

# **AsTeRICS Source Code Licences**

**and summary of utilized third-party projects  
and associated licenses**

## Document Information

Issue Date	12 February 2012
WP Number	WP4 Software
Status	Final document
Dissemination Level	<b>PU</b>  PU Public PP Restricted to other programme participants (including the Commission Services) RE Restricted to a group specified by the consortium (including the Commission Services) CO Confidential, only for members of the consortium (including the Commission Services)

### **AsTeRICS – Assistive Technology Rapid Integration & Construction Set**

Grant Agreement No.247730

ICT-2009.7.2 - Accessible and Assistive ICT

Small or medium-scale focused research project

## Disclaimer

The information in this document is provided as is and no guarantee or warranty is given that the information is fit for any particular purpose. The user thereof uses the information at its sole risk and liability.

The document reflects only the author's views and the Community is not liable for any use that may be made of the information contained therein.

## Table of Contents

Document Information .....	2
Table of Contents .....	3
1 Introduction .....	4
2 Licences of Products by Consortium Members.....	5
2.1 Sensory / Claro Product Licenses .....	5
2.2 Starlab Product Licenses.....	6
2.3 Licenses used in FHTW contributions .....	8
2.4 Licenses used in UPMC contributions .....	8
2.5 Licenses used in KI-I contributions .....	9
2.6 Licenses used in HARPO contributions .....	10
2.7 Licenses used in external / third-party tools.....	10
2.7.1 GestureFollower by IRCAM – Centre Pompidou .....	10
2.7.2 SpeechProcessor.....	10
3 Collection of utilized licenses.....	11
3.1 ENOBIO License Agreement.....	11
3.1.1 Copyright.....	11
3.1.2 Limited Warranty .....	11
3.1.3 Support .....	11
3.2 3Dconnexion Software Developer Kit License Agreement.....	12
3.3 RXTX Library License .....	13
3.4 JEPLite License .....	13
3.5 OpenCV License .....	14
3.6 FaceTracker License.....	14
3.7 LUFA License.....	15
3.8 WiiYourself! License.....	16
3.9 ColorPicker License .....	16
3.10 Avalon-Dock License.....	17
3.11 Ribbon control License .....	17
3.12 Apache Thrift License.....	20
3.13 WPF Property Grid (WPG) License .....	23
3.14 LGPL Version 3 (for ACS and Native ASAPI libraries).....	24
3.15 GPL Version 3 (for ARE and Plugins).....	27

# 1 Introduction

This document gives an overview on licenses of software libraries and software products utilized in the AsTeRICS project. These contain 3<sup>rd</sup> party developments, commercial products of AsTeRICS consortium members and Open Source projects.

The open source code of the AsTeRICS framework will be released under following licenses if not otherwise mentioned:

- **LGPLv3** (see 3.14):
  - The AsTeRICS Configuration Suite
  - The Native ASAPI libraries
- **GPLv3** (see 3.15):
  - The AsTeRICS Runtime Environment (ARE)
  - The ARE-Plugins
  - The BNCI Evaluation Suite

## Warranty and Liability

As addressed in the GPL and LGPL license texts:

"This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details."

## Utilization of proprietary 3<sup>rd</sup> party software

ARE-Plugins which link to proprietary software (e.g. make use of closed source code by 3<sup>rd</sup> party vendors in .dlls), receive permission by the AsTeRICS consortium to include these libraries and source code, according to GNU GPL version 3, section 7:

### Additional permission under GNU GPL version 3 section 7.

If you modify this Program, or any covered work, by linking or combining it with [name of library] (or a modified version of that library), containing parts covered by the terms of [name of library's license], the licensors of this Program grant you additional permission to convey the resulting work."

The following chapters summarize all license types and the associated components, followed by the full license texts.

## 2 Licences of Products by Consortium Members

### 2.1 Sensory / Claro Product Licenses

Modules	Included in release	Release type
OSKA Player, AsTeRICS version	Y	Freeware, but proprietary
OSKA Editor	N	Commercial
OSKA settings editor	N	Commercial

No Source Code of Claro/Sensory products will be released.

The commercial modules will be excluded from public downloads - or can be replaced with trial versions if desired, see homepage of Claro Interfaces: <http://www.clarointerfaces.com/>

**The OSKA Player is a stand-alone software** which can work together with the AsTeRICS ARE. It is only loosely coupled with the AsTeRICS ARE via a TCP socket and will thereby keep it's own proprietary software license.

## 2.2 Starlab Product Licenses

Modules	License	Remarks
Enobio Communication	Enbio License Agreement (additional permission GPLv3, sec. 7)	See 3.1
Enobio Display	Enbio License Agreement (additional permission GPLv3, sec. 7)	See 3.1
FIR Filter	Enbio License Agreement (additional permission GPLv3, sec. 7)	See 3.1
Triggering plus Sampling	GPLv3	
Sample Averaging	GPLv3	
Threshold Comparator	GPLv3	
Differentiation	GPLv3	
Cross Correlation	GPLv3	
Blink detector (including downsampling)	Enbio License Agreement; (additional permission GPLv3, sec. 7)	See 3.1
Blink detector trainer	Enbio License Agreement; (additional permission GPLv3, sec. 7)	See 3.1
Compute band power (including FFT computation)	GPLv3	
SSVEP Detector	Enbio License Agreement; (additional permission GPLv3, sec. 7)	See 3.1
SSVEP Trainer	Enbio License Agreement; (additional permission GPLv3, sec. 7)	See 3.1
SSVEP File Writer	GPLv3	
Wave File Player	GPLv3	
BNCI Evaluation	GPLv3	

As given in the table above no Source Code of plugins Enobio communication, Enobio display, FIR Filter, Blink detector, Blink detector trainer, SSVEP Detector, and SSVEP Trainer will be released. These commercial modules are included in public downloads, but not as OpenSource.

The license terms for the plugins “Enobio communication”, “Enobio display”, “FIR Filter”, “Blink Detector”, “Blink detector trainer”, “SSVEP Detector” and “SSVEP Trainer” (denoted as “this software” in the license text) can be found in Section 3.1 Enobio License Agreement.

## 2.3 Licenses used in FHTW contributions

Modules	Used Library	Library License	Remarks
ARE CIM Port Manager	RX/TX by Keane Jarvi ( <a href="http://rxtx.qbang.org">http://rxtx.qbang.org</a> )	LGPLv2.1	See 3.3
HID Actuator CIM	LUFA by Dean Camera ( <a href="http://www.fourwalledcubicle.com">www.fourwalledcubicle.com</a> ) PS3TeensyHid Gamepad by Josh Kropf ( <a href="mailto:josh@slashdev.ca">josh@slashdev.ca</a> ) ( <a href="http://git.slashdev.ca/ps3-teensy-hid/">http://git.slashdev.ca/ps3-teensy-hid/</a> )	MIT license GPLv3	See 3.7 See 3.4
FacetrackerLK Plugin	OpenCV	Intel License	See 3.5
ExpressionEvaluator Plugin	JEP Lite by Stephen Kolaroff ( <a href="http://jeplite.sourceforge.net/">http://jeplite.sourceforge.net/</a> )	GPLv3	See 3.4
WiiMote Plugin	WiiYourself Library by gl.tter - see <a href="http://gl.tter.org">http://gl.tter.org</a>	Custom Open Source	See 3.8

All FHTW contributions are licensed as open source.

## 2.4 Licenses used in UPMC contributions

Modules	Used Library	Library License	Remarks
Facetracker CLM	FactrackerAPI by Jason Saragih ( <a href="http://web.mac.com/jsaragih/FaceTracker/FaceTracker.html">http://web.mac.com/jsaragih/FaceTracker/FaceTracker.html</a> )  OpenCV	Own license, free for research and non- commercial use  Intel License	<b>See 3.6; Please read carefully the license before using</b>

All UPMC contributions are licensed as open source.



## 2.5 Licenses used in KI-I contributions

Modules	Used Library	Library License	Remarks
ACS	ColorPicker by Lorin, WPF SDK Team ( <a href="http://blogs.msdn.com/b/wpfsdk/arc_hive/2006/10/26/uncommon-dialogs--font-chooser-and-color-picker-dialogs.aspx">http://blogs.msdn.com/b/wpfsdk/arc_hive/2006/10/26/uncommon-dialogs--font-chooser-and-color-picker-dialogs.aspx</a> )	Microsoft Public License	See 3.9
	AvalonDock by Adolfo Marinucci ( <a href="http://avalondock.codeplex.com">http://avalondock.codeplex.com</a> )	NewBSD License	See 3.10
	Ribbon Controls by Microsoft ( <a href="http://www.microsoft.com/download/en/details.aspx?id=11877">http://www.microsoft.com/download/en/details.aspx?id=11877</a> )	Microsoft Proprietary	See 3.11
	Apache Thrift ( <a href="http://thrift.apache.org">http://thrift.apache.org</a> )	Apache Software License V2.0	See 3.12
	WPF Property Grid ( <a href="http://wpg.codeplex.com">http://wpg.codeplex.com</a> )	Microsoft Public License	See 3.13
Kinect Plugin	OpenNI ( <a href="http://www.openni.org">www.openni.org</a> )	LGPLv3	See 3.14
FS20-Sender Plugin	HIDApi ( <a href="http://github.com/signal11/hidapi">http://github.com/signal11/hidapi</a> )	GPLv3	See 3.15
FS20 Receiver Plugin	HIDApi ( <a href="http://github.com/signal11/hidapi">http://github.com/signal11/hidapi</a> )	GPLv3	See 3.15

All KI-I contributions are licensed as open source.

## 2.6 Licenses used in HARPO contributions

Modules	Used Library	Library License	Remarks
3dMouse Library and Plugin	3Dconnexion <a href="http://www.3dconnexion.de/service/sdk/licence-agreement/sdk-download.html">http://www.3dconnexion.de/service/sdk/licence-agreement/sdk-download.html</a>	3Dconnexion SW Developer Kit License	See 3.2

All HARPO contributions are licensed as open source.

## 2.7 Licenses used in external / third-party tools

### 2.7.1 GestureFollower by IRCAM – Centre Pompidou

The GestureFollower stand-alone application by Frederic Bevilacqua, Riccardo Borghesi, Norbert Schnell and Bruno Zamborlin has been provided by IRCAM / Centre Pompidou for the exclusive use with the AsTeRICS software and cannot be sold or redistributed.

It uses MuBu et FTM.

For more information please refer to

[http://imtr.ircam.fr/imtr/Gesture\\_Follower](http://imtr.ircam.fr/imtr/Gesture_Follower)

### 2.7.2 SpeechProcessor

The SpeechProcessor application provides a socket connection to certain functionalities of the Microsoft Speech Platform 11 API. This module is released by FHTW under the terms of the GPLv3 License.

The necessary Microsoft Speech Platform 11 runtime and language packages are provided by Microsoft under the respective licenses, see:

<http://www.microsoft.com/en-us/download/details.aspx?id=27225>

<http://www.microsoft.com/en-us/download/details.aspx?id=27224>

## 3 Collection of utilized licenses

### 3.1 ENOBIO License Agreement

Read the following terms and conditions carefully. The use of this software acknowledges that you have read this agreement, understood it and that you agree to be bound by its terms and conditions.

#### 3.1.1 Copyright

- All associated title and copyrights of the formerly mentioned plugins accompanying printed materials are owned by Starlab Barcelona S.L. You may not copy the printed materials accompanying ENOBIO without the express written permission of Starlab Barcelona SL
- You may not transfer this software to another party without the permission of Starlab Barcelona S.L. You may not rent, lease, or lend this software. This license is effective until terminated. You may terminate it at any time by destroying the software together with all copies. This license also terminates if you fail to comply with the terms and conditions of this agreement.

#### 3.1.2 Limited Warranty

- This Enobio accompanying software plugins can be downloaded "as is" and without warranties as to performance or merchantability or any other warranties whether expressed or implied.
- This software is designed to work with a particular hardware configuration: the ENOBIO device, which must be acquired separately, transmitting to a PC via the provided USB receiver, no warranty of fitness for any other configuration is offered.
- The user must assume the entire risk of using the program. Any liability of Starlab Barcelona S.L. will be limited exclusively to product replacement or refund of the purchase price at the discretion of Starlab S.L.

#### 3.1.3 Support

Email support shall be provided free for the lifetime of the product as long as the product has not been discontinued: [enobio@starlab.es](mailto:enobio@starlab.es)

## 3.2 3Dconnexion Software Developer Kit License Agreement

This 3Dconnexion Software Developer Kit ("3Dconnexion SDK") is provided to you by 3Dconnexion in consideration of your acceptance to the installation, use, reproduction and distribution terms as stated below. If you do not accept these terms, you should not continue with the installation, use, reproduction and distribution of the 3Dconnexion SDK.

**IMPORTANT - READ CAREFULLY BEFORE DOWNLOADING, COPYING, INSTALLING, OR USING THE 3DCONNEXION SDK**

### 1. License Grant

Subject to the terms and conditions contained in this Agreement, 3Dconnexion grants to you a personal limited non-exclusive, nontransferable, nonsublicensable, world-wide, royalty-free, revocable license to install, use, copy, modify and distribute in object code form the 3Dconnexion SDK; provided that no license is granted under any patents that may be or later become infringed by your modifications or derivative works in which the 3Dconnexion SDK may be incorporated.

### 2. Attribution Requirements and Trademark License:

2.1 In the format set forth below, you must provide attribution to 3Dconnexion in one of the following locations: (1) the "About" or "Info" box menu items (or equivalent) of your software application, (2) the "Read me" files, or (3) on your web site:

Development tools and related technology provided under license from 3Dconnexion.

(c) 1992 - 2010 3Dconnexion. All rights reserved. THE 3DCONNEXION SDK AND ALL MATERIALS PROVIDED HEREUNDER BY 3DCONNEXION ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. 3DCONNEXION AND ITS AFFILIATED COMPANIES MAKE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NONINFRINGEMENT REGARDING THE 3DCONNEXION SDK AND ALL MATERIALS OR ITS USE AND OPERATION ALONE OR IN COMBINATION WITH ANY PRODUCT.

IN NO EVENT SHALL 3DCONNEXION OR ANY OF ITS AFFILIATED COMPANIES 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) ARISING IN ANY WAY OUT OF USE, REPRODUCTION, MODIFICATION AND/OR DISTRIBUTION, OR THE INABILITY TO USE, ANY PORTION OF THE 3DCONNEXION SDK OR ITS DERIVATIVES OR MODIFICATIONS, INCLUDING THE DEVELOPER FORCE FEEDBACK GAME, AND ANY OF THE MATERIALS PROVIDED HEREUNDER BY 3DCONNEXION, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE), EVEN IF 3DCONNEXION OR ANY OF ITS AFFILIATED COMPANIES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

### 3.3 RXTX Library License

RXTX License v 2.1 - LGPL v 2.1 + Linking Over Controlled Interface.

RXTX is a native interface to serial ports in java. Copyright 1997-2007 by Trent Jarvi [tjarvi@qbang.org](mailto:tjarvi@qbang.org) and others who actually wrote it. See individual source files for more information. A copy of the LGPL v 2.1 may be found at <http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html> on November 21st 2007

A copy is here for your convenience. This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

An executable that contains no derivative of any portion of RXTX, but is designed to work with RXTX by being dynamically linked with it, is considered a "work that uses the Library" subject to the terms and conditions of the GNU Lesser General Public License.

The following has been added to the RXTX License to remove any confusion about linking to RXTX. We want to allow in part what section 5, paragraph 2 of the LGPL does not permit in the special case of linking over a controlled interface. The intent is to add a Java Specification Request or standards body defined interface in the future as another exception but one is not currently available.

<http://www.fsf.org/licenses/gpl-faq.html#LinkingOverControlledInterface>

As a special exception, the copyright holders of RXTX give you permission to link RXTX with independent modules that communicate with RXTX solely through the Sun Microsystems CommAPI interface version 2, regardless of the license terms of these independent modules, and to copy and distribute the resulting combined work under terms of your choice, provided that every copy of the combined work is accompanied by a complete copy of the source code of RXTX (the version of RXTX used to produce the combined work), being distributed under the terms of the GNU Lesser General Public License plus this exception. An independent module is a module which is not derived from or based on RXTX.

Note that people who make modified versions of RXTX are not obligated to grant this special exception for their modified versions; it is their choice whether to do so. The GNU Lesser General Public License gives permission to release a modified version without this exception; this exception also makes it possible to release a modified version which carries forward this exception.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA All trademarks belong to their respective owners.

### 3.4 JEPLite License

JEPLite is a light-weighted (re)implementation of the Java Expression Parser ([jep.sourceforge.net](http://jep.sourceforge.net)). The intention is to strip some of its not-so-often-used features, and thus speeding the rest. Includes expression optimizer.

The License –Type is GNU General Public License (GPL)  
Further Information see: <http://sourceforge.net/projects/jeplite/>

### 3.5 OpenCV License

By downloading, copying, installing or using the software you agree to this license. If you do not agree to this license, do not download, install, copy or use the software.

Intel License Agreement for Open Source Computer Vision Library, Copyright (C) 2000, Intel Corporation, all rights reserved.

Third party copyrights are property of their respective owners.

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

- \* Redistribution's of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistribution's 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.
- \* The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

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 Intel Corporation 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.

### 3.6 FaceTracker License

Copyright (C) 2010, Jason Mora Saragih, all rights reserved.

This file is part of FaceTracker.

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

- \* The software is provided under the terms of this licence strictly for academic, non-commercial, not-for-profit purposes.
- \* Redistributions of source code must retain the above copyright notice, this list of conditions (licence) and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions (licence) and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

\* As this software depends on other libraries, the user must adhere to and keep in place any licencing terms of those libraries.

\* Any publications arising from the use of this software, including but not limited to academic journal and conference publications, technical reports and manuals, must cite the following work:

J. M. Saragih, S. Lucey, and J. F. Cohn. Face Alignment through Subspace Constrained Mean-Shifts. International Conference of Computer Vision (ICCV), September, 2009.

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 COPYRIGHT HOLDER 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.

### 3.7 LUFA License

LUFA Library, Copyright (C) Dean Camera, 2010.

Copyright 2010 Dean Camera (dean [at] fourwalledcubicle [dot] com)

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of the author not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

The author disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the author be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

### 3.8 WiiYourself! License

---

- WiiYourself! - native C++ Wiimote library v1.15  
(c) gl.tter 2007-10 - <http://gl.tter.org>

---

LICENSE: My Wiimote library is free for any use (including commercial), with the following conditions:

- 1) You may not use it to harm anyone, directly or indirectly. \* this includes, but is not limited to, any kind of direct or indirect MILITARY use or related research \* (but bruising egos is fine ;).
- 2) Any distribution in binary form (ie. linked with your program) must include the following text in your distributions's documentation (ReadMe file, help file, About box and/or splash screen): "contains WiiYourself! wiimote code by gl.tter <http://gl.tter.org>"
- 3) Any distribution in source code form must keep all my copyright notices intact unmodified (you can add to them if you've made changes), and must include this license text (either include this file in your distribution, or paste its contents into your distribution's own licence file).
- 4) You may not use the code to produce a competing library, unless you rewrite all of it considerably (for example to convert it to another language, but you need to contact me for written permission first).

Instead please contribute new features, fixes and ideas to my mailing list (see ReadMe.txt).

gl.tter (<http://gl.tter.org> | glATr-i-IDOTnet)

### 3.9 ColorPicker License

WPF ColorPicker, downloaded from

<http://blogs.msdn.com/b/wpfsdk/archive/2006/10/26/uncommon-dialogs--font-chooser-and-color-picker-dialogs.aspx>

Licence: Microsoft Public License (Ms-PL), see section 3.13.

<http://www.microsoft.com/en-us/openness/resources/licenses.aspx>



### 3.10 Avalon-Dock License

<http://avalondock.codeplex.com>

License: New BSD License (BSD), Copyright (c) 2007-2009, Adolfo Marinucci

All rights reserved.

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

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* 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.

\* Neither the name of Adolfo Marinucci nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

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.

### 3.11 Ribbon control License

<http://www.microsoft.com/download/en/details.aspx?id=11877>

Copyright (c) 2010 Microsoft Cooperation

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT RIBBON FOR WINDOWS PRESENTATION FOUNDATION

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE.

If you comply with these license terms, you have the rights below.

1. INSTALLATION AND USE RIGHTS.

- a. You may install and use any number of copies of the software on your devices to design, develop and test your programs that run on a Microsoft Windows operating system.
- b. We have also included a reference copy of the source code for the RibbonControlsLibrary. This is not sample code. You may use this source code form of the RibbonControlsLibrary within your company as a reference, in read only form, for the sole purposes of debugging and maintaining your products to run on a Microsoft Windows operating system product.

2. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

- a. Distributable Code. The software contains code that you are permitted to distribute in programs you develop if you comply with the terms below.
  - i. Right to Use and Distribute. The code and text files listed below are "Distributable Code."
    - Redistributable DLL Files. You may copy and distribute the object code form of the following files: microsoft.windows.shell.dll and ribboncontrolslibrary.dll.
    - Sample Code. You may modify, copy, and distribute the source and object code form of code marked as "sample."
    - Third Party Distribution. You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.
  - ii. Distribution Requirements. For any Distributable Code you distribute, you must
    - add significant primary functionality to it in your programs;
    - require distributors and external end users to agree to terms that protect it at least as much as this agreement;
    - display your valid copyright notice on your programs; and
    - indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your programs.
  - iii. Distribution Restrictions. You may not
    - alter any copyright, trademark or patent notice in the Distributable Code;
    - use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
    - distribute Distributable Code to run on a platform other than the Windows platform;
    - include Distributable Code in malicious, deceptive or unlawful programs; or
    - modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that
      - the code be disclosed or distributed in source code form; or
      - others have the right to modify it.

3. **WINDOWS COMPONENTS.** The software contains microsoft.windows.shell.dll and ribboncontrolslibrary.dll. These files are part of Windows. The license terms for Windows apply to your use of these .dll's.

4. **SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not

- disclose the results of any benchmark tests of the software to any third party without Microsoft's prior written approval;
- work around any technical limitations in the software;
- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
- make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;
- publish the software for others to copy;
- rent, lease or lend the software;
- transfer the software or this agreement to any third party; or
- use the software for commercial software hosting services.

5. **DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.

6. **EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see <[www.microsoft.com/exporting](http://www.microsoft.com/exporting)>.

7. **SUPPORT SERVICES.** Because this software is "as is," we may not provide support services for it.

8. **ENTIRE AGREEMENT.** This agreement, and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.

9. **APPLICABLE LAW.**

a. **United States.** If you acquired the software in the United States, Washington state law governs the interpretation of this agreement and applies to claims for breach of it, regardless of conflict of laws principles. The laws of the state where you live govern all other claims, including claims under state consumer protection laws, unfair competition laws, and in tort.

b. **Outside the United States.** If you acquired the software in any other country, the laws of that country apply.

10. **LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your country. You may also have rights with respect to the party from whom you acquired the software. This agreement does not change your rights under the laws of your country if the laws of your country do not permit it to do so.

11. **DISCLAIMER OF WARRANTY.** THE SOFTWARE IS LICENSED "AS-IS." YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. YOU MAY HAVE ADDITIONAL CONSUMER RIGHTS UNDER YOUR LOCAL LAWS WHICH THIS AGREEMENT CANNOT CHANGE. TO THE EXTENT PERMITTED UNDER YOUR

LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.

12. LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.

This limitation applies to

- anything related to the software, services, content (including code) on third party Internet sites, or third party programs; and
- claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

Please note: As this software is distributed in Quebec, Canada, some of the clauses in this agreement are provided below in French.

## 3.12 Apache Thrift License

<http://thrift.apache.org/>

Copyright (c) 2007 - 2011, The Apache Software Foundation

Licence: Apache Software Licence, Version 2.0

Apache License

Version 2.0, January 2004

<http://www.apache.org/licenses/>

### TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

#### 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License. You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use,

reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

## END OF TERMS AND CONDITIONS

## APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

### 3.13 WPF Property Grid (WPG) License

<http://wpg.codeplex.com/>

Licence: Microsoft Public License (Ms-PL)

This license governs use of the accompanying software. If you use the software, you accept this license. If you do not accept the license, do not use the software.

#### 1. Definitions

The terms "reproduce," "reproduction," "derivative works," and "distribution" have the same meaning here as under U.S. copyright law.

A "contribution" is the original software, or any additions or changes to the software.

A "contributor" is any person that distributes its contribution under this license.

"Licensed patents" are a contributor's patent claims that read directly on its contribution.

#### 2. Grant of Rights

(A) Copyright Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free copyright license to reproduce its contribution, prepare derivative works of its contribution, and distribute its contribution or any derivative works that you create.

(B) Patent Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free license under its licensed patents to make, have made, use, sell, offer for sale, import, and/or otherwise dispose of its contribution in the software or derivative works of the contribution in the software.

#### 3. Conditions and Limitations

(A) No Trademark License- This license does not grant you rights to use any contributors' name, logo, or trademarks.

(B) If you bring a patent claim against any contributor over patents that you claim are infringed by the software, your patent license from such contributor to the software ends automatically.

(C) If you distribute any portion of the software, you must retain all copyright, patent, trademark, and attribution notices that are present in the software.

(D) If you distribute any portion of the software in source code form, you may do so only under this license by including a complete copy of this license with your distribution. If you distribute any portion of the software in compiled or object code form, you may only do so under a license that complies with this license.

(E) The software is licensed "as-is." You bear the risk of using it. The contributors give no express warranties, guarantees or conditions. You may have additional consumer rights under your local laws which this license cannot change. To the extent permitted under your local laws, the contributors exclude the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

### 3.14 LGPL Version 3 (for ACS and Native ASAPI libraries)

GNU LESSER GENERAL PUBLIC LICENSE, Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed. This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

#### 0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License. "The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below. An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library. A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

#### 1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

#### 2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

#### 3. Object Code Incorporating Material from Library Header Files.



The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

- a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the object code with a copy of the GNU GPL and this license document.

#### 4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

- a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the Combined Work with a copy of the GNU GPL and this license document.
- c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.
- d) Do one of the following:

- 0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

- 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

- e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

#### 5. Combined Libraries.

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 that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.
- b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

#### 6. Revised Versions of the GNU Lesser General Public License.

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

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

### 3.15 GPL Version 3 (for ARE and Plugins)

GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

#### Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, 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 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 copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, 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.

"This 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.

### 1. Source Code.

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 this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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. 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 same work.

## 2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

## 3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

## 4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

#### 5. Conveying Modified Source Versions.

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.

d) 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 do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

#### 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 noncommercially, 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 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).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified

or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

## 7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does



not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

#### 8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

#### 9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

#### 10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts. You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted

under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

## 11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

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. "Knowingly relying" means you have actual knowledge that, but for the patent license, your 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.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that

contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

#### 12. No Surrender of Others' Freedom.

If 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 convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

#### 13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

#### 14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU 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 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.

#### 15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "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 PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM 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 PROGRAM (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 PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS