemalto NV. (“Gemalto”) that distributed this version of the Software (as defined below) under this EULA (“Gemalto”). “You” are a person or legal entity wishing to use the Software. This EULA governs your use of all of the Software distributed or delivered hereunder. “Software” means all computer software, associated media, any printed materials and any accompanying “online” or electronic information provided to you hereunder. By downloading, installing, copying, breaking any seal on, or otherwise using the Software, you acknowledge that you have read this EULA and agree to be bound by its terms. If you do not agree to the terms and provisions of this EULA, do not download, install, copy, or otherwise use the Software; if you have already broken the seal or paid for this Software and do not agree to the terms and conditions of the EULA, please return the Software and any accompanying items to Gemalto within thirty (30) days of the date of purchase for a full refund of amounts paid. If these terms are considered an offer, acceptance is expressly limited to these terms.

1. **Ownership.** The Software is owned by Gemalto or its third party suppliers and is licensed (and not sold) to you. Gemalto’s third party suppliers or distributors may assert and protect any of their rights (and with Gemalto’s permission, Gemalto’s rights) in connection with this EULA.

2. **Grant of License.** Subject to the terms of this EULA, Gemalto grants you the world-wide, non-exclusive, non-sublicensable, non-transferable (except as set forth in this EULA), license to use one copy of the Software, in object code format, solely for your internal use.

2.1 You must reproduce on any copy all copyright notices and any other ownership, confidentiality or proprietary legends that are on the original copy of the Software and accompanying documentation, and you may make only one copy of the Software solely for backup or archival purposes, provided that such backup copy is not installed on any computer.

2.2 You may not reverse-engineer, decompile, or disassemble the Software, or otherwise reduce the code of the Software to a human perceivable form, except and only to the extent that the restriction of such activity is prohibited by applicable law, and in such event you shall provide Gemalto prompt notification of such activities. You may not alter or remove any of Gemalto’s trademarks affixed to or otherwise contained on or within the Software.

2.3 You may not market, distribute, transfer copies of the Software to others or electronically transfer the Software from one computer to another over a network except for Software installations permitted under Section 2 of this EULA. You may not rent, lease, or lend the Software. You may not modify, adapt or translate the Software or create derivative works based on the Software.

2.4 All rights not expressly granted to you in this EULA are reserved by Gemalto and its suppliers. No rights are granted by implication or otherwise.

3. **Termination.** This EULA may be terminated by Gemalto upon notice and without further action upon the breach of any of your obligations or the license rights granted to you under this EULA. Upon termination, all use of the Software by you must cease and all rights granted to you under this EULA are terminated. Upon termination you hereby agree to return to Gemalto or to destroy all copies of the Software in your possession or control within fourteen (14) days of such termination and certify the same in an affidavit to Gemalto upon request. This remedy is in addition to any other remedies available to Gemalto. Provisions contained in this EULA that expressly or by their sense and context are intended to survive the expiration or termination of this Agreement shall so survive the expiration or termination including without limitation Sections 1, 3, 4, and 7 through 10 hereof.

4. **Proprietary Rights.** All rights, title, and proprietary rights in and to the Software (including, but not limited to, any patents, trade secrets, trademarks, copyrights, images, photographs, animations, video, audio, music, text, software code and “applets” incorporated into the Software) are owned by Gemalto or its suppliers. The Software is protected by copyright laws, international treaty provisions, and other laws. An act in violation of this EULA may also be a crime punishable by fine or imprisonment under applicable law. You understand that Gemalto may update or revise the Software in its sole discretion, but has no obligation to furnish any Software updates or revisions to you. If you upgrade the Software to a higher-numbered or later version of the Software (e.g., from Program 3.x to Program 4.x) or to a comparable Gemalto software product including versions for different operating systems (“Replacement Software”), unless otherwise indicated in any end user license agreement accompanying such Replacement

Software, this EULA is terminated to the extent it covers the replaced software and your rights in the Replacement Software will be governed by the end user license terms applicable to that Replacement Software. If any Replacement Software, or other Software of Gemalto, is distributed to you without a separate end user license agreement, this EULA shall govern all your rights and obligations therein.

5. Compliance with Laws. In the performance of the obligations under this Agreement, you shall at all times comply with the laws, regulations, and orders in effect and applicable to their performance hereunder. Without limiting the generality of the preceding sentence, you shall comply with applicable U.S. Foreign Corrupt Practices Act provisions (regarding, among other things, payments to government officials) and all applicable U.S. export laws and restrictions and regulations of the U.S. Department of Commerce, the Department of Treasury Office of Foreign Assets Control ("OFAC"), or other U.S. or non-U.S. agency or authority, and not export, or allow the export or re-export of any Gemalto product (or any product incorporating such Gemalto product) in violation of any such restrictions, laws or regulations. You shall obtain and bear all expenses relating to any necessary licenses and/or exemptions with respect to the export from the U.S. of all Gemalto products to any location and shall demonstrate to Gemalto compliance with all applicable laws and regulations prior to delivery thereof by Gemalto.

6. U.S. Government Restricted Rights. If a user of the Software is an agency, department, or other entity of the United States government (the "Government"), the use, duplication, reproduction, release, modification, disclosure, or transfer of such Software, or of any related documentation of any kind, including technical data, is restricted in accordance with Federal Acquisition Regulation ("FAR") 12.212, Defense Federal Acquisition Regulation Supplement ("DFARS") 227.7202, subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 or subparagraphs (c)(1) and (2) of the Commercial Computer Software-Restricted Rights at 48 CFR 52.227-19, as applicable. The Software is commercial computer software and commercial computer software documentation. The use of this Software by the Government is further restricted in accordance with the terms of this EULA.

7. Limited Warranty, Disclaimer of Implied Warranties & Duties, Limited Warranty Remedy.

7.1 Disclaimer of Implied Warranties and Duties. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW AND EXCEPT AS SET FORTH IN SECTION 7.2, GEMALTO, ITS SUPPLIERS, AND DISTRIBUTORS PROVIDE THE SOFTWARE AND ANY (IF ANY) SUPPORT SERVICES RELATED TO THE SOFTWARE ("SUPPORT SERVICES") WITHOUT ANY EXPRESS WARRANTY OR INDEMNITY, AND THE SOFTWARE AND SUPPORT SERVICES ARE PROVIDED "AS IS" AND "WITH ALL FAULTS". GEMALTO HEREBY DISCLAIMS ALL IMPLIED INDEMNITIES AND WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY (IF ANY) IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, TITLE, OR THAT THE OPERATION OF THE SOFTWARE WILL BE ACCURATE, VIRUS-FREE, OR WILL CORRESPOND TO ANY DOCUMENTATION. SOME JURISDICTIONS DO NOT ALLOW EXCLUSIONS OF AN IMPLIED WARRANTY, SO THE ABOVE EXCLUSION MAY NOT FULLY APPLY TO YOU, AND YOU MAY HAVE OTHER RIGHTS THAT VARY BETWEEN JURISDICTIONS.

7.2 Limited Warranty Remedy. Gemalto warrants for a period of 90 days from the date of purchase that the medium on which the Software is provided will be free from defects in material and workmanship. This limited warranty covers only such defects. This limited warranty does not cover any other defects or problems of any kind. Gemalto's sole obligation, and your exclusive remedy, under the limited warranty set forth in this Section 7.2 shall be, at the sole discretion of Gemalto, to supply you with a corrected or replacement copy of the Software or a refund of all amounts received by Gemalto from you for the subject Software provided under this EULA. Any replacement Software will be warranted as set forth above for the remainder of the original warranty period or thirty (30) days from your receipt of such replacement Software, whichever is longer. This warranty gives you specific legal rights, and you may have other rights that vary between jurisdictions.

7.3 Gemalto does not warrant that the Software will be resistant to all possible efforts to defeat or disable its functions, including its security mechanisms, and Gemalto shall not incur, and disclaims, any liability in this respect. Security mechanisms' resistance and strength necessarily evolve according to the applicable state of the art in security and with reference to the emergence of new technologies and methods developed in efforts to defeat or disable such mechanisms. To the maximum extent permissible by law, Gemalto shall not be held liable for any third party actions and in particular in case of any successful effort to defeat or disable security functions of the Software, or computing devices and equipment using, accessing or incorporating the Software.

7.4 NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY GEMALTO, ITS DEALERS, DISTRIBUTORS, AGENTS OR EMPLOYEES CREATES A WARRANTY AND YOU MAY NOT RELY ON ANY SUCH INFORMATION OR ADVICE.

8. Exclusion of Incidental, Consequential and Certain Other Damages. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL GEMALTO OR ITS SUPPLIERS OR DISTRIBUTORS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFITS, REVENUES OR CONFIDENTIAL OR OTHER INFORMATION, FOR BUSINESS INTERRUPTION, OR LOSS OF PRIVACY), ARISING OUT OF OR IN ANY WAY RELATED TO THE USE OF OR INABILITY TO USE THE SOFTWARE PRODUCT OR OTHERWISE UNDER OR IN CONNECTION WITH ANY PROVISION OF THIS EULA, IN TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, BREACH OF CONTRACT OR UNDER ANY OTHER LEGAL THEORY, AND EVEN IF GEMALTO OR ANY SUPPLIER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

9. Limitation of Liability and Remedies. Notwithstanding any damages that you might incur for any reason whatsoever (including, without limitation, all damages referenced above and all direct or general damages), the entire liability of Gemalto and any of its suppliers under this EULA and your exclusive remedy for all of the foregoing is limited to the greater of the amount actually paid by you for the Software or U.S. \$50.00. The foregoing limitations, exclusions and disclaimers shall apply to the maximum extent permitted by applicable law, even if such remedy fails its essential purpose. You hereby waive and forever release Gemalto from any and all claims in excess of that amount.

10. General Provisions. This EULA contains the entire agreement between the parties with respect to its subject matter, and supersedes all prior or contemporaneous agreements or understandings (oral or written). This EULA is governed by and shall be interpreted in accordance with the laws of the jurisdiction or location ("Location") of the offices of the Gemalto entity distributing the Software to you or as indicated in the documentation accompanying the Software, without giving effect to any applicable choice of law principles. Any and all disputes, claims or legal proceedings arising hereunder shall be subject to the nonexclusive jurisdiction of the competent courts of the Location. This EULA is not governed by the United Nations Convention on Contracts for the International Sales of Goods, the application of which is expressly excluded. This EULA may not be modified except by a written addendum issued by a duly authorized representative of Gemalto. No provision of this EULA can be waived unless such waiver is in writing and signed by a duly authorized representative of Gemalto. Unless you notify Gemalto that you prefer not to be listed as a customer, which you may do by emailing us at hotline@Gemalto.com, Gemalto may list you as a customer and describe in general terms the services provided by Gemalto under this EULA in proposals and other marketing materials and Gemalto may use your logos and trademarks in support thereof. If any part of this EULA is found to be unenforceable or void, the remainder that part shall be limited or eliminated to the minimum extent necessary so that the remainder of this EULA shall otherwise stay valid and enforceable.

If you have any questions about this EULA, please immediately contact Gemalto at www.Gemalto.com.

This product contains code from pcsc-lite <http://pcsclite.alioth.debian.org/>

Copyright (c) 1999-2003 David Corcoran <corcoran@linuxnet.com> All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

- documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

Changes to this license can be made only by the copyright author with explicit written consent.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product contains code from OpenSC
<http://www.opensc-project.org/>

The files from OpenSC are:

```
./src/libopencsc/asn1.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/asn1.h
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/card.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/cards.h
    Copyright (C) 2005 Antti Tapaninen <aet@cc.hut.fi>
./src/libopencsc/dir.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/errors.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/errors.h
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/internal.h
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/log.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
    Copyright (C) 2003 Antti Tapaninen <aet@cc.hut.fi>
./src/libopencsc/log.h
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
    Copyright (C) 2003 Antti Tapaninen <aet@cc.hut.fi>
./src/libopencsc/opencsc.h
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/padding.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
    Copyright (C) 2003 Nils Larsch <larsch@trustcenter.de>
./src/libopencsc/pkcs15.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/pkcs15.h
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/pkcs15-algo.c
    Copyright (C) 2001, 2002 Olaf Kirch <okir@lst.de>
./src/libopencsc/pkcs15-cache.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/pkcs15-cert.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/pkcs15-data.c
    Copyright (C) 2002 Danny De Cock <daniel.decock@postbox.be>
./src/libopencsc/pkcs15-pin.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/pkcs15-prkey.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/pkcs15-pubkey.c
    Copyright (C) 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/pkcs15-syn.c
    Copyright (C) 2003 Olaf Kirch <okir@suse.de>
./src/libopencsc/pkcs15-wrap.c
    Copyright (C) 2002 Olaf Kirch <okir@lst.de>
./src/libopencsc/sc.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/sec.c
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/types.h
    Copyright (C) 2001, 2002 Juha Yrjölä <juha.yrjola@iki.fi>
./src/libopencsc/ui.h
    Copyright (C) 2003 Olaf Kirch <okir@lse.de>
./src/scconf/scconf.c
    Copyright (C) 2002 Antti Tapaninen <aet@cc.hut.fi>
./src/scconf/scconf.h
    Copyright (C) 2002 Antti Tapaninen <aet@cc.hut.fi>
```

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone

else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a

table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code,

even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. 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 Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

OpenJPEG LICENSE

Copyright (c) 2002-2007, Communications and Remote Sensing Laboratory,
Universite catholique de Louvain (UCL), Belgium
Copyright (c) 2002-2007, Professor Benoit Macq
Copyright (c) 2001-2003, David Janssens
Copyright (c) 2002-2003, Yannick Verschueren
Copyright (c) 2003-2007, Francois-Olivier Devaux and Antonin Descampe

Copyright (c) 2005, Herve Drolon, FreeImage Team
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS 'AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The OpenSSL toolkit stays under a double license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts.

OpenSSL License

```
/* =====
 * Copyright (c) 1998-2017 The OpenSSL Project. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 *
 * 3. All advertising materials mentioning features or use of this
 * software must display the following acknowledgment:
 * "This product includes software developed by the OpenSSL Project
 * for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
 *
 * 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
 * endorse or promote products derived from this software without
 * prior written permission. For written permission, please contact
 * openssl-core@openssl.org.
```

```

*
* 5. Products derived from this software may not be called "OpenSSL"
*    nor may "OpenSSL" appear in their names without prior written
*    permission of the OpenSSL Project.
*
* 6. Redistributions of any form whatsoever must retain the following
*    acknowledgment:
*    "This product includes software developed by the OpenSSL Project
*    for use in the OpenSSL Toolkit (http://www.openssl.org/)"
*
* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
* PURPOSE ARE DISCLAIMED.  IN NO EVENT SHALL THE OpenSSL PROJECT OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
* OF THE POSSIBILITY OF SUCH DAMAGE.
* =====
*
* This product includes cryptographic software written by Eric Young
* (eay@cryptsoft.com).  This product includes software written by Tim
* Hudson (tjh@cryptsoft.com).
*
*/

```

Original SSLeay License

```

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
* All rights reserved.
*
* This package is an SSL implementation written
* by Eric Young (eay@cryptsoft.com).
* The implementation was written so as to conform with Netscapes SSL.
*
* This library is free for commercial and non-commercial use as long as
* the following conditions are aheared to.  The following conditions
* apply to all code found in this distribution, be it the RC4, RSA,
* lhash, DES, etc., code; not just the SSL code.  The SSL documentation
* included with this distribution is covered by the same copyright terms
* except that the holder is Tim Hudson (tjh@cryptsoft.com).
*
* Copyright remains Eric Young's, and as such any Copyright notices in
* the code are not to be removed.
* If this package is used in a product, Eric Young should be given
attribution
* as the author of the parts of the library used.
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the copyright

```

```

*   notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*   notice, this list of conditions and the following disclaimer in the
*   documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
*   must display the following acknowledgement:
*   "This product includes cryptographic software written by
*     Eric Young (eay@cryptsoft.com)"
*   The word 'cryptographic' can be left out if the routines from the
library
*   being used are not cryptographic related :-).
* 4. If you include any Windows specific code (or a derivative thereof) from
*   the apps directory (application code) you must include an
acknowledgement:
*   "This product includes software written by Tim Hudson
(tjh@cryptsoft.com)"
*
* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* The licence and distribution terms for any publically available version or
* derivative of this code cannot be changed. i.e. this code cannot simply
be
* copied and put under another distribution licence
* [including the GNU Public Licence.]
*/

```