




<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 1</b>


<b>1</b>	<b>Overview .....</b>	<b>10</b>
<b>2</b>	<b>OSS Licenses used in the project .....</b>	<b>10</b>
<b>3</b>	<b>Package details for OSS Licenses usage .....</b>	<b>11</b>
3.1	ACL - 2.2.52 .....	11
3.2	AES - Advanced Encryption Standard - 1.0 .....	11
3.3	Alsa Libraries - 1.0.27.2 .....	12
3.4	Alsa Plugins - 1.0.26 .....	12
3.5	Alsa Utils - 1.0.27.2 .....	12
3.6	APMD - 3.2.2 .....	12
3.7	ATK - 2.8.0 .....	12
3.8	Attr - 2.4.46 .....	12
3.9	Audio File Library - 0.2.7 .....	13
3.10	Avahi - 0.6.31 .....	13
3.11	Bash - 3.2.48 .....	13
3.12	BidiReferenceCpp - 26 .....	13
3.13	Bison with GPL 3.0 exception - 2.7.1 .....	13
3.14	Blktrace - 1.0.5 .....	13
3.15	BlueZ - 4.101, 5.15 .....	14
3.16	BPSTL .....	14
3.17	Btrfs-progs - 0.20 .....	14
3.18	Busybox - 1.21.1 .....	14
3.19	Bzip2 - 1.0.6 .....	14
3.20	Cairo Vector Graphics Library - 1.12.14, 1.12.16 .....	14
3.21	Cairo-Pixman - 0.30.2 .....	15
3.22	Cdparanoia - 10.2 .....	15
3.23	CE Device Manager plug-ins - 0.3.2 .....	15
3.24	Chkconfig - 1.3.59 .....	15
3.25	CMU Sphinx - 0.7 .....	15
3.26	ConnMan - 1.17 .....	16
3.27	Crypt:Curve25519 - 0.01 .....	16
3.28	Curl and Libcurl - 7.32.0 .....	16
3.29	CVTUTF .....	16
3.30	Darwin Source Repository .....	16

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 2</b>


3.31	DBus Bluetooth Daemon .....	16
3.32	DBus-glib - 0.100.2 .....	16
3.33	D-Bus - 1.0, 1.6.10 .....	17
3.34	DBus-python - 1.2.0 .....	17
3.35	Developer's Image Library - DevIL - 1.7.8 .....	17
3.36	Dosfstools - 2.11 .....	17
3.37	ECNR .....	17
3.38	ECryptfs - r100 .....	17
3.39	Elfutils - 0.148 .....	18
3.40	ESound - The Enlightened Sound Daemon - 0.2.36 .....	18
3.41	Ethtool - 3.5 .....	18
3.42	Evtest - 1.25 .....	18
3.43	EXIF Tag Parsing Library - libexif - 0.6.21 .....	18
3.44	Expat XML Parser - 2.1.0 .....	18
3.45	Ext2 Filesystems Utilities - 1.42.8 .....	19
3.46	FastLZ - 0.1.0 .....	19
3.47	Festival Speech Synthesis System - 2.1 .....	19
3.48	Filesystem in Userspace - 2.9.2, 2.9.3 .....	19
3.49	Fine Free File Command - 5.14 .....	19
3.50	FLAC-Free Lossless Audio Codec - 1.2.1 .....	19
3.51	Font Config - 2.10.2 .....	20
3.52	Free Type - 2.5.3 & 2.4.10 .....	20
3.53	GCC C++ / libstdc++ - 4.8.1 ,4.8.3 .....	20
3.54	GDK-Pixbuf - 2.28.2 .....	20
3.55	GENIVI Audio Manager - 1.1,3.2 .....	20
3.56	GENIVI Audio Manager -MIT 1.1,3.2 .....	21
3.57	GENIVI Diagnostic Log and Trace Daemon - 2.10.0 .....	21
3.58	GENIVI IPC CommonAPI C++ DBus Runtime - 2.0.6 .....	21
3.59	GENIVI IPC CommonAPI C++ Runtime - 2.0.2, 2.1.4 .....	21
3.60	GENIVI IVI Layer Management - 0.9.7 & 1.2.0 .....	21
3.61	GENIVI Node Startup Controller - 1.0.2 .....	22
3.62	Giflib - A library for processing GIFs - 4.1.6 .....	22
3.63	Gladman AES .....	22

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 3</b>


3.64	Glib - 2.36.4, 2.38.2 .....	22
3.65	GNU Multiple Precision Arithmetic Library - 4.2.1 .....	22
3.66	Gnome Disk Utility - 2.32.0 .....	22
3.67	GNOME Keyring - 2.32.0 .....	23
3.68	GNOME Libnotify - 0.6.0 .....	23
3.69	GNU Bin Utils 2.17.50.0.12 .....	23
3.70	GNU C Library - 2.19 .....	23
3.71	GNU Diff Utils - 2.8.1 .....	23
3.72	GNU Libtool - 2.4.2 .....	23
3.73	GNU Readline Library - 5.2 .....	24
3.74	GnuPG - 1.4.7 .....	24
3.75	GnuTLS - 2.12.23 .....	24
3.76	Gst-fsl-plugins -2.0.3 .....	24
3.77	GStreamer - 0.10.36 .....	24
3.78	GSTREAMER PLUGINS-BAD - 0.10.23 .....	25
3.79	GSTREAMER PLUGINS-BASE - 0.10.36 .....	25
3.80	GSTREAMER PLUGINS-GOOD - 0.10.31 .....	25
3.81	GTK - 2.24.20 .....	25
3.82	Gvfs - 1.10.1 .....	25
3.83	Gzip - 1.3.12 .....	25
3.84	Half - 1.11.0 .....	25
3.85	HarfBuzz - 0.9.35 .....	26
3.86	HFS Utilities - 3.2.6 .....	26
3.87	Hidapi .....	26
3.88	ICU - International Components for Unicode - 4.6.1 .....	26
3.89	IEEE 802.1d ethernet bridging - 1.5 .....	26
3.90	Info-ZIP project - 3.0 .....	26
3.91	IP Tables - 1.4.19.1 .....	27
3.92	ISC BIND - 9.8.1, 9.9.5 .....	27
3.93	ISC DHCP - 4.2.5-P1 .....	27
3.94	Itzam - 6.0.4 .....	27
3.95	JasPer - 1.900.1 .....	27
3.96	JSON-C - 0.9, 0.11 .....	28

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 4</b>


3.97	Keyutils - 1.5.5, 1.5.8 .....	28
3.98	Kernel Configuration System .....	28
3.99	Khronos Group - OpenGL ES .....	28
3.100	Kiss FFT - 1.3.0 .....	28
3.101	Kmod - 14.0 .....	28
3.102	LatencyTOP - 0.5 .....	29
3.103	Lib Cap - 2.22 .....	29
3.104	libaio - 0.3.109-r2 .....	29
3.105	Libatasmart - 0.19 .....	29
3.106	Libbsd - 0.3.0 .....	29
3.107	Libcroco - 0.6.8 .....	30
3.108	Libdaemon - 0.14 .....	30
3.109	Libdrm - 2.4.46 .....	30
3.110	Libffi - 3.0.13 .....	30
3.111	Libgcrypt - 1.5.3 .....	30
3.112	Libgpg-error Lib - 1.12 .....	30
3.113	Libjpeg - 8b, 8d .....	31
3.114	Libmtp - 1.1.5 & 1.1.6 .....	31
3.115	Libnettle - nettle_2.7_release_20130424 .....	31
3.116	Libnfsidmap - 0.25 .....	31
3.117	Libnl - Netlink Library - 3.2.22 .....	31
3.118	Libogg - 1.3.1 .....	32
3.119	Libsvg - 2.32.1, 2.40.1 .....	32
3.120	Libsigc++ - 2.2.11 .....	32
3.121	Libsndfile - 1.0.25 .....	32
3.122	Libsoup - 2.42.1 .....	32
3.123	Libtaginfo - 0.1.6 .....	33
3.124	Libtheora - 1.1.1 .....	33
3.125	Libtiff - 4.0.3 .....	33
3.126	LIBUNIBREAK - 2.1 .....	33
3.127	Libunwind - 1.1 .....	33
3.128	Libusb - 1.0.9 .....	34
3.129	Libvorbis - 1.3.3 .....	34

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 5</b>


3.130	LibX11 - 1.6.1 .....	34
3.131	LibXau - 1.0.7 .....	34
3.132	LibXdmcp - 1.1.1 .....	34
3.133	LibXext - 1.3.2 .....	35
3.134	Libxkbcommon - 0.3.1 .....	35
3.135	Libxslt - 1.1.28 .....	35
3.136	Lighttpd - 1.4.32 .....	35
3.137	Linux Diagnostic Tools - sysfsutils - 2.1.0 .....	35
3.138	Linux DiskQuota - 4.01-r1.1 .....	36
3.139	Linux Kernel - 3.8 .....	36
3.140	Lmbench - 3.0 .....	36
3.141	LTTng - 2.3.0 .....	36
3.142	Lua-5 v5.1.4 & v5.2.3 .....	36
3.143	LZO - 2.06 .....	36
3.144	LZ4 Compression algorithm - 1.3.1 .....	37
3.145	MDNSResponder - 544 .....	37
3.146	MMC-Utills - 0.1 .....	37
3.147	Mosquitto: an mqtt message broker - 1.3.4 .....	37
3.148	Mozilla Thunderbird .....	37
3.149	Mozjs - 17.0 .....	37
3.150	Mtd-utils - 1.5.0 .....	38
3.151	Mtdev - 1.1.3 .....	38
3.152	multilib_header_wrapper .....	38
3.153	Ncurses - 5.9 .....	38
3.154	Netscape Portable Runtime (NSPR) - 4.10 .....	38
3.155	NFS - nfs-utils - 1.2.8 .....	38
3.156	NTFS-3G Read/Write Driver - 2013.1.13 .....	39
3.157	OECore - 2011-1 .....	39
3.158	OFono - 1.12 .....	39
3.159	Open Scene Graph - 3.0.1 .....	39
3.160	OpenSSH - 6.2p2 .....	40
3.161	OpenSSL - 1.0.1e .....	40
3.162	Opkg - 0.1.8, 0.2.1 .....	40

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 6</b>

3.163	OProfile - 0.9.8 .....	40
3.164	P7v - 0.2-r2 .....	40
3.165	PCRE - 8.30,8.33 .....	40
3.166	Perl - 5.14.3 .....	41
3.167	Pkg Config - 0.28 .....	41
3.168	PNG reference library - 1.6.10, 1.4.5, 1.6.8, 1.5.13 .....	41
3.169	PolicyKit - 0.111 .....	41
3.170	Popt - 1.16 .....	41
3.171	Port Map - 6.0 .....	42
3.172	PostgreSQL Database Server - 9.2.4 .....	42
3.173	PPP - Pauls PPP Package - 2.4.5, 2.4.6 .....	42
3.174	Protobuf - 2.3.0 & 2.5.0 .....	42
3.175	Psmisc - 22.20, 22.21 .....	42
3.176	PulseAudio - 4.0 .....	42
3.177	Py2cairo - 1.10.0 .....	43
3.178	Python - 2.7.3 .....	43
3.179	Python bindings for GObject - 2.27.91 .....	43
3.180	QT - 4.8.5, 5.4.0, 5.2.1 .....	43
3.181	Qt3D .....	43
3.182	RBTree algorithm .....	43
3.183	RPCBind - 0.2.0-r4 .....	43
3.184	RFC1321-based (RSA-free) MD5 library[libmd5-rfc] - v1.6 ....	44
3.185	Rsync - 2.6.9 .....	44
3.186	SDC .....	44
3.187	Secret Rabbit Code - 0.1.8 .....	44
3.188	Sg3_utils - 1.31 .....	44
3.189	Shadow - 4.1.4.3 .....	45
3.190	Shared Mime - 1.1-r1 .....	45
3.191	Speex - 1.2rc1 .....	45
3.192	SQLite - 3.7.3, 3.7.15.2, 3.8.0.1, 3.7.17 .....	45
3.193	Squashfs - 4.2 .....	45
3.194	Strace - 4.8 .....	45
3.195	Svg common & resource .....	46


<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 7</b>

3.196	System Tap - 2.3 .....	46
3.197	Systemd - 206 .....	46
3.198	Tadween - 1.0.4 .....	46
3.199	TagLib - 1.7 & 1.8 .....	46
3.200	TCP Wrappers - 7.6 .....	46
3.201	The libpcap project - 1.4.0, 1.5.3 .....	47
3.202	The PCI Utilities - 3.2.0 .....	47
3.203	The tcpdump project - 4.3.0 .....	47
3.204	Threaded I/O Tester - 0.3.3 .....	47
3.205	TinyXML - 2.6.2 .....	47
3.206	Totem Playlist Parser - 3.4.5 .....	48
3.207	Trace-cmd - 1.2 .....	48
3.208	Tracker - 0.14.2 .....	48
3.209	Tslib - 1.0 .....	48
3.210	UBoot .....	48
3.211	Udev - Userspace Device Management Daemon .....	48
3.212	Udisks - 1.0.4 .....	48
3.213	Unzip - 6.0 .....	49
3.214	USB Utils - 007 .....	49
3.215	Userspace-rcu - 0.7.7 .....	49
3.216	Util-Linux - 2.23.2 .....	49
3.217	WavPack Lossless Audio Compressor - 4.60.1 .....	49
3.218	Wayland - 1.2.0 .....	50
3.219	Wireless-tools - 29, 30 .....	50
3.220	Wpa_supplicant - 2.0 .....	50
3.221	X.org - xtrans - 1.2.7 .....	50
3.222	XCB - 1.9.1 .....	50
3.223	xml parser generator .....	50
3.224	XZ Utils - 5.1.2 .....	51
3.225	Yajl - 2.0.1 .....	51
3.226	Zlib - 1.2.3, 1.2.6, 1.2.7 .....	51
3.227	Atomic_ops - 7.2 .....	51
3.228	Free Image - 3.15.4 .....	51


<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 8</b>

3.229	Jsoncpp .....	52
3.230	Dnsmasq 2.68 .....	52
3.231	qt5 - 5.2.1 .....	52
3.232	GConf 3.2.6 .....	52
3.233	plugixml 1.2 .....	52
3.234	sbc - Bluetooth Low-complexity Subband Codec Library 1.2 ...	52
3.235	Boost C++ Libraries - 1.50.0 .....	53
3.236	msinttypes .....	53
3.237	RapidXml - 1.13 .....	53
3.238	HMI_Daemon .....	53
3.239	GENIVI Audio Manager - MIT .....	53
3.240	Hostapd- 2.1 .....	54
3.241	Templatized C++ Command Line Parser - 1.2.1 .....	54
3.242	v4l-utils - 0.8.8 r2 .....	54
3.243	v4utils_gpl2.0 .....	54
3.244	v4utils_LGPL2.1 .....	54
3.245	v4utils_libdvbv5 .....	54
3.246	v4utils_libv4l2rds .....	54
3.247	libdvbv5 - 0.8.8 r2 .....	55
3.248	libblkid - 2.24 .....	55
3.249	libevdev - 1.3.1 .....	55
3.250	CRDA- 1.1.3 .....	55
3.251	Iotop- 0.4.4 .....	55
3.252	Iw- 3.11 .....	56
3.253	Sqlite3 .....	56
3.254	7-Zip LZMA SDK .....	56
4	<b>License Terms &amp; Condition .....</b>	<b>56</b>
4.1	Academic Free License v2.1 .....	56
4.2	Apache License v2.0 .....	59
4.3	Apple Public Source License 1.1 .....	63
4.4	BSD-4-Clause(University of California - Specific) .....	69
4.5	Bind License .....	71
4.6	Bison with GPL 3.0 Exception .....	72



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 9</b>

4.7	BSD 2-clause License.....	79
4.8	BSD 3-clause License.....	80
4.9	Boost Software License 1.0.....	80
4.10	Bzip2 License.....	81
4.11	Curl License.....	81
4.12	Expat License.....	82
4.13	Festival Speech Synthesis System License.....	82
4.14	Fine Free File Command License.....	84
4.15	GCC Runtime Library Exception 3.1 to GPL.....	85
4.16	GPL V2.0 or later.....	97
4.17	GPL V2.0 only.....	104
4.18	ISC License.....	108
4.19	Info-ZIP Updated License.....	109
4.20	ICU License.....	110
4.21	FreeImage Public License 1.0.....	111
4.22	JPEG License.....	116
4.23	LGPLv2.0 License.....	118
4.24	LGPLv2.1 License.....	128
4.25	Libpng license.....	138
4.26	Libtheora License.....	140
4.27	Libxml2 License.....	141
4.28	LUA license.....	142
4.29	MIT License.....	142
4.30	MPL v2.0.....	143
4.31	Open Group License.....	150
4.32	OpenSSL Combined License.....	151
4.33	PCRE 5 License.....	153
4.34	PostgreSQL License.....	154
4.35	Python License 2.0.....	155
4.36	Silicon Graphics License.....	159
4.37	TCP Wrappers License.....	159
4.38	The FreeType Project License.....	160
4.39	Tiff License.....	163

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 10</b>

4.40	Unicode License .....	164
4.41	X Consortium License .....	164
4.42	zlib License .....	165
4.43	OpenSceneGraph Public License .....	165
4.44	Public Domain .....	171
4.45	GNU Library General Public License v2 or later .....	171
4.46	X11 License .....	179
4.47	Apache License Version 1.1 .....	180
4.48	INFO-ZIP License .....	181
4.49	JasPer License .....	181


## 1 Overview

This document contains the Open Source Software licenses used in NISSAN NCG3 project.

The packages are either used completely or only some parts within a package are used. The applicable license is listed depending on whether the complete package is used or only parts of the package are used.

## 2 OSS Licenses used in the project

License name
Academic Free License 2.1
Apache License 2.0
Apple Public Source License 1.1
BSD-4-Clause(University of California – Specific)
Bind license
Bison with GPL 3.0 Exception
BSD 2-clause
BSD 3-clause
Boost Software License 1.0
Bzip2 License
Curl License
Expat License
Festival Speech Synthesis System License
Fine Free File Command License
GCC Runtime Library Exception 3.1 to GPL 3.0
GPL V2.0 or later
GPL V2.0 only
ISC License

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 11</b>

Info-ZIP Updated License
ICU license
FreeImage Public License 1.0
JPEG License
LGPLv2.0 License
LGPLv2.1 License
Libpng license
Libtheora License
Libxml2 License
Lua License
MIT License
Mozilla Public License 2.0
Open Group License
OpenSSL Combined License
PCRE 5 License
PostgreSQL License
Python License 2.0
Silicon Graphics New License
TCP Wrappers License
The FreeType Project LICENSE
Tiff License
Unicode License
X Consortium License
zlib License
OpenSceneGraph Public License
INFO-ZIP License
Public Domain
GNU Library General Public License v2 or later
X11 License
Apache License Version 1.1
Info-Zip License
JasPer License


### 3 Package details for OSS Licenses usage

#### 3.1 ACL - 2.2.52

Description:	An access control list (ACL), with respect to a computer file system, is a list of permissions attached to an object.
Available under the license:	GPL v2.0
Copyright (c):	1999 Andreas Gruenbacher
Terms and Conditions:	Refer Section 4.16

#### 3.2 AES - Advanced Encryption Standard – 1.0

Description:	It is the new US government private key encryption standard.
--------------	--

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 12</b>

Available under the license:	Zlib License
Copyright (c):	2000-2005 Chris Lomont
Terms and Conditions:	Refer section 4.42

### 3.3 **Alsa Libraries - 1.0.27.2**

Description:	The Advanced Linux Sound Architecture (ALSA) provides audio and MIDI functionality to the Linux operating system.
Available under the license:	LGPL v2.1
Copyright (c):	2000 by Abramo Bagnara
Terms and Conditions:	Refer Section 4.24

### 3.4 **Alsa Plugins - 1.0.26**

Description:	The ALSA Plugins package contains plugins for various audio libraries and sound servers.
Available under the license:	LGPL v2.1
Copyright (c):	2006 by Pierre Ossman
Terms and Conditions:	Refer Section 4.24

### 3.5 **Alsa Utils - 1.0.27.2**

Description:	The ALSA Utilities package contains various utilities which are useful for controlling your sound card.
Available under the license:	GPL v2.0
Copyright (c):	2000-2004 James Courtier-Dutton
Terms and Conditions:	Refer Section 4.16

### 3.6 **APMD - 3.2.2**


Description:	Advanced Power Management daemon.
Available under the license:	GPL v2.0
Copyright (c):	Copyright 1996, 1997 Rickard E. Faith
Terms and Conditions:	Refer Section 4.16

### 3.7 **ATK - 2.8.0**

Description:	ATK provides the set of accessibility interfaces that are implemented by other toolkits and applications.
Available under the license:	LGPL v2.1
Copyright (c):	Copyright 2001 Sun Microsystems Inc.
Terms and Conditions:	Refer Section 4.24

### 3.8 **Attr - 2.4.46**

Description:	The attr package contains utilities to administer the extended attributes on filesystem objects
Available under the license:	LGPL v2.1
Copyright (c):	2000-2002, 2004 Silicon Graphics, Inc.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 13</b>

Terms and Conditions:

Refer Section 4.24

### 3.9 Audio File Library - 0.2.7

Description:

The Audio File Library is a C-based library for reading and writing audio files in many common formats.

Available under the license:

LGPL v2.1

Copyright (c):

1999, Elliot Lee <sopwith@redhat.com>

Terms and Conditions:

Refer Section 4.24

### 3.10 Avahi - 0.6.31

Description:

Avahi is an Implementation the DNS Service Discovery and Multicast DNS specifications for Zeroconf Computing

Available under the license:

LGPL v2.1

Copyright (c):

This file is part of avahi.

Terms and Conditions:

Refer Section 4.24

### 3.11 Bash - 3.2.48

Description:

Bash is the shell, or command language interpreter, that will appear in the GNU operating system.

Available under the license:

GPL v2.0

Copyright (c):

1997-2004 Free Software Foundation, Inc.

Terms and Conditions:

Refer Section 4.16

### 3.12 BidiReferenceCpp - 26

Description:

The implementation of complex script text rendering is partially based on the Unicode.org reference implementation of the bidirectional algorithm.

Available under the license:

Unicode License

Copyright (c):

1999-2009, ASMUS, Inc.

Terms and Conditions:

Refer Section 4.40

### 3.13 Bison with GPL 3.0 exception - 2.7.1

Description:

Bison is a general-purpose parser generator that converts an annotated context-free grammar into a deterministic LR or generalized LR (GLR) parser employing LALR (1) parser tables

Available under the license: Bison with GPL 3.0 exception

Copyright (c):

Free Software Foundation, Inc


Terms and Conditions:

Refer Section 4.6

### 3.14 Blktrace - 1.0.5

Description:

blktrace is a block layer IO tracing mechanism which provides detailed information about request queue

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 14</b>

Available under the license: operations up to user space.  
 Copyright (c): GPL v2.0  
 Terms and Conditions: Alan D. Brunelle Alan.Brunelle@hp.com  
 Refer Section 4.16

### 3.15 **BlueZ - 4.101, 5.15**

Description: BlueZ provides support for the core Bluetooth layers and protocols  
 Available under the license: GPL v2.0  
 Copyright (c): 2010 Nokia Corporation  
 Terms and Conditions: Refer Section 4.16

### 3.16 **BPSTL**

Description: STL is a generic library. It provides basic algorithms and data structures of computer science.  
 Available under the license: Silicon Graphics License  
 Copyright (c): 1996-1997 Silicon Graphics Computer Systems, Inc.  
 Copyright (c): 1994 Hewlett-Packard Company  
 Terms and Conditions: Refer section 4.36

### 3.17 **Btrfs-progs - 0.20**

Description: Btrfs is a new copy on write filesystem for Linux aimed at implementing advanced features while focusing on fault tolerance, repair and easy administration  
 Available under the license: GPL v2.0  
 Copyright (c): 2007 Oracle. All rights reserved.  
 Terms and Conditions: Refer Section 4.16

### 3.18 **Busybox - 1.21.1**


Description: BusyBox combines tiny versions of many common UNIX utilities into a single small executable.  
 Available under the license: GPL v2.0 only  
 Copyright (c): 1999-2004 by Erik Andersen  
 Terms and Conditions: Refer Section 4.17

### 3.19 **Bzip2 - 1.0.6**

Description: bzip2 is a free and open-source file compression program that uses the Burrows–Wheeler algorithm.  
 Available under the license: Bzip2 License  
 Copyright (c): 1996-2010 Julian Seward  
 Terms and Conditions: Refer Section 4.10

### 3.20 **Cairo Vector Graphics Library - 1.12.14, 1.12.16**

Description: Cairo is a 2D graphics library with support for multiple

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 15</b>

Available under the license:	output devices, both raster and vector.
Copyright (c):	LGPL v2.1
Copyright (c):	2002 University of Southern California
Terms and Conditions:	2004 Carl Worth.
	Refer Section 4.24

### 3.21 Cairo-Pixman - 0.30.2

Description:	Pixman is a low-level software library for pixel manipulation, providing features such as image compositing and trapezoid rasterization
Available under the license:	MIT license
Copyright (c):	2000 SuSE, Inc
Copyright (c):	2007 Red Hat, Inc
Copyright (c):	2009 Nokia Corporation
Copyright (c):	2011 SCore Corporation
Copyright (c):	2012, Soren Sandmann
Terms and Conditions:	Refer Section 4.29

### 3.22 Cdparanoia - 10.2

Description:	cdparanoia is a Compact Disc Digital Audio (CDDA) extraction tool, commonly known on the net as a 'ripper'
Available under the license:	GPL v2.0
Copyright (c):	2008 Monty xiphmont@mit.edu
Terms and Conditions:	Refer Section 4.16

### 3.23 CE Device Manager plug-ins - 0.3.2


Description:	Wind River Systems, Inc.
Available under the license:	LGPL v2.1
Copyright (c):	1991, 1999 Free Software Foundation, Inc.
Terms and Conditions:	Refer Section 4.24

### 3.24 Chkconfig - 1.3.59

Description:	Updates and queries runlevel information for system services
Available under the license:	GPL v2.0
Copyright (c):	1997-2009 Red Hat, Inc.
Terms and Conditions:	Refer Section 4.16

### 3.25 CMU Sphinx - 0.7

Description:	CMUSphinx is a speaker-independent large vocabulary continuous speech recognizer
Available under the license:	BSD 3-clause License
Copyright (c):	1994-2001 Carnegie Mellon University.
Terms and Conditions:	Refer Section 4.8

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 16</b>

### 3.26 ConnMan - 1.17

Description:	The ConnMan project provides a daemon for managing internet connections within embedded devices running the Linux operating system
Available under the license:	GPL v2.0
Copyright (c):	2007-2012 Intel Corporation.
Copyright (c):	2012 BMW Car IT GmbH.
Terms and Conditions:	Refer Section 4.16

### 3.27 Crypt:Curve25519 - 0.01

Description:	Generate shared secret using elliptic-curve Diffie-Hellman function
Available under the license:	BSD 2-clause License
Copyright (c):	Copyright 2008, Google Inc.
Terms and Conditions:	Refer Section 4.7

### 3.28 Curl and Libcurl - 7.32.0

Description:	curl is free and open software that compiles and runs under a wide variety of operating systems.
Available under the license:	Curl License
Copyright (c):	1998 - 2012, Daniel Stenberg,
Terms and Conditions:	Refer Section 4.11

### 3.29 CVTUTF

Description:	Convert to UTF
Available under the license:	Unicode License
Terms and Conditions:	Refer Section 4.40

### 3.30 Darwin Source Repository

Description:	The Darwin Source Repository is a project created in 2007 to ensure that the sources to Darwin are always available
Available under the license:	Apple Public Source License 1.1
Copyright (c):	1996-2002, 2005 Apple Computer, Inc.
Terms and Conditions:	Refer Section 4.3


### 3.31 Dbus Bluetooth Daemon

Description:	Dbus daemon for Bluetooth protocol.
Available under the license:	Academic Free License v2.1
Copyright (c):	2010 (c) MontaVista Software, LLC.
Terms and Conditions:	Refer Section 4.1

### 3.32 Dbus-glib - 0.100.2

Description:	D-Bus is a message bus system, a simple way for applications to talk to one another
--------------	---



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 17</b>

Available under the license: GPL v2.0  
 Copyright (c): 2004 Red Hat, Inc.  
 Terms and Conditions: Refer Section 4.16

### 3.33 D-Bus - 1.0, 1.6.10

Description: D-Bus is a message bus system, a simple way for applications to talk to one another  
 Available under the license: Academic Free License v2.1  
 Copyright (c): 2002, 2003, 2004 Red Hat Inc.  
 Terms and Conditions: Refer Section 4.1

### 3.34 Dbus-python - 1.2.0

Description: D-Bus is a message bus system, a simple way for applications to talk to one another  
 Available under the license: MIT License  
 Copyright (c): 2006 Collabora Ltd.  
 Terms and Conditions: Refer Section 4.29

### 3.35 Developer's Image Library - DevIL - 1.7.8

Description: It is a cross-platform image library utilizing a simple syntax to load, save, convert, manipulate, filter and display a variety of images with ease.  
 Available under the license: LGPL v2.1  
 Copyright (c): 2000-2009 Denton Woods.  
 Terms and Conditions: Refer section 4.24

### 3.36 Dosfstools - 2.11


Description: dosfstools contains utilities for making and checking MS-DOS FAT file systems  
 Available under the license: GPL v2.0  
 Terms and Conditions: Refer Section 4.16

### 3.37 ECNR

Description: It is adaptation of QWA (QNX Wavemakers Audio) Library.  
 Available under the license: Academic Free License v2.1  
 Copyright (c): 2010 MontaVista Software, LLC.  
 Terms and Conditions: Refer Section 4.1

### 3.38 ECryptfs - r100

Description: eCryptfs is a POSIX-compliant enterprise-class stacked cryptographic filesystem for Linux  
 Available under the license: GPL v2.0  
 Copyright (c): 2004-2006 IBM Corp.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 18</b>

Terms and Conditions:

Refer Section 4.16

### 3.39 Elfutils - 0.148

Description:

A collection of libraries and utilities for working with ELF object files and DWARF debugging information.

Available under the license:

GPL v2.0 only

Copyright (c):

2006 Red Hat, Inc.

Terms and Conditions:

Refer Section 4.17

### 3.40 ESound - The Enlightened Sound Daemon - 0.2.36

Description:

Esound is an audio mixing server that allows multiple applications to output sound to the same audio device.

Available under the license:

GPL v2.0

Terms and Conditions:

Refer Section 4.16

### 3.41 Ethtool - 3.5

Description:

ethtool is the standard Linux utility for controlling network drivers and hardware, particularly for wired Ethernet devices

Available under the license:

GPL v2.0

Copyright (c):

1998 David S. Miller

Copyright (c):

2009, 2010 Solarflare Communications.

Terms and Conditions:

Refer Section 4.16

### 3.42 Evtest - 1.25

Description:

evtest is a open source tool that can be used for testing the USB HID class drivers and any other drivers based on event framework

Available under the license:

GPL v2.0

Copyright (c):

2009 Red Hat, Inc

Copyright (c):

1999-2000 Vojtech Pavlik

Terms and Conditions:

Refer Section 4.16

### 3.43 EXIF Tag Parsing Library – libexif - 0.6.21

Description:

libexif The EXIF library allows you to parse an EXIF file and read the data from those tags

Available under the license:

LGPL v2.1 License

Copyright (c):

2001 Lutz Mueller

Terms and Conditions:

Refer Section 4.24


### 3.44 Expat XML Parser - 2.1.0

Description:

Expat is an XML parser library written in C

Available under the license:

Expat License

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 19</b>

Copyright (c): 1998, 1999 Thai Open Source Software Center Ltd.  
Terms and Conditions: Refer Section 4.12

### 3.45 Ext2 Filesystems Utilities - 1.42.8

Description: The Ext2 Filesystem Utilities (e2fsprogs) contain all of the standard utilities for creating, fixing, configuring, and debugging ext2 file systems.

Available under the license: GPL v2.0  
Copyright (c): 1999 Theodore Ts'o.  
Terms and Conditions: Refer Section 4.16

### 3.46 FastLZ – 0.1.0

Description: FastLZ is a real-time data compression and decompression library.

Available under the license: MIT License  
Copyright (c): 2005-2007 Ariya Hidayat, ariya@kde.org.  
Terms and Conditions: Refer Section 4.29

### 3.47 Festival Speech Synthesis System - 2.1

Description: Festival offers a general framework for building speech synthesis systems as well as including examples of various modules

Available under the license: Festival Speech Synthesis System License  
Copyright (c): Centre for Speech Technology Research  
University of Edinburgh, UK  
Terms and Conditions: Refer Section 4.13

### 3.48 Filesystem in Userspace - 2.9.2, 2.9.3

Description: With FUSE it is possible to implement a fully functional filesystem in a userspace program.

Available under the license: GPL v2.0  
Copyright (c): 2001-2007 Miklos Szeredi  
Terms and Conditions: Refer Section 4.16


### 3.49 Fine Free File Command - 5.14

Description: The file command is "a file type guesser", that is, a command-line tool that tells you in words what kind of data a file contains.

Available under the license: Fine Free File Command License  
Copyright (c): Ian F. Darwin 1986-1995 Software written by Ian F. Darwin and others  
Terms and Conditions: Refer Section 4.14

### 3.50 FLAC-Free Lossless Audio Codec - 1.2.1

Description: FLAC stands for Free Lossless Audio Codec, an audio

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 20</b>

format similar to MP3, but lossless, meaning that audio is compressed in FLAC without any loss in quality

Available under the license: BSD 3-clause License  
 Copyright (c): Josh Coalson.  
 Terms and Conditions: Refer Section 4.8

### 3.51 Font Config - 2.10.2

Description: Fontconfig is a library for configuring and customizing font access.

Available under the license: MIT License  
 Copyright (c): Copyright (c) 2002 Keith Packard.  
 Terms and Conditions: Refer Section 4.29

### 3.52 Free Type – 2.5.3 & 2.4.10

Description: It is written in C, designed to be small, efficient, highly customizable, and portable while capable of producing high-quality output (glyph images) of most vector and bitmap font formats.

Available under the license: Free Type Project License  
 Copyright (c): David Turner, Robert Wilhelm, and Werner Lemberg.  
 Terms and Conditions: Refer Section 4.38

### 3.53 GCC C++ / libstdc++ - 4.8.1 ,4.8.3

Description: The GNU Compiler Collection (GCC) is a compiler system produced by the GNU Project supporting various programming languages.

Available under the license: GCC Runtime Library Exception 3.1 to GPL 3.0  
 Copyright (c): Free Software Foundation, Inc.  
 Terms and Conditions: Refer Section 4.15


### 3.54 GDK-Pixbuf - 2.28.2

Description: GdkPixbuf is a library for image loading and manipulation.

Available under the license: GNU Library General Public License v2 or later  
 Copyright (c): 1999 The Free Software Foundation.  
 Terms and Conditions: Refer Section 4.45

### 3.55 GENIVI Audio Manager - 1.1,3.2

Description: The AudioManager is a framework for managing audio in an In-Vehicle Infotainment (IVI) context.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 21</b>

Available under the license: Mozilla Public License 2.0  
 Copyright (c): 2012, BMW AG  
 Terms and Conditions: Refer Section 4.30

### 3.56 GENIVI Audio Manager –MIT 1.1,3.2

Description: The AudioManager is a framework for managing audio in an In-Vehicle Infotainment (IVI) context.  
 Available under the license: MIT  
 Terms and Conditions: Refer Section 4.29

### 3.57 GENIVI Diagnostic Log and Trace Daemon - 2.10.0

Description: GENIVI Diagnostic Log and Trace Daemon DLT is a reusable open source software component for standardized logging and tracing in infotainment ECUs based on the AUTOSAR 4.0 standard.  
 Available under the license: Mozilla Public License 2.0  
 Copyright (c): 2012, BMW AG.  
 Terms and Conditions: Refer Section 4.30

### 3.58 GENIVI IPC CommonAPI C++ DBus Runtime - 2.0.6


Description: CommonAPI C++ is an Inter Process Communication (IPC) language binding API for C++, which enables applications to use different IPC middleware as backend without any changes to the application code.  
 Available under the license: Mozilla Public License 2.0  
 Copyright (c): 2013 BMW Group  
 Terms and Conditions: Refer Section 4.30

### 3.59 GENIVI IPC CommonAPI C++ Runtime - 2.0.2, 2.1.4

Description: CommonAPI C++ is an Inter Process Communication (IPC) language binding API for C++, which enables applications to use different IPC middleware as backend without any changes to the application code.  
 Available under the license: Mozilla Public License 2.0  
 Copyright (c): 2013 BMW Group  
 Terms and Conditions: Refer Section 4.30

### 3.60 GENIVI IVI Layer Management – 0.9.7 & 1.2.0

Description: GENIVI IVI Layer Management to define a common API and provide a proof-of-concept implementation for the IVI Layer Management Service.  
 Available under the license: Apache License 2.0  
 Copyright (c): 2012 BMW Car IT GmbH  
 Terms and Conditions: Refer Section 4.2

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 22</b>

### 3.61 GENIVI Node Startup Controller - 1.0.2

Description:	GENIVI Node Startup Controller the Node Startup Controller (NSC) was introduced into the lifecycle package for GENIVI in order to handle some startup and shutdown functionality.
Available under the license:	Mozilla Public License 2.0
Copyright (c):	2012 GENIVI.
Terms and Conditions:	Refer Section 4.30

### 3.62 Giflib - A library for processing GIFs - 4.1.6

Description:	A library for processing GIFs - giflib 4.x giflib is a library for reading and writing gif images.
Available under the license:	X Consortium License
Copyright (c):	Gershon Elber, IBM PC Ver 0.1, Jun. 1989
Terms and Conditions:	Refer Section 4.41

### 3.63 Gladman AES

Description:	Brian Gladman's implementation of AES for Encryption and Decryption.
Available under the license:	BSD 2-clause License
Copyright (c):	2010, Brian Gladman, Worcester, UK.
Terms and Conditions:	Refer Section 4.7

### 3.64 Glib - 2.36.4, 2.38.2


Description:	Common C routines used by Gtk+ and other libs.
Available under the license:	GNU Library General Public License v2 or later
Copyright (c):	1995-1997 Peter Mattis, Kimball and Josh MacDonald
Terms and Conditions:	Refer Section 4.45

### 3.65 GNU Multiple Precision Arithmetic Library - 4.2.1

Description:	GMP is a free library for arbitrary precision arithmetic, operating on signed integers, rational numbers, and floating-point numbers.
Available under the license:	LGPL v2.1
Copyright (c):	Free Software Foundation, Inc.
Terms and Conditions:	Refer Section 4.24

### 3.66 Gnome Disk Utility - 2.32.0

Description:	It is an udisks graphical front-end included in the gnome-disk-utility package.
Available under the license:	GPL v2.0
Copyright (c):	2007 David Zeuthen.
Terms and Conditions:	Refer Section 4.16

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 23</b>

### 3.67 GNOME Keyring - 2.32.0

Description:	GNOME Keyring is a daemon application designed to take care of the user's security credentials, such as user names and passwords.
Available under the license:	LGPL v2.0 License
Copyright (c):	2007 Stefan Walter.
Terms and Conditions:	Refer Section 4.23

### 3.68 GNOME Libnotify - 0.6.0

Description:	Libnotify is a library that sends desktop notifications to a notification daemon, as defined in the Desktop Notifications spec.
Available under the license:	LGPL v2.1 License
Copyright (c):	2004-2006 Christian Hammond
Copyright (c):	2010 Red Hat, Inc.
Terms and Conditions:	Refer Section 4.24

### 3.69 GNU Bin Utils 2.17.50.0.12

Description:	The GNU Binutils are a collection of binary tools.
Available under the license:	GPL v2.0
Copyright (c):	Free Software Foundation, Inc.
Terms and Conditions:	Refer Section 4.16

### 3.70 GNU C Library – 2.19


Description:	The GNU C Library is used as the C library in the GNU systems and most systems with the Linux kernel.
Available under the license:	LGPL v2.1
Copyright (c):	1995-2012 Free Software Foundation, Inc
Terms and Conditions:	Refer Section 4.24

### 3.71 GNU Diff Utils - 2.8.1

Description:	GNU Diffutils is a package of several programs related to finding differences between files.
Available under the license:	GPL v2.0
Copyright (c):	Free Software Foundation, Inc
Terms and Conditions:	Refer Section 4.16

### 3.72 GNU Libtool - 2.4.2

Description:	GNU libtool is a generic library support script. Libtool hides the complexity of using shared libraries behind a consistent, portable interface
Available under the license:	LGPL V2.1
Copyright (c):	Free Software Foundation, Inc
Terms and Conditions:	Refer Section 4.24

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 24</b>

### 3.73 GNU Readline Library - 5.2

Description:

The GNU Readline library provides a set of functions for use by applications that allow users to edit command lines as they are typed in. Both Emacs and vi editing modes are available.

Available under the license:

GPL v2.0

Copyright (c):

Free Software Foundation, Inc

Terms and Conditions:

Refer Section 4.16

### 3.74 GnuPG - 1.4.7

Description:

GnuPG allows encrypting and signing your data and communication, features a versatile key management system as well as access modules for all kinds of public key directories.

Available under the license:

GPL v2.0

Copyright (c):

Free Software Foundation, Inc

Terms and Conditions:

Refer Section 4.16

### 3.75 GnuTLS - 2.12.23

Description:

GnuTLS is a secure communications library implementing the SSL, TLS and DTLS protocols and technologies around them.

Available under the license:

LGPL v2.1

Copyright (c):

Free Software Foundation, Inc.

Terms and Conditions:

Refer Section 4.24

### 3.76 Gst-fsl-plugins -2.0.3

Description:

Provides support for Freescale's ARM platforms for use with Open Embedded.

Available under the license:

LGPL v2.1

Copyright (c):

2008-2012, Freescale Semiconductor, Inc.

Terms and Conditions:

Refer Section 4.24

### 3.77 GStreamer - 0.10.36

Description:

GStreamer is a library for constructing graphs of media-handling components

Available under the license:

LGPL v2.1


Copyright (c):

2005 David Schleef

Terms and Conditions:

Refer Section 4.24



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 25</b>

### 3.78 GStreamer PLUGINS-BAD - 0.10.23

Description:	GStreamer is a library for constructing graphs of media-handling components
Available under the license:	LGPL v2.1
Copyright (c):	2011 Intel Corporation
Copyright (c):	2012 Mentor Graphics Corporation
Terms and Conditions:	Refer Section 4.24

### 3.79 GStreamer PLUGINS-BASE - 0.10.36

Description:	GStreamer is a library for constructing graphs of media-handling components
Available under the license:	LGPL v2.1
Copyright (c):	2005 David Schleef
Terms and Conditions:	Refer Section 4.24

### 3.80 GStreamer PLUGINS-GOOD - 0.10.31

Description:	GStreamer is a library for constructing graphs of media-handling components
Available under the license:	LGPL v2.1
Copyright (c):	2004 Benjamin Otte
Terms and Conditions:	Refer Section 4.24

### 3.81 GTK - 2.24.20

Description:	GTK+, or the GIMP Toolkit, is a multi-platform toolkit for creating graphical user interfaces
Available under the license:	LGPL v2.0 License
Copyright (c):	1995-1997 Peter Mattis, Kimball and Josh MacDonald
Terms and Conditions:	Refer Section 4.23

### 3.82 Gvfs - 1.10.1


Description:	GVFS provides a layer just below the user applications you use like firefox
Available under the license:	LGPL v2.1
Copyright (c):	2006-2007 Red Hat, Inc.
Terms and Conditions:	Refer Section 4.24

### 3.83 Gzip - 1.3.12

Description:	gzip (GNU zip) is a compression utility designed to be a replacement for compress
Available under the license:	GPL v2.0
Terms and Conditions:	Refer Section 4.16

### 3.84 Half - 1.11.0

Description:	This is a C++ header-only library to provide an IEEE 754 conformant 16-bit half-precision floating point type along with corresponding arithmetic operators, type
--------------	---

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 26</b>

Available under the license:	conversions and common mathematical functions.
Copyright (c):	MIT License
Terms and Conditions:	2012-2013 Christian Rau <rauy@users.sourceforge.net> Refer Section 4.29

### 3.85 HarfBuzz - 0.9.35

Description:	HarfBuzz is an OpenType text shaping engine.
Available under the license:	MIT License
Copyright (c):	2009 Red Hat, Inc.
Terms and Conditions:	Refer Section 4.29

### 3.86 HFS Utilities - 3.2.6

Description:	HFS is the “Hierarchical File System”, the native volume format used on modern Macintosh computers.
Available under the license:	GPL v2.0
Copyright (c):	1996-1998 Robert Leslie
Terms and Conditions:	Refer Section 4.16

### 3.87 Hidapi

Description:	Multi-Platform library for communication with HID devices
Available under the license:	BSD 2-Clause
Copyright (c):	2009, All Rights Reserved
Terms and Conditions:	Refer Section 4.7

### 3.88 ICU - International Components for Unicode – 4.6.1


Description:	ICU is a mature, widely used set of C/C++ and Java libraries providing Unicode and Globalization support for software applications
Available under the license:	ICU License
Copyright (c):	1997-2011, International Business
Terms and Conditions:	Refer Section 4.20

### 3.89 IEEE 802.1d ethernet bridging - 1.5

Description:	802.1D is the IEEE MAC Bridges standard which includes Bridging, Spanning Tree and others.
Available under the license:	GPL v2.0
Copyright (c):	2000 Lennert Buytenhek
Terms and Conditions:	Refer Section 4.16

### 3.90 Info-ZIP project - 3.0

Description:	Info-ZIP's purpose is to provide free, portable, high-quality versions of the Zip and UnZip compressor-
--------------	---

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 27</b>

archiver utilities that are compatible with the DOS-based PKZIP by PKWARE, Inc.

Available under the license: Info-ZIP License  
 Copyright (c): 1990-2008 Info-ZIP.  
 Terms and Conditions: Refer Section 4.48

### 3.91 IP Tables - 1.4.19.1

Description: iptables is a user space application program that allows a system administrator to configure the tables provided by the Linux kernel firewall (implemented as different Netfilter modules) and the chains and rules it stores

Available under the license: GPL v2.0  
 Copyright (c): 2000-2006 by the netfilter coreteam  
 Terms and Conditions: Refer Section 4.16

### 3.92 ISC BIND - 9.8.1, 9.9.5

Description: BIND is open source software that implements the Domain Name System (DNS) protocols for the Internet

Available under the license: ISC License  
 Copyright (c): 2004-2007, 2009 Internet Systems Consortium,  
 Terms and Conditions: Refer Section 4.18

### 3.93 ISC DHCP - 4.2.5-P1

Description: ISC DHCP is open source software that implements the Dynamic Host Configuration Protocol for connection to an IP network.

Available under the license: ISC License  
 Copyright (c): 2009-2010, 2012 Internet Systems Consortium, Inc. ("ISC")  
 Terms and Conditions: Refer Section 4.18

### 3.94 Itzam – 6.0.4


Description: Itzam creates and manipulates files containing variable-length, random access records.

Available under the license: BSD 2-clause "Simplified" License  
 Terms and Conditions: Refer Section 4.7

### 3.95 JasPer - 1.900.1

Description: The JasPer Project is an open-source initiative to provide a free software-based reference implementation of the codec specified in the JPEG-2000 Part-1 standard (i.e., ISO/IEC 15444-1)

Available under the license: JasPer License  
 Copyright (c): 1999-2000, Image Power, Inc.  
 Terms and Conditions: Refer Section 4.49

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 28</b>

### 3.96 JSON-C - 0.9, 0.11

Description: JSON (JavaScript Object Notation) is a lightweight data-interchange format.

Available under the license: MIT License

Copyright (c): 2004, 2005 Metaparadigm Pte. Ltd

Terms and Conditions: Refer Section 4.29

### 3.97 Keyutils - 1.5.5, 1.5.8

Description: Keyutils is a set of utilities for managing the key retention facility in the kernel, which can be used by filesystems, block devices and more to gain and retain the authorization and encryption keys required to perform secure operations.

Available under the license: GPL v2.0

Copyright (c): 2005, 2011 Red Hat, Inc.

Terms and Conditions: Refer Section 4.16

### 3.98 Kernel Configuration System

Description: This project is not part of the GNU Project.

Available under the license: GPL v2.0

Terms and Conditions: Refer Section 4.16

### 3.99 Khronos Group - OpenGL ES

Description: OpenGL® ES is a royalty-free, cross-platform API for full-function 2D and 3D graphics on embedded systems.

Available under the license: MIT License

Terms and Conditions: Refer Section 4.29

### 3.100 Kiss FFT - 1.3.0

Description: A Fast Fourier Transform based up on the principle, "Keep It Simple, Stupid." Kiss FFT is a very small, reasonably efficient, mixed radix FFT library that can use either fixed or floating point data types.

Available under the license: BSD 3-Clause

Copyright (c): 2003-2010 Mark Borgerding

Terms and Conditions: Refer Section 4.8


### 3.101 Kmod - 14.0

Description: The Kmod package contains libraries and utilities for loading kernel modules

Available under the license: GNU Lesser General Public License v2.1 or later

Copyright (c): 2011-2012 ProFUSION embedded systems

Terms and Conditions: Refer Section 4.24

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 29</b>

### 3.102 **LatencyTOP - 0.5**

Description:	LatencyTOP measures the average and maximum amount of latency in various operations by inserting annotation calls in the kernel.
Available under the license:	GPL v2.0
Copyright (c):	2008, Intel Corporation
Terms and Conditions:	Refer Section 4.16

### 3.103 **Lib Cap - 2.22**

Description:	The libcap package implements the user-space interfaces to the POSIX 1003.1e capabilities available in Linux kernels. These capabilities are a partitioning of the all powerful root privilege into a set of distinct privileges.
Available under the license:	BSD 3-clause License
Copyright (c):	1997-8 Andrew G Morgan
Terms and Conditions:	Refer Section 4.8

### 3.104 **libaio - 0.3.109-r2**


Description:	This is a library for accessing the new AIO system calls (asynchronous I/O) for the Linux kernel.
Available under the license:	GNU Library General Public License v2 or later
Copyright (c):	2002 Red Hat, Inc.
Terms and Conditions:	Refer Section 4.45

### 3.105 **Libatasmart - 0.19**

Description:	The libatasmart package is a disk reporting library. It only supports a subset of the ATA S.M.A.R.T. functionality.
Available under the license:	LGPL v2.1 License
Copyright (c):	2008 Lennart Poettering
Terms and Conditions:	Refer Section 4.24

### 3.106 **Libbsd - 0.3.0**

Description:	This library provides useful functions commonly found on BSD systems, and lacking on others like GNU systems, thus making it easier to port projects with strong BSD origins, without needing to embed the same code over and over again on each project.
Available under the license:	BSD 3-clause License
Copyright (c):	1996, David Mazieres
Terms and Conditions:	Refer Section 4.8

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 30</b>

### 3.107 **Libcroco - 0.6.8**

Description: The libcroco package contains a standalone CSS2 parsing and manipulation library.

Available under the license: LGPL v2.1 License

Copyright (c): 2003-2004 Dodji Seketeli.

Terms and Conditions: Refer Section 4.24

### 3.108 **Libdaemon - 0.14**

Description: The libdaemon package is a lightweight C library that eases the writing of UNIX daemons.

Available under the license: GNU Lesser General Public License v2.1 or later

Copyright (c): 2003-2008 Lennart Poettering.

Terms and Conditions: Refer Section 4.24

### 3.109 **Libdrm - 2.4.46**

Description: libdrm provides a user space library for accessing the DRM, direct rendering manager, on operating systems that support the ioctl interface.

Available under the license: MIT License

Copyright (c): 1999 Precision Insight, Inc.

Copyright (c): 2000 VA Linux Systems, Inc.

Terms and Conditions: Refer Section 4.29

### 3.110 **Libffi - 3.0.13**

Description: The libffi library provides a portable, high level programming interface to various calling conventions.

Available under the license: MIT License

Copyright (c): 2007, 2009, 2010 Red Hat, Inc.

Terms and Conditions: Refer Section 4.29

### 3.111 **Libgcrypt - 1.5.3**

Description: Libgcrypt is a general purpose cryptographic library based on the code from GnuPG.

Available under the license: LGPL v2.1

Copyright (c): Free Software Foundation, Inc


Terms and Conditions: Refer Section 4.24

### 3.112 **Libgpg-error Lib - 1.12**

Description: The libgpg-error package contains a library that defines common error values for all GnuPG components

Available under the license: LGPL v2.1 License

Copyright (c): 2003, 2004, 2010 g10 Code GmbH

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 31</b>

Terms and Conditions:

Refer Section 4.24

### 3.113 **Libjpeg – 8b, 8d**

Description:

Libjpeg is a widely used C library for reading and writing JPEG image files

Available under the license:

JPEG License

Copyright (c):

1994-1998, Thomas G. Lane.

Terms and Conditions:

Refer Section 4.22

### 3.114 **Libmtp - 1.1.5 & 1.1.6**

Description:

libmtp is an Initiator implementation of the Media Transfer Protocol (MTP) in the form of a library suitable primarily for POSIX compliant operating systems.

Available under the license:

LGPL v2.1

Copyright (c):

2005-2011 Linus Walleij

Terms and Conditions:

Refer Section 4.24

### 3.115 **Libnettle - nettle\_2.7\_release\_20130424**

Description:

Nettle is a cryptographic library that is designed to fit easily in more or less any context: In crypto toolkits for object-oriented languages (C++, Python, Pike ...), in applications like LSH or GNUPG, or even in kernel space.

Available under the license:

LGPL v2.1

Copyright (c):

2002 Niels Moller

Terms and Conditions:

Refer Section 4.24

### 3.116 **Libnfsidmap - 0.25**

Description:

Library to help mapping id's, mainly for NFSv4.

Available under the license:

BSD 3-clause License

Copyright (c):

2004 The Regents of the University of Michigan.

Terms and Conditions:

Refer Section 4.8

### 3.117 **Libnl - Netlink Library - 3.2.22**

Description:

The libnl suite is a collection of libraries providing APIs to netlink protocol based Linux kernel interfaces

Available under the license:


LGPL v2.1

Copyright (c):

2003-2012 Thomas Graf

Terms and Conditions:

Refer Section 4.24

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 32</b>

### 3.118 Libogg - 1.3.1

Description:	The libogg package contains the Ogg file structure. This is useful for creating (encoding) or playing (decoding) a single physical bit stream.
Available under the license:	BSD 3-clause License
Copyright (c):	1994-2010 Xiph.Org Foundation
Terms and Conditions:	Refer Section 4.8

### 3.119 Librsvg – 2.32.1, 2.40.1

Description:	librsvg is a free software SVG rendering library written as part of the GNOME project, intended to be lightweight and portable of whether it is static or virtual.
Available under the license:	GNU Library General Public License v2 or later
Copyright (c):	2000 Eazel, Inc
Copyright (c):	2002-2005 Dom Lachowicz
Terms and Conditions:	Refer Section 4.45

### 3.120 Libsigc++ - 2.2.11

Description:	libsigc++ implements a typesafe callback system for standard C++. It allows you to define signals and to connect those signals to any callback function, either global or a member function, regardless of whether it is static or virtual.
Available under the license:	LGPL v2.1 License
Copyright (c):	Tero Pulkkinen
Terms and Conditions:	Refer Section 4.24


### 3.121 Libsndfile - 1.0.25

Description:	Lsndfile is a library of C routines for reading and writing files containing sampled audio data.
Available under the license:	LGPL v2.1
Copyright (c):	1999-2011 Erik de Castro Lopo
Copyright (c):	2005 David Viens
Terms and Conditions:	Refer Section 4.24

### 3.122 Libsoup - 2.42.1

Description:	The libsoup is HTTP client/server library for GNOME. It uses GObject and the GLib main loop to integrate with GNOME applications and it also has asynchronous API for use in threaded applications
Available under the license:	GNU Library General Public License v2 or later
Copyright (c):	2010 Red Hat, Inc.
Terms and Conditions:	Refer Section 4.45



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 33</b>

### 3.123 Libtaginfo – 0.1.6

Description: It is a library for reading media metadata (tags).  
Available under the license: LGPLv2.1  
Copyright (c): 2008-2013 J.Rios  
Copyright (c): 2013 -2014 Jorn Magens  
Terms and Conditions: Refer section 4.24

### 3.124 Libtheora - 1.1.1

Description: libtheora is a reference implementation of the Theora video compression format being developed by the Xiph.Org Foundation  
Available under the license: libtheora License  
Copyright (c): 2002-2009 Xiph.Org Foundation  
Terms and Conditions: Refer Section 4.26

### 3.125 Libtiff - 4.0.3


Description: The LibTIFF package contains the TIFF libraries and associated utilities. The libraries are used by many programs for reading and writing TIFF files and the utilities are used for general work with TIFF files.  
Available under the license: Tiff License  
Copyright (c): 1991-1997 Sam Leffler.  
Copyright (c): 1991-1997 Silicon Graphics, Inc.  
Terms and Conditions: Refer Section 4.39

### 3.126 LIBUNIBREAK – 2.1

Description: Libunibreak is an implementation of the line breaking and word breaking algorithms as described in Unicode Standard Annex 14 and Unicode Standard Annex 29.  
Available under the license: Zlib License  
Copyright (c): 2008-2012 Wu Yongwei  
Copyright (c): 2012 Tom Hacoen  
Terms and Conditions: Refer Section 4.42

### 3.127 Libunwind - 1.1

Description: Used to define a portable and efficient C programming interface (API) to determine the call-chain of a program.  
Available under the license: MIT License  
Copyright (c): 2008 CodeSourcery  
Terms and Conditions: Refer Section 4.29

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 34</b>

### 3.128 Libusb - 1.0.9

Description:	The libusb package contains a library used by some applications for USB device access.
Available under the license:	LGPL v2.1
Copyright (c):	2007-2008 Daniel Drake
Copyright (c):	2001 Johannes Erdfelt
Terms and Conditions:	Refer Section 4.24

### 3.129 Libvorbis - 1.3.3

Description:	The libvorbis package contains a general purpose audio and music encoding format. This is useful for creating (encoding) and playing (decoding) sound in an open (patent free) format
Available under the license:	BSD 3-clause License
Copyright (c):	1994-2007 Xiph.Org Foundation
Terms and Conditions:	Refer Section 4.8

### 3.130 LibX11 - 1.6.1


Description:	It provides a complete API for the basic functions of the window system.
Available under the license:	X11 License
Copyright (c):	1986, 1998 The Open Group
Terms and Conditions:	Refer Section 4.46

### 3.131 LibXau - 1.0.7

Description:	The libXau package contains a library implementing the X11 Authorization Protocol. This is useful for restricting client access to the display.
Available under the license:	MIT License
Copyright (c):	1988, 1998 The Open Group
Terms and Conditions:	Refer Section 4.29

### 3.132 LibXdmcp - 1.1.1

Description:	The libXdmcp package contains a library implementing the X Display Manager Control Protocol. This is useful for allowing clients to interact with the X Display Manager.
Available under the license:	X11 License
Copyright (c):	1989, 1998 The Open Group
Terms and Conditions:	Refer Section 4.46

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 35</b>

### 3.133 LibXext - 1.3.2

Description:	LibXext provides an X Window System client interface to several extensions to the X protocol, including DOUBLE-BUFFER (DBE), DPMS, Extended-Visual-Information (EVI), LBX, MIT-SHM, MIT-SUNDRY-NONSTANDARD, Multi-Buffering, SECURITY, SHAPE, SHAPE, SYNC, TOG-CUP, XC-APPGROUP, XC-MISC, XTEST and possibly others
Available under the license:	X11 License
Copyright (c):	1996 Digital Equipment Corporation, Maynard, Massachusetts.
Terms and Conditions:	Refer Section 4.46

### 3.134 Libxkbcommon - 0.3.1

Description:	libXi provides an X Window System client interface to the XINPUT extension to the X protocol.
Available under the license:	MIT License
Copyright (c):	1989, 1998 The Open Group
Terms and Conditions:	Refer Section 4.29

### 3.135 Libxslt - 1.1.28


Description:	Libxslt is the XSLT C library developed for the GNOME project. XSLT itself is an XML language to define transformation for XML.
Available under the license:	MIT License
Copyright (c):	2001-2002 Daniel Veillard
Terms and Conditions:	Refer Section 4.29

### 3.136 Lighttpd - 1.4.32

Description:	Lighttpd is a free web server designed for speed, with all the essential functions of a web server.
Available under the license:	BSD 3-clause License
Terms and Conditions:	Refer Section 4.8

### 3.137 Linux Diagnostic Tools – sysfsutils - 2.1.0

Description:	These are a set of utilities built upon sysfs, a new virtual filesystem in Linux kernel versions 2.5+ that exposes a system's device tree
Available under the license:	LGPL v2.1
Copyright (c):	IBM Corp. 2003-2005
Terms and Conditions:	Refer Section 4.24

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 36</b>

### 3.138 **Linux DiskQuota - 4.01-r1.1**

Description:	Tools and patches for the Linux Diskquota system as part of the Linux kernel
Available under the license:	GPL v2.0
Copyright (c):	1980, 1990 Regents of the University of California. All rights reserved.
Terms and Conditions:	Refer Section 4.16

### 3.139 **Linux Kernel – 3.8**

Description:	Linux is a clone of the operating system Unix, written from scratch by Linus Torvalds with assistance from a loosely-knit team of hackers across the Net. It aims towards POSIX and Single UNIX Specification compliance.
Available under the license:	GPL v2.0 Only
Copyright (c):	1999 Andrea Arcangeli
Copyright (c):	2002 David Woodhouse
Copyright (c):	2012 Michel Lespinasse
Terms and Conditions:	Refer Section 4.17

### 3.140 **Lmbench - 3.0**

Description:	Lmbench is a suite of simple, portable, ANSI/C microbenchmarks for UNIX/POSIX.
Available under the license:	GPL v2.0 only
Terms and Conditions:	Refer Section 4.17

### 3.141 **LTTng - 2.3.0**


Description:	Linux Trace Toolkit Next Generation. The LTTng project aims at providing highly efficient tracing tools for Linux.
Available under the license:	GPL v2.0
Copyright (c):	2004 Nik Clayton
Terms and Conditions:	Refer Section 4.16

### 3.142 **Lua-5 v5.1.4 & v5.2.3**

Description:	Lua is a powerful, fast, lightweight, embeddable scripting language.
Available under the license:	Lua License
Copyright (c):	1994–2013 Lua.org, PUC-Rio
Terms and Conditions:	Refer section 4.28

### 3.143 **LZO - 2.06**

Description:	LZO is a data compression library which is suitable for
--------------	---

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 37</b>

data decompression and compression in real-time. This means it favors speed over compression ratio.

Available under the license: GPL v2.0  
 Copyright (c): 1996 Markus Franz Xavier Johannes  
 Terms and Conditions: Refer Section 4.16

### 3.144 LZ4 Compression algorithm – 1.3.1

Description: LZ4 is a lossless data compression algorithm that is focused on compression and decompression speed.

Available under the license: BSD-2 clause License.  
 Copyright (c): Copyright (C) 2011-2014, Yann Collet.  
 Terms and Conditions: Refer Section 4.7

### 3.145 mDNSResponder - 544

Description: The mDNSResponder project is a component of Bonjour, Apple's ease-of-use IP networking initiative.

Available under the license: Apache License.2.0  
 Copyright (c): 2011 Apple Inc. All rights reserved.  
 Terms and Conditions: Refer Section 4.2

### 3.146 MMC-Utills – 0.1

Description: Userspace tools for MMC/SD devices

Available under the license: GPL 2.0 Only  
 Terms and Conditions: Refer Section 4.17

### 3.147 Mosquitto: an mqtt message broker - 1.3.4

Description: Mosquitto is an open source message broker that implements the mqtt protocol version 3.1

Available under the license: BSD 3-clause License.  
 Copyright (c): 2009,2010 Roger Light  
 Terms and Conditions: Refer Section 4.8

### 3.148 Mozilla Thunderbird


Description: Thunderbird is a free email application that's easy to set up and customize - and it's loaded with great features.

Available under the license: Mozilla Public License 2.0  
 Terms and Conditions: Refer Section 4.30

### 3.149 Mozjs - 17.0

Description: mozjs is intended to be embedded in other applications that provide host environments for JavaScript.

Available under the license: Mozilla Public License 2.0  
 Copyright (c): 2008 Apple Inc. All rights reserved.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 38</b>

Terms and Conditions:

Refer Section 4.30

### 3.150 **Mtd-utils - 1.5.0**

Description:

MTD subsystem (stands for Memory Technology Devices) provides an abstraction layer for raw flash devices

Available under the license:

GPL v2.0

Terms and Conditions:

Refer Section 4.16

### 3.151 **Mtdev - 1.1.3**

Description:

The mtdev package contains Multitouch Protocol Translation Library which is used to transform all variants of kernel MT (Multitouch) events to the slotted type B protocol.

Available under the license:

MIT License

Copyright (c):

2010 Henrik Rydberg

Copyright (c):

2010 Canonical Ltd

Terms and Conditions:

Refer Section 4.29

### 3.152 **multilib\_header\_wrapper**

Description:

Multilib\_header\_wrapper

Available under the license:

MIT License

Terms and Conditions:

Refer Section 4.29

### 3.153 **Ncurses - 5.9**

Description:

The Ncurses (new curses) library is a free software emulation of curses in System V Release 4.0, and more.

Available under the license:

MIT License

Copyright (c):

1996-2012,2013 Thomas E. Dickey

Terms and Conditions:

Refer Section 4.29

### 3.154 **Netscape Portable Runtime (NSPR) - 4.10**

Description:

**NSPR** provides a platform-neutral API for system level and libc-like functions. The API is used in the Mozilla clients, many of Red Hat's and Sun's server applications, and other software offerings.

Available under the license:

Mozilla Public License 2.0

Copyright (c):

2005-2013 Mozilla Developer Network


Terms and Conditions:

Refer Section 4.30

### 3.155 **NFS - nfs-utils - 1.2.8**

Description:

The NFS Utilities package contains the userspace server and client tools necessary to use the kernel's NFS abilities. NFS is a protocol that allows sharing file

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 39</b>

Available under the license:	systems over the network GPL v2.0
Copyright (c):	1995, 1996 Olaf Kirch
Terms and Conditions:	Refer Section 4.16

### 3.156 NTFS-3G Read/Write Driver - 2013.1.13

Description:	The NTFS-3G driver is a freely and commercially available and supported read/write NTFS driver for Linux, FreeBSD, Mac OS X, NetBSD, Solaris, Haiku, and other operating systems.
Available under the license:	GPL v2.0
Copyright (c):	2000-2004 Anton Altaparmakov
Copyright (c):	2004-2005 Richard Russon
Copyright (c):	2004-2008 Szabolcs Szakacsits
Copyright (c):	2005 Yura Pakhuchiy
Terms and Conditions:	Refer Section 4.16

### 3.157 OECore - 2011-1


Description:	OpenEmbedded-Core is a layer containing the core metadata for current versions of openEmbedded. It is distro-less and contains only emulated machine support
Available under the license:	MIT License
Copyright (c):	2008-2011 Intel.
Terms and Conditions:	Refer Section 4.29

### 3.158 OFono - 1.12

Description:	oFono is a free software project for mobile telephony (GSM/UMTS) applications.
Available under the license:	GPL v2.0
Copyright (c):	2008-2011 Intel Corporation.
Terms and Conditions:	Refer Section 4.16

### 3.159 Open Scene Graph - 3.0.1

Description:	The OpenSceneGraph is an open source high performance 3D graphics toolkit, used by application developers in fields such as visual simulation, games, virtual reality, and scientific visualization and modelling.
Available under the license:	OpenSceneGraph Public License, Version 0.0
Copyright (c):	2002 Robert Osfield
Copyright (c):	1998 Julian Smart, Robert Roebling
Terms and Conditions:	Refer Section 4.45

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 40</b>

### 3.160 **OpenSSH - 6.2p2**

Description: OpenSSH is a FREE version of the SSH connectivity tools that technical users of the Internet rely on.

Available under the license: BSD 3-clause License

Copyright (c): 1994 Tatu Ylonen

Terms and Conditions: Refer Section 4.8

### 3.161 **OpenSSL - 1.0.1e**

Description: The OpenSSL Project is a collaborative effort to develop a robust, commercial-grade, full-featured, and Open Source toolkit implementing the Secure Sockets Layer (SSL v2/v3) and Transport Layer Security (TLS v1) protocols as well as a full-strength general purpose cryptography library.

Available under the license: OpenSSL Combined License

Copyright (c): 1998-2011 The OpenSSL Project

Copyright (c): 1995-1998 Eric A. Young, Tim J. Hudson

Terms and Conditions: Refer Section 4.32

### 3.162 **Opkg - 0.1.8, 0.2.1**

Description: Opkg is a lightweight package management system.

Available under the license: GPL v2.0

Copyright (c): 2003 kernel concepts Carl D. Worth

Copyright (c): 2001 University of Southern California

Terms and Conditions: Refer Section 4.16

### 3.163 **OProfile - 0.9.8**

Description: OProfile is a low-overhead, transparent profiler for Linux, capable of instruction-grain profiling of all processes, shared libraries, the kernel and device drivers, via the hardware performance counters.

Available under the license: GPL v2.0

Copyright (c): 2002 OProfile authors

Terms and Conditions: Refer Section 4.16

### 3.164 **P7v - 0.2-r2**

Description: Program for verifying PKCS#7 packages

Available under the license: LGPL v2.1 License


Copyright (c): 1995 Patrick Powell.

Terms and Conditions: Refer Section 4.24

### 3.165 **PCRE - 8.30,8.33**

Description: The PCRE library is a set of functions that implement



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 41</b>

regular expression pattern matching using the same syntax and semantics as Perl 5.  
 Available under the license: PCRE 5 License  
 Copyright (c): 1997-2013 University of Cambridge  
 Terms and Conditions: Refer Section 4.33

### 3.166 **Perl - 5.14.3**

Description: Practical Extraction and Report Language. Perl is a family of high-level, general-purpose, interpreted, dynamic programming languages  
 Available under the license: GPL V2.0  
 Copyright (c): Larry Wall and others  
 Terms and Conditions: Refer Section 4.16

### 3.167 **Pkg Config - 0.28**

Description: pkg-config is a helper tool used when compiling applications and libraries.  
 Available under the license: GPL v2.0  
 Copyright (c): 2001, 2002 Red Hat Inc  
 Terms and Conditions: Refer Section 4.16

### 3.168 **PNG reference library - 1.6.10, 1.4.5, 1.6.8, 1.5.13**


Description: Reference library for supporting the Portable Network Graphics (PNG) format.  
 Available under the license: libpng license  
 Copyright (c): 1998-2011 Glenn Randers-Pehrson  
 Terms and Conditions: Refer Section 4.25

### 3.169 **PolicyKit - 0.111**

Description: PolicyKit is an application-level toolkit for defining and handling the policy that allows unprivileged processes to speak to privileged processes, in order to grant some user the right to perform some tasks in some situation (using ConsoleKit).  
 Available under the license: GNU Library General Public License v2 or later  
 Copyright (c): 2008-2010 Red Hat, Inc.  
 Terms and Conditions: Refer Section 4.45

### 3.170 **Popt - 1.16**

Description: The popt package contains the popt libraries which are used by some programs to parse command-line options  
 Available under the license: XConsortium License  
 Copyright (c): 1998 Red Hat Software  
 Terms and Conditions: Refer Section 4.41

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 42</b>

### 3.171 Port Map - 6.0

Description:	It is an Open Network Computing Remote Procedure Call (ONC RPC) service that runs on network nodes that provide other ONC RPC services
Available under the license:	BSD-4-Clause(University of California – Specific)
Copyright (c):	1990 The Regents of the University of California.
Terms and Conditions:	Refer Section 4.4

### 3.172 PostgreSQL Database Server - 9.2.4

Description:	PostgreSQL is a powerful, open source object-relational database system
Available under the license:	PostgreSQL License
Copyright (c):	1996-2009, PostgreSQL Global Development Group
Terms and Conditions:	Refer Section 4.34

### 3.173 PPP - Pauls PPP Package - 2.4.5, 2.4.6

Description:	ppp (Paul's PPP Package) is an open source package which implements the Point-to-Point Protocol (PPP) on Linux and Solaris systems.
Available under the license:	BSD 2-clause License
Copyright (c):	2006,2007,2008 Katalix Systems Ltd
Terms and Conditions:	Refer Section 4.7

### 3.174 Protobuf – 2.3.0 & 2.5.0


Description:	Protocol Buffers are a method of serializing structured data. They are useful in developing programs to communicate with each other over a wire or for storing data.
Available under the license:	BSD 3 Clause
Copyright (c):	2008 Google Inc
Terms and Conditions:	Refer Section 4.8

### 3.175 Psmisc - 22.20, 22.21

Description:	This PSmisc package is a set of some small useful utilities that use the proc filesystem
Available under the license:	GPL v2.0
Copyright (c):	1993-2002 Werner Almesberger
Copyright (c):	2002-2012 Craig Small
Terms and Conditions:	Refer Section 4.16

### 3.176 PulseAudio - 4.0

Description:	PulseAudio is a free cross-platform network sound server, targeting mostly POSIX-compliant operating systems
--------------	--

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 43</b>

Available under the license: LGPL v2.1  
 Copyright (c): 2004-2006 Lennart Poettering  
 Terms and Conditions: Refer Section 4.24

### 3.177 **Py2cairo - 1.10.0**

Description: Pycairo is a set of Python bindings for the Cairo graphics library.  
 Available under the license: LGPL v2.1  
 Copyright (c): 2003 James Henstridge, Steven Chaplin  
 Terms and Conditions: Refer Section 4.24

### 3.178 **Python - 2.7.3**

Description: Python is a programming language that lets you work more quickly and integrate your systems more effectively  
 Available under the license: Python License 2.0  
 Copyright (c): 1991-1995 Stichting Mathematisch Centrum, Amsterdam.  
 Terms and Conditions: Refer Section 4.35

### 3.179 **Python bindings for GObject - 2.27.91**

Description: This package will bring the two versions of GObject Python modules: the deprecated gobject module, and the new gobject-introspection system.  
 Available under the license: LGPL v2.1  
 Copyright (c): 1998-2003 James Henstridge  
 Terms and Conditions: Refer Section 4.24

### 3.180 **QT - 4.8.5, 5.4.0, 5.2.1**

Description: Qt GUI Toolkit  
 Available under the license: LGPL 2.1  
 Terms and Conditions: Refer section 4.24

### 3.181 **Qt3D**


Description: Qt3D  
 Available under the license: LGPLv2.1  
 Terms and Conditions: Refer section 4.24

### 3.182 **RBTree algorithm**

Description: RBTree algorithm.  
 Available under the license: Public Domain  
 Terms and Conditions: Refer Section 4.44

### 3.183 **RPCBind - 0.2.0-r4**

Description: The rpcbind program is a replacement for portmap. It is

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 44</b>

required for import or export of Network File System (NFS) shared directories  
 Available under the license: GPL v2.0  
 Copyright (c): 2009, Sun Microsystems, Inc.  
 Terms and Conditions: Refer Section 4.16

### 3.184 **RFC1321-based (RSA-free) MD5 library[libmd5-rfc] – v1.6**

Description: This is a very small C library implementing RFC1321, the MD5 message digest function. Unlike the existing W3C libmd5, it was written from the specifications (not the sample code) in RFC1321, and therefore is not required to acknowledge RSA in any way.  
 Available under the license: zlib/libpng license  
 Copyright (c): 2002 Aladdin Enterprises.  
 Terms and Conditions: Refer section 4.42

### 3.185 **Rsync - 2.6.9**

Description: rsync is an open source utility that provides fast incremental file transfer.  
 Available under the license: GPL v2.0  
 Copyright (c): 1996-2001 Andrew Tridgell  
 Copyright (c): 2001, 2002 Martin Pool  
 Terms and Conditions: Refer Section 4.16

### 3.186 **SDC**


Description: Secure Data Controller for base64 encode & Decode.  
 Available under the license: Apache License 1.1  
 Terms and Conditions: Refer Section 4.47

### 3.187 **Secret Rabbit Code - 0.1.8**

Description: Secret Rabbit Code is a Sample Rate Converter for audio. It is available as a library to convert the sampling rate of PCM audio data.  
 Available under the license: GPL v2.0  
 Copyright (c): 2002-2011 Erik de Castro Lopo  
 Terms and Conditions: Refer Section 4.16

### 3.188 **Sg3\_utils - 1.31**

Description: The sg3\_utils package contains utilities that send SCSI commands to devices. As well as devices on transports traditionally associated with SCSI (e.g. Fibre Channel (FCP), Serial Attached SCSI (SAS) and the SCSI Parallel  
 Available under the license: GPL v2.0  
 Copyright (c): 1999-2010 Douglas Gilbert.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 45</b>

Terms and Conditions:

Refer Section 4.16

### 3.189 **Shadow - 4.1.4.3**

Description:

The Shadow package contains programs for handling passwords in a secure way

Available under the license:

BSD 3-clause License

Copyright (c):

1990 - 1994, Julianne Frances Haugh

Copyright (c):

1996 - 2000, Marek Michalkiewicz

Copyright (c):

2007 - 2009, Nicolas François

Terms and Conditions:

Refer Section 4.8

### 3.190 **Shared Mime - 1.1-r1**

Description:

The shared-mime-info package contains the core database of common types and the update-mime-database command used to extend it.

Available under the license:

GPL v2.0

Copyright (c):

2003 Thomas Leonard

Terms and Conditions:

Refer Section 4.16

### 3.191 **Speex - 1.2rc1**

Description:

Speex is software, which is patent-free audio compression format designed for speech.

Available under the license:

BSD 3-clause License

Copyright (c):

2002 Jean-Marc Valin

Terms and Conditions:

Refer Section 4.8

### 3.192 **SQLite – 3.7.3, 3.7.15.2, 3.8.0.1, 3.7.17**

Description:

An Embeddable SQL Database Engine

Available under the license:

Public Domain

Terms and Conditions:

Refer Section 4.44

### 3.193 **Squashfs - 4.2**

Description:

Squashfs is a highly compressed read-only filesystem for Linux. Squashfs compresses both files, inodes and directories, and supports block sizes up to 1Mbytes for greater compression

Available under the license:

GPL v2.0

Copyright (c):

2009, 2010, 2011 Phillip Lougher

Terms and Conditions:

Refer Section 4.16


### 3.194 **Strace - 4.8**

Description:

strace is a system call tracer, i.e. a debugging tool which prints out a trace of all the system calls made by another process/program.

Available under the license:

BSD 3-clause License

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 46</b>

Copyright (c): 1991, 1992 Paul Kranenburg  
Terms and Conditions: Refer Section 4.8

### 3.195 **Svg common & resource**

Description: svg common & resource files  
Available under the license: MIT  
Copyright (c): 2003 – 2011 ADIT Corporation  
Terms and Conditions: Refer Section 4.29

### 3.196 **System Tap - 2.3**

Description: SystemTap is an infrastructure to simplify the gathering of information about the running Linux system. This assists diagnosis of a performance or functional problem  
Available under the license: GPL v2.0  
Copyright (c): 2005-2007 Red Hat Inc.  
Terms and Conditions: Refer Section 4.16

### 3.197 **Systemd - 206**

Description: systemd is a system and service manager for Linux, compatible with SysV and LSB init scripts. Systemd provides aggressive parallelization capabilities.  
Available under the license: LGPL v2.1  
Copyright (c): 2010 Lennart Poettering  
Copyright (c): 2010 ProFUSION embedded systems  
Terms and Conditions: Refer Section 4.24

### 3.198 **Tadween – 1.0.4**


Description: Tadween is a powerful multilingual application allowing users to write Arabic in applications that support Unicode but doesn't fully support Arabic.  
Available under the license: MIT  
Copyright (c): 2009 Mohammad Arabix  
Terms and Conditions: Refer Section 4.29

### 3.199 **TagLib – 1.7 & 1.8**

Description: TagLib is a library for reading and editing the meta-data of several popular audio formats.  
Available under the license: LGPL v2.1  
Copyright (c): 2011 Mathias Panzenböck  
Terms and Conditions: Refer Section 4.24

### 3.200 **TCP Wrappers - 7.6**

Description: *TCP Wrapper* is a host-based networking ACL system,

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 47</b>

used to filter network access to Internet Protocol servers on (Unix-like) operating systems such as Linux  
 Available under the license: TCP Wrappers License  
 Copyright (c): Author: Wietse Venema, Eindhoven University of Technology,  
 Terms and Conditions: Refer Section 4.37

### 3.201 **The libpcap project - 1.4.0, 1.5.3**

Description: It is a system-independent interface for user-level packet capture.  
 Available under the license: BSD 3-clause License  
 Copyright (c): 1997-8 Andrew G Morgan  
 Terms and Conditions: Refer Section 4.8

### 3.202 **The PCI Utilities - 3.2.0**

Description: The PCI Utilities are a collection of programs for inspecting and manipulating configuration of PCI devices, all based on a common portable library *libpci* which offers access to the PCI configuration space on a variety of operating systems.  
 Available under the license: GPL v2.0  
 Copyright (c): 1997--2013 Martin Mares  
 Terms and Conditions: Refer Section 4.16

### 3.203 **The tcpdump project - 4.3.0**


Description: It is a tool for network monitoring, protocol debugging and data acquisition.  
 Available under the license: BSD 3-clause License  
 Copyright (c): The Regents of the University of California.  
 Terms and Conditions: Refer Section 4.8

### 3.204 **Threaded I/O Tester - 0.3.3**

Description: Portable, fully-threaded I/O benchmark program  
 Available under the license: GPL v2.0  
 Copyright (c): Randy Hron  
 Terms and Conditions: Refer Section 4.16

### 3.205 **TinyXML – 2.6.2**

Description: TinyXML is a simple, small, minimal, C++ XML parser.  
 Available under the license: Zlib License  
 Copyright (c): Lee Thomason  
 Terms and Conditions: Refer section 4.42

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 48</b>

### 3.206 Totem Playlist Parser - 3.4.5

Description: It is a general-purpose playlist parser and writer, with support for several different types of playlist.

Available under the license: GNU Library General Public License v2 or later

Copyright (c): 2010 Bastien Nocera

Copyright (c): 2010 William Pitcock

Terms and Conditions: Refer Section 4.45

### 3.207 Trace-cmd - 1.2

Description: Command line reader for ftrace.

Available under the license: GPL v2.0

Copyright (c): 2009 Red Hat Inc,

Terms and Conditions: Refer Section 4.16

### 3.208 Tracker - 0.14.2

Description: Tracker is a personal search tool and storage system that allows you to search and enhance your personal data with the minimum of fuss

Available under the license: GPL v2.0

Copyright (c): 2009, Nokia

Terms and Conditions: Refer Section 4.16

### 3.209 Tslib - 1.0

Description: It is an abstraction layer for touchscreen panel events, as well as a filter stack for the manipulation of those events

Available under the license: LGPL v2.1

Copyright (c): 2001 Russell King

Terms and Conditions: Refer Section 4.24

### 3.210 UBoot

Description: U-Boot (Universal Bootloader) is an open source, primary boot loader used in embedded devices.

Available under the license: GPL v2.0

Terms and Conditions: Refer section 4.16

### 3.211 Udev - Userspace Device Management Daemon

Description: Interface to udev device information

Available under the license: LGPL v2.1


Copyright (c): 2008-2009 Kay Sievers

Terms and Conditions: Refer Section 4.24

### 3.212 Udisks - 1.0.4

Description: Udisk is a daemon, udisksd that implements well-



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 49</b>

defined D-Bus interfaces that can be used to query and manipulate storage devices

Available under the license: GPL v2.0  
 Copyright (c): 2008 David Zeuthen  
 Terms and Conditions: Refer Section 4.16

### 3.213 Unzip - 6.0

Description: UnZip is an extraction utility for archives compressed in .zip format (also called "zipfiles").

Available under the license: Info-ZIP Updated License  
 Copyright (c): 1990-2009 Info-ZIP.  
 Terms and Conditions: Refer Section 4.19

### 3.214 USB Utils - 007

Description: The USB Utils package contains an utility used to display information about USB buses in the system and the devices connected to them

Available under the license: GPL v2.0  
 Copyright (c): 1999-2001, 2003 Thomas Sailer  
 Copyright (c): 2003-2005 David Brownell  
 Terms and Conditions: Refer Section 4.16

### 3.215 Userspace-rcu - 0.7.7

Description: liburcu is a LGPLv2.1 userspace RCU (read-copy-update) library.

Available under the license: LGPL v2.1  
 Copyright (c): 2010 Mathieu Desnoyers  
 Terms and Conditions: Refer Section 4.24

### 3.216 Util-Linux - 2.23.2


Description: Util-linux is a suite of essential utilities for any Linux system.

Available under the license: GPL v2.0  
 Copyright (c): 2008 Roy Peled.  
 Copyright (c): 2004-2006 by Michael Holzt.  
 Terms and Conditions: Refer Section 4.16

### 3.217 WavPack Lossless Audio Compressor - 4.60.1

Description: WavPack is a free, fast, flexible and featureful encoder and decoder for audio streams.

Available under the license: BSD 3-clause License  
 Copyright (c): 1998 - 2006 Conifer Software.  
 Terms and Conditions: Refer Section 4.8

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 50</b>

### 3.218 **Wayland - 1.2.0**

Description: Wayland is a protocol for a compositor to talk to its clients as well as a C library implementation of that protocol.

Available under the license: BSD 3-clause License

Copyright (c): 2008 Kristian Hogsberg

Terms and Conditions: Refer Section 4.8

### 3.219 **Wireless-tools – 29, 30**

Description: The Wireless Extension (WE) is a generic API allowing a driver to expose to the user space configuration and statistics specific to common Wireless LANs

Available under the license: GPL v2.0

Copyright (c): 1997-2007 Jean Tourrilhes

Terms and Conditions: Refer Section 4.16

### 3.220 **Wpa\_supplicant - 2.0**

Description: It implements key negotiation with a WPA Authenticator and it controls the roaming and IEEE 802.11 authentication/association of the wlan driver

Available under the license: GPL v2.0

Copyright (c): 2002-2008, Jouni Malinen

Terms and Conditions: Refer Section 4.16

### 3.221 **X.org – xtrans - 1.2.7**

Description: The X.Org project provides an open source implementation of the X Window System.

Available under the license: MIT License

Copyright (c): 1993, 1994, 1998 The Open Group

Terms and Conditions: Refer Section 4.29

### 3.222 **XCB - 1.9.1**

Description: The X protocol C-language Binding (XCB) is a replacement for Xlib featuring a small footprint

Available under the license: MIT License


Copyright (c): 2001-2004 Bart Massey and Jamey Sharp.

Terms and Conditions: Refer Section 4.29

### 3.223 **xml parser generator**

Description: Basic XML parser generator

Available under the license: BSD 2-Clause

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 51</b>

Copyright (c): 2002, Frank Vanden Berghen.  
Terms and Conditions: Refer Section 4.7

### 3.224 **XZ Utils - 5.1.2**

Description: XZ Utils is free general-purpose data compression software with high compression ratio.  
Available under the license: Public Domain  
Terms and Conditions: Refer Section 4.44

### 3.225 **Yajl – 2.0.1**

Description: YAJL is a small event-driven (SAX-style) JSON parser written in ANSI C, and a small validating JSON generator.  
Available under the license: ISC License  
Copyright (c): 2007-2011, Lloyd Hilaiel  
Terms and Conditions: Refer section 4.18

### 3.226 **Zlib – 1.2.3, 1.2.6, 1.2.7**


Description: zlib is designed to be a free, general-purpose, legally unencumbered -- that is, not covered by any patents -- lossless data-compression library for use on virtually any computer hardware and operating system.  
Available under the license: zlib License  
Copyright (c): 1995-2005 Jean-loup Gailly and Mark Adler  
Terms and Conditions: Refer Section 4.42

### 3.227 **Atomic\_ops – 7.2**

Description: Atomic\_ops.h defines a large collection of operations, each one of which is a combination of an (optional) atomic memory operation, and a memory barrier.  
Available under the license: MIT License  
Copyright (c): 1991-1994 by Xerox Corporation  
Copyright (c): 1996-1999 by Silicon Graphics  
Copyright (c): 1999-2003 by Hewlett-Packard Company  
Terms and Conditions: Refer Section 4.29

### 3.228 **Free Image – 3.15.4**

Description: Used to support popular graphics image formats like PNG, BMP, JPEG, TIFF and others as needed by today's multimedia applications. FreeImage is easy to use, fast, multithreading safe, compatible with all 32-bit or 64-bit versions of Windows, and cross-platform (works both with Linux and Mac OS X).  
Available under the license: FreeImage Public License 1.0

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 52</b>

Terms and Conditions:

Refer Section 4.21

### 3.229 **Jsoncpp**

Description:

jsoncpp is an implementation of a JSON reader and writer in C++. JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate.

Available under the license:

MIT License

Copyright (c):

2007-2010 Baptiste Lepilleur

Terms and Conditions:

Refer Section 4.29

### 3.230 **Dnsmasq 2.68**

Description:

Dnsmasq provides network infrastructure for small networks: DNS, DHCP, router advertisement and network boot.

Available under the license:

GPL v2.0 Only

Copyright (c):

2000-2013 Simon Kelley

Terms and Conditions:

Refer Section 4.17

### 3.231 **qt5 – 5.2.1**

DESCRIPTION:

These are a set of graphics libraries that grew out of the development of Enlightenment, a window manager and Wayland compositor.

AVAILABLE UNDER THE LICENSE: LGPL v2.1

Copyright (c):

2013 Digia Plc

Terms and Conditions:

Refer Section 4.24

### 3.232 **GConf 3.2.6**

Description:

GConf is a system for storing application preferences.

Available under the license:

GPL v2 License

Copyright (c):

1999, 2000 Red Hat Inc

Terms and Conditions:

Refer Section 4.16

### 3.233 **plugixml 1.2**

Description:

plugixml is a light-weight C++ XML processing library.

Available under the license:

MIT License

Copyright (c):

2006-2012, by Arseny Kapoulkine

Copyright (c):

2003, by Kristen Wegner

Terms and Conditions:

Refer Section 4.16


### 3.234 **sbc - Bluetooth Low-complexity Subband Codec Library 1.2**

Description:

SBC is a digital audio encoder and decoder used to transfer data to Bluetooth audio output devices like headphones or loudspeakers.

Available under the license:

LGPL v2.1 or later License

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 53</b>

Copyright (c):	2008-2010 Nokia Corporation
Copyright (c):	2004-2010 Marcel Holtmann
Copyright (c):	2004-2005 Henryk Ploetz
Copyright (c):	2005-2008 Brad Midgley
Copyright (c):	2012-2013 Intel Corporation
Terms and Conditions:	Refer Section 4.24

### 3.235 **Boost C++ Libraries – 1.50.0**

DESCRIPTION:	Boost is a set of libraries for the C++ programming language that provide support for tasks and structures such as linear algebra, pseudorandom number generation, multithreading, image processing, regular expressions, and unit testing. It contains over eighty individual libraries.
AVAILABLE UNDER THE LICENSE:	Boost Software License 1.0
Copyright (c):	Rene Rivera 2008-2013
Terms and Conditions:	Refer Section 4.9

### 3.236 **msinttypes**

DESCRIPTION:	Msinttypes
AVAILABLE UNDER THE LICENSE:	BSD 3-clause
Copyright (c):	2006-2008 Alexander Chemeris
Terms and Conditions:	Refer Section 4.8

### 3.237 **RapidXml – 1.13**


DESCRIPTION:	RapidXml is an attempt to create the fastest XML parser possible, while retaining useability, portability and reasonable W3C compatibility.
AVAILABLE UNDER THE LICENSE:	MIT License
Copyright (c):	2006, 2007 Marcin Kalicinski
Terms and Conditions:	Refer Section 4.29

### 3.238 **HMI\_Daemon**

DESCRIPTION:	HMI_Daemon
AVAILABLE UNDER THE LICENSE:	MIT License
Copyright (c):	Copyright (c) 2010-2012 Intel Corporation Copyright (c) 2010-2011 Benjamin Franzke Copyright (c) 2011-2012 Collabora, Ltd
Terms and Conditions:	Refer Section 4.29

### 3.239 **GENIVI Audio Manager – MIT**

DESCRIPTION:	The AudioManager is a framework for managing audio in an In-Vehicle Infotainment
AVAILABLE UNDER THE LICENSE:	MIT License
Copyright (c):	2012 BMW

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 54</b>

Terms and Conditions:

Refer Section 4.29

### 3.240 **Hostapd- 2.1**

DESCRIPTION: hostapd is a user space daemon for accesspoint and authentication servers.  
 AVAILABLE UNDER THE LICENSE: BSD 3-clause  
 Copyright (c): 2003-2009, Jouni Malinen  
 Terms and Conditions: Refer Section 4.8

### 3.241 **Templatized C++ Command Line Parser – 1.2.1**

DESCRIPTION: This is a simple templatized C++ library for parsing command line arguments.  
 AVAILABLE UNDER THE LICENSE: MIT License  
 Copyright (c): 2003,2004 Michael E Smoot  
 Terms and Conditions: Refer Section 4.29

### 3.242 **v4l-utils – 0.8.8 r2**

DESCRIPTION: libv4l is a collection of libraries which adds a thin abstraction layer on top of video4linux2 devices.  
 AVAILABLE UNDER THE LICENSE: LGPL v2.0  
 Copyright (c): 2006 Mauro Carvalho Chehab  
 Terms and Conditions: Refer Section 4.23

### 3.243 **v4utils\_gpl2.0**

DESCRIPTION: v4utils\_gpl2.0  
 AVAILABLE UNDER THE LICENSE: GPL v2.0  
 Copyright (c): 2006 Mauro Carvalho Chehab  
 Terms and Conditions: Refer Section 4.16

### 3.244 **v4utils\_LGPL2.1**


DESCRIPTION: v4utils\_LGPL2.1  
 AVAILABLE UNDER THE LICENSE: LGPL V2.1  
 Copyright (c): 2006 Mauro Carvalho Chehab  
 Terms and Conditions: Refer Section 4.24

### 3.245 **v4utils\_libdvbv5**

DESCRIPTION: v4utils\_libdvbv5  
 AVAILABLE UNDER THE LICENSE: GPL v2.0 only  
 Copyright (c): 2006 Mauro Carvalho Chehab  
 Terms and Conditions: Refer Section 4.17

### 3.246 **v4utils\_libv4l2rds**

DESCRIPTION: v4utils\_libv4l2rds

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 55</b>

AVAILABLE UNDER THE LICENSE: LGPL V2.1  
Terms and Conditions: Refer Section 4.24

### 3.247 **libdvbv5 - 0.8.8 r2**

DESCRIPTION: This library is meant to be used by digital TV applications that need to talk with media hardware.

AVAILABLE UNDER THE LICENSE: GPL v2.0

Copyright (c): 2006 Mauro Carvalho Chehab  
Copyright (c): 2001 Johannes Stezenbach  
Terms and Conditions: Refer Section 4.16

### 3.248 **libblkid - 2.24**

DESCRIPTION: The blkid program is the command-line interface to working with libblkid library. It can determine the type of content (e.g. filesystem, swap) a block device holds, and also attributes (tokens, NAME=value pairs) from the content metadata (e.g. LABEL or UUID fields).

AVAILABLE UNDER THE LICENSE: LGPL v2.1

Copyright (c): 2001 Andreas Dilger  
Copyright (c): 2003 Theodore Ts'o Copyright  
Copyright (c): 2008 Karel Zak <kzak@redhat.com>  
Terms and Conditions: Refer Section 4.24

### 3.249 **libevdev - 1.3.1**

DESCRIPTION: This library is meant to be used by digital TV applications that need to talk with media hardware.

AVAILABLE UNDER THE LICENSE: MIT License

Copyright (c): 2013 Red Hat, Inc  
Copyright (c): 2013 David Herrmann dh.herrmann@gmail.com  
Copyright (c): 1999-2002 Vojtech Pavlik  
Terms and Conditions: Refer Section 4.29

### 3.250 **CRDA - 1.1.3**

DESCRIPTION: Central Regulatory Domain Agent for Linux. It serves one purpose: tell Linux kernel what to enforce.

AVAILABLE UNDER THE LICENSE: ISC License


Copyright (c): 2008, Luis R. Rodriguez  
Copyright (c): 2008, Johannes Berg  
Copyright (c): 2008, Michael Green  
Terms and Conditions: Refer Section 4.18

### 3.251 **Iotop - 0.4.4**

DESCRIPTION: Iotop is a Python program with a top like UI used to show of behalf of which process is the I/O going on.

AVAILABLE UNDER THE LICENSE: GPL v2.0

Copyright (c): 2007, 2008 Guillaume Chazarain

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 56</b>

Terms and Conditions:

Refer Section 4.16

### 3.252 **Iw- 3.11**

DESCRIPTION: IW is a new nl80211 based CLI configuration utility for wireless devices.

AVAILABLE UNDER THE LICENSE: ISC License

Copyright (c): 2008-2009, Luis R. Rodriguez

Copyright (c): 2007-2008, Johannes Berg

Copyright (c): 2007, Mike Kershaw

Copyright (c): 2007, Andy Lutomirski

Terms and Conditions: Refer Section 4.18

### 3.253 **Sqlite3**

DESCRIPTION: SQLite3 FFI bindings.

AVAILABLE UNDER THE LICENSE: Public Domain

Terms and Conditions: Refer Section 4.44

### 3.254 **7-Zip LZMA SDK**

DESCRIPTION: The LZMA SDK provides the documentation, samples, header files, libraries, and tools you need to develop applications that use compression.

AVAILABLE UNDER THE LICENSE: Public Domain

Terms and Conditions: Refer Section 4.44

## **4 License Terms & Condition**

### **4.1 Academic Free License v2.1**

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:


Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original Work;



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 57</b>

c) to distribute copies of the Original Work and Derivative Works to the public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.


3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 58</b>

sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately preceding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.


8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensors be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensors' negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensors and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensors and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensors or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensors resides or in which Licensors conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. Â§ 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 59</b>

limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For 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.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

## 4.2 Apache License v2.0

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIWI Project</b>	<b>Page 60</b>

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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 61</b>


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:
  - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
  - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
  - (c) 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
  - (d) 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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 62</b>

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,

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 63</b>

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.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either expresses or implied. See the License for the specific language governing permissions and limitations under the License.


## 4.3 Apple Public Source License 1.1

Version 1.1 - April 19, 1999

Please read this License carefully before downloading this software. By downloading and using this software, you are agreeing to be bound by the terms of this License. If you do not or cannot agree to the terms of this License, please do not download or use the software.

---

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 64</b>

1. General; Definitions. This License applies to any program or other work which Apple Computer, Inc. ("Apple") publicly announces as subject to this Apple Public Source License and which contains a notice placed by Apple identifying such program or work as "Original Code" and stating that it is subject to the terms of this Apple Public Source License version 1.1 (or subsequent version thereof), as it may be revised from time to time by Apple ("License"). As used in this License:

1.1 "Affected Original Code" means only those specific portions of Original Code that allegedly infringe upon any party's intellectual property rights or are otherwise the subject of a claim of infringement.

1.2 "Applicable Patent Rights" mean: (a) in the case where Apple is the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to Apple and (ii) that cover subject matter contained in the Original Code, but only to the extent necessary to use, reproduce and/or distribute the Original Code without infringement; and (b) in the case where You are the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to You and (ii) that cover subject matter in Your Modifications, taken alone or in combination with Original Code.

1.3 "Covered Code" means the Original Code, Modifications, the combination of Original Code and any Modifications, and/or any respective portions thereof.

1.4 "Deploy" means to use, sublicense or distribute Covered Code other than for Your internal research and development (R&D), and includes without limitation, any and all internal use or distribution of Covered Code within Your business or organization except for R&D use, as well as direct or indirect sublicensing or distribution of Covered Code by You to any third party in any form or manner.

1.5 "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.


1.6 "Modifications" mean any addition to, deletion from, and/or change to, the substance and/or structure of Covered Code. When code is released as a series of files, a Modification is: (a) any addition to or deletion from the contents of a file containing Covered Code; and/or (b) any new file or other representation of computer program statements that contains any part of Covered Code.

1.7 "Original Code" means (a) the Source Code of a program or other work as originally made available by Apple under this License, including the Source Code of any updates or upgrades to such programs or works made available by Apple under this License, and that has been expressly identified by Apple as such in the header file(s) of such work; and (b) the object code compiled from such Source Code and originally made available by Apple under this License.

1.8 "Source Code" means the human readable form of a program or other work that is suitable for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an executable (object code).

1.9 "You" or "Your" means an individual or a legal entity exercising rights under this License. For legal entities, "You" or "Your" includes any entity which controls, is controlled by, or is under common control with, You, where "control" means (a) the power, direct or indirect, to cause the direction or



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 65</b>

management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

2. Permitted Uses; Conditions & Restrictions. Subject to the terms and conditions of this License, Apple hereby grants You, effective on the date You accept this License and download the Original Code, a world-wide, royalty-free, non-exclusive license, to the extent of Apple's Applicable Patent Rights and copyrights covering the Original Code, to do the following:

2.1 You may use, copy, modify and distribute Original Code, with or without Modifications, solely for Your internal research and development, provided that You must in each instance:

(a) retain and reproduce in all copies of Original Code the copyright and other proprietary notices and disclaimers of Apple as they appear in the Original Code, and keep intact all notices in the Original Code that refer to this License;

(b) include a copy of this License with every copy of Source Code of Covered Code and documentation You distribute, and You may not offer or impose any terms on such Source Code that alter or restrict this License or the recipients' rights hereunder, except as permitted under Section 6; and

(c) completely and accurately document all Modifications that you have made and the date of each such Modification, designate the version of the Original Code you used, prominently include a file carrying such information with the Modifications, and duplicate the notice in Exhibit A in each file of the Source Code of all such Modifications.

2.2 You may Deploy Covered Code, provided that You must in each instance:

(a) satisfy all the conditions of Section 2.1 with respect to the Source Code of the Covered Code;

(b) make all Your Deployed Modifications publicly available in Source Code form via electronic distribution (e.g. download from a web site) under the terms of this License and subject to the license grants set forth in Section 3 below, and any additional terms You may choose to offer under Section 6. You must continue to make the Source Code of Your Deployed Modifications available for as long as you Deploy the Covered Code or twelve (12) months from the date of initial Deployment, whichever is longer;

(c) if You Deploy Covered Code containing Modifications made by You, inform others of how to obtain those Modifications by filling out and submitting the information found at <http://www.apple.com/publicsource/modifications.html>, if available; and


(d) if You Deploy Covered Code in object code, executable form only, include a prominent notice, in the code itself as well as in related documentation, stating that Source Code of the Covered Code is available under the terms of this License with information on how and where to obtain such Source Code.

3. Your Grants. In consideration of, and as a condition to, the licenses granted to You under this License:

(a) You hereby grant to Apple and all third parties a non-exclusive, royalty-free license, under Your Applicable Patent Rights and other intellectual property rights owned or controlled by You, to use, reproduce, modify, distribute and Deploy Your Modifications of the same scope and extent as Apple's licenses under Sections 2.1 and 2.2; and

(b) You hereby grant to Apple and its subsidiaries a non-exclusive, worldwide, royalty-free, perpetual and irrevocable license, under Your Applicable Patent Rights and other intellectual property rights owned or controlled by You, to use, reproduce, execute, compile, display, perform, modify or have modified (for Apple and/or its subsidiaries), sublicense and distribute Your Modifications, in any form, through multiple tiers of distribution.

4. Larger Works. You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In each such

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 66</b>

instance, You must make sure the requirements of this License are fulfilled for the Covered Code or any portion thereof.

5. Limitations on Patent License. Except as expressly stated in Section 2, no other patent rights, express or implied, are granted by Apple herein. Modifications and/or Larger Works may require additional patent licenses from Apple which Apple may grant in its sole discretion.


6. Additional Terms. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations and/or other rights consistent with the scope of the license granted herein ("Additional Terms") to one or more recipients of Covered Code. However, You may do so only on Your own behalf and as Your sole responsibility, and not on behalf of Apple. You must obtain the recipient's agreement that any such Additional Terms are offered by You alone, and You hereby agree to indemnify, defend and hold Apple harmless for any liability incurred by or claims asserted against Apple by reason of any such Additional Terms.

7. Versions of the License. Apple may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Once Original Code has been published under a particular version of this License, You may continue to use it under the terms of that version. You may also choose to use such Original Code under the terms of any subsequent version of this License published by Apple. No one other than Apple has the right to modify the terms applicable to Covered Code created under this License.

8. NO WARRANTY OR SUPPORT. The Original Code may contain in whole or in part pre-release, untested, or not fully tested works. The Original Code may contain errors that could cause failures or loss of data, and may be incomplete or contain inaccuracies. You expressly acknowledge and agree that use of the Original Code, or any portion thereof, is at Your sole and entire risk. The Original Code is provided "AS IS" and without warranty, upgrades or support of any kind and Apple and Apple's licensor(s) (for the purposes of Sections 8 and 9, Apple and Apple's licensor(s) are collectively referred to as "Apple") EXPRESSLY DISCLAIM ALL WARRANTIES AND/OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY OR SATISFACTORY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. APPLE DOES NOT WARRANT THAT THE FUNCTIONS CONTAINED IN THE ORIGINAL CODE WILL MEET YOUR REQUIREMENTS, OR THAT THE OPERATION OF THE ORIGINAL CODE WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE ORIGINAL CODE WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY APPLE OR AN APPLE AUTHORIZED REPRESENTATIVE SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY. You acknowledge that the Original Code is not intended for use in the operation of nuclear facilities, aircraft navigation, communication systems, or air traffic control machines in which case the failure of the Original Code could lead to death, personal injury, or severe physical or environmental damage.

## 9. Liability.

9.1 Infringement. If any portion of, or functionality implemented by, the Original Code becomes the subject of a claim of infringement, Apple may, at its option: (a) attempt to procure the rights necessary for Apple and You to continue using the Affected Original Code; (b) modify the Affected Original Code so that it is no longer infringing; or (c) suspend Your rights to use, reproduce, modify, sublicense and distribute the Affected Original Code until a final determination of the claim is made by a court or

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 67</b>

governmental administrative agency of competent jurisdiction and Apple lifts the suspension as set forth below. Such suspension of rights will be effective immediately upon Apple's posting of a notice to such effect on the Apple web site that is used for implementation of this License. Upon such final determination being made, if Apple is legally able, without the payment of a fee or royalty, to resume use, reproduction, modification, sublicensing and distribution of the Affected Original Code, Apple will lift the suspension of rights to the Affected Original Code by posting a notice to such effect on the Apple web site that is used for implementation of this License. If Apple suspends Your rights to Affected Original Code, nothing in this License shall be construed to restrict You, at Your option and subject to applicable law, from replacing the Affected Original Code with non-infringing code or independently negotiating for necessary rights from such third party.

**9.2 LIMITATION OF LIABILITY.** UNDER NO CIRCUMSTANCES SHALL APPLE BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO THIS LICENSE OR YOUR USE OR INABILITY TO USE THE ORIGINAL CODE, OR ANY PORTION THEREOF, whether under a theory of contract, warranty, tort (including negligence), products liability or otherwise, even if APPLE has been advised of the possibility of such damages AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY. In no event shall Apple's total liability to You for all damages under this License exceed the amount of fifty dollars (\$50.00).

**10. Trademarks.** This License does not grant any rights to use the trademarks or trade names "Apple", "Apple Computer", "Mac OS X", "Mac OS X Server" or any other trademarks or trade names belonging to Apple (collectively "Apple Marks") and no Apple Marks may be used to endorse or promote products derived from the Original Code other than as permitted by and in strict compliance at all times with Apple's third party trademark usage guidelines which are posted at <http://www.apple.com/legal/guidelinesfor3rdparties.html>.


**11. Ownership.** Apple retains all rights, title and interest in and to the Original Code and any Modifications made by or on behalf of Apple ("Apple Modifications"), and such Apple Modifications will not be automatically subject to this License. Apple may, at its sole discretion, choose to license such Apple Modifications under this License, or on different terms from those contained in this License or may choose not to license them at all. Apple's development, use, reproduction, modification, sublicensing and distribution of Covered Code will not be subject to this License.

## **12. Termination.**

**12.1 Termination.** This License and the rights granted hereunder will terminate:

- (a) automatically without notice from Apple if You fail to comply with any term(s) of this License and fail to cure such breach within 30 days of becoming aware of such breach;
- (b) immediately in the event of the circumstances described in Section 13.5(b); or
- (c) automatically without notice from Apple if You, at any time during the term of this License, commence an action for patent infringement against Apple.

**12.2 Effect of Termination.** Upon termination, You agree to immediately stop any further use, reproduction, modification, sublicensing and distribution of the Covered Code and to destroy all copies of the Covered Code that are in your possession or control. All sublicenses to the Covered Code which have been properly granted prior to termination shall survive any termination of this License. Provisions which, by their nature, should remain in effect beyond the termination of this License shall survive, including but not limited to Sections 3, 5, 8, 9, 10, 11, 12.2 and 13. Neither party will be liable to the other for compensation, indemnity or damages of any sort solely as a result of terminating this License in

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 68</b>

accordance with its terms, and termination of this License will be without prejudice to any other right or remedy of either party.

### 13. Miscellaneous.

13.1 Government End Users. The Covered Code is a "commercial item" as defined in FAR 2.101. Government software and technical data rights in the Covered Code include only those rights customarily provided to the public as defined in this License. This customary commercial license in technical data and software is provided in accordance with FAR 12.211 (Technical Data) and 12.212 (Computer Software) and, for Department of Defense purchases, DFAR 252.227-7015 (Technical Data -- Commercial Items) and 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation). Accordingly, all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

13.2 Relationship of Parties. This License will not be construed as creating an agency, partnership, joint venture or any other form of legal association between You and Apple, and You will not represent to the contrary, whether expressly, by implication, appearance or otherwise.

13.3 Independent Development. Nothing in this License will impair Apple's right to acquire, license, develop, have others develop for it, market and/or distribute technology or products that perform the same or similar functions as, or otherwise compete with, Modifications, Larger Works, technology or products that You may develop, produce, market or distribute.

13.4 Waiver; Construction. Failure by Apple to enforce any provision of this License will not be deemed a waiver of future enforcement of that or any other provision. Any law or regulation which provides that the language of a contract shall be construed against the drafter will not apply to this License.

13.5 Severability. (a) If for any reason a court of competent jurisdiction finds any provision of this License, or portion thereof, to be unenforceable, that provision of the License will be enforced to the maximum extent permissible so as to effect the economic benefits and intent of the parties, and the remainder of this License will continue in full force and effect. (b) Notwithstanding the foregoing, if applicable law prohibits or restricts You from fully and/or specifically complying with Sections 2 and/or 3 or prevents the enforceability of either of those Sections, this License will immediately terminate and You must immediately discontinue any use of the Covered Code and destroy all copies of it that are in your possession or control.

13.6 Dispute Resolution. Any litigation or other dispute resolution between You and Apple relating to this License shall take place in the Northern District of California, and You and Apple hereby consent to the personal jurisdiction of, and venue in, the state and federal courts within that District with respect to this License. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded.


13.7 Entire Agreement; Governing Law. This License constitutes the entire agreement between the parties with respect to the subject matter hereof. This License shall be governed by the laws of the United States and the State of California, except that body of California law concerning conflicts of law.

Where You are located in the province of Quebec, Canada, the following clause applies: The parties hereby confirm that they have requested that this License and all related documents be drafted in English. Les parties ont exigé que le présent contrat et tous les documents connexes soient rédigés en anglais.

### EXHIBIT A.

"Portions 1999-2000 Apple Computer, Inc. All Rights Reserved.

This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 1.1 (the 'License'). You may not use this file except in

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 69</b>

compliance with the License. Please obtain a copy of the License at <http://www.apple.com/publicsource> and read it before using this file. The Original Code and all software distributed under the License are distributed on an 'AS IS' basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. Please see the License for the specific language governing rights and limitations under the License."

Please read the terms of this license carefully. By clicking on the "Yes, I Accept" button below you are accepting and agreeing to the terms of this license with Apple Computer, Inc. If you are agreeing to this license on behalf of a company, you represent that you are authorized to bind the company to such a license. If you do not meet this criterion or you do not agree to any of the terms of this license, please click on the "No, I Reject" button below or use your browser's Back button to exit this page. Use the "Change Registration" button to update your information.


#### 4.4 BSD-4-Clause(University of California – Specific)

Copyright [various years] The Regents of the University of California. 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 acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University 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 REGENTS 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 REGENTS 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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 70</b>

## The Artistic License

### Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

### Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.


1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 71</b>

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End


#### 4.5 Bind License

1996-2002 Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

---

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 72</b>

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, 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.

#### 4.6 Bison with GPL 3.0 Exception

As a special exception, when this file is copied by Bison into a Bison output file, you may use that output file without restriction.

This special exception was added by the Free Software Foundation in version 1.24 of Bison.

#### The GNU General Public License (GPL-2.0)

Version 2, June 1991

1989, 1991 Free Software Foundation, Inc.,  
51 Franklin Street, 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.

##### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) 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 this service 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 make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights.

---

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 73</b>

These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. 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.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.


Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

## GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AI VI Project</b>	<b>Page 74</b>

1. You may copy and distribute 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 and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.


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 Program or any portion of it, thus forming a work based on the Program, 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) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, 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 Program, 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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 75</b>

exercise the right to control the distribution of derivative or collective works based on the Program.

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


3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) 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; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. However, as a special exception, the source code 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.

If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 76</b>

otherwise to copy, modify, sublicense or distribute the Program 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.


5. 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 Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program 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 to this License.

7. 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 Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program 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 Program.

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 77</b>

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.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program 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.


9. The Free Software Foundation may publish revised and/or new versions of the 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 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 Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, 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

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, 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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 78</b>

12. 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 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.

## END OF TERMS AND CONDITIONS

### How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

<one line to give the program's name and a brief idea of what it does.>  
<year> <name of author>


This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 79</b>

Gnomovision version 69, year name of author

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

#### 4.7 BSD 2-clause License


##### The BSD 2-Clause License

<YEAR>, <OWNER>  
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 HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 80</b>

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.

#### 4.8 BSD 3-clause License

##### The BSD 3-Clause License

<YEAR>, <OWNER>

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. Neither the name of the <ORGANIZATION> 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.

#### 4.9 Boost Software License 1.0

Boost Software License - Version 1.0 August 17th, 2003 Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 81</b>

included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.


#### 4.10 Bzip2 License

1.1 This program, "bzip2", the associated library "libbzip2", and all documentation, are 1996-2005 Julian R Seward. All rights reserved.

1. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
2. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
3. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
4. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
5. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

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.

#### 4.11 Curl License

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 82</b>

1996 - 2003, Daniel Stenberg, <daniel@haxx.se>.  
All rights reserved.

Permission to use, copy, modifies, and distributes this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder

#### 4.12 Expat License


1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper  
2001, 2002, 2003, 2004, 2005, 2006 Expat maintainers.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#### 4.13 Festival Speech Synthesis System License

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 83</b>

1.1 The system as a whole and almost all of the files in it are distributed under the following copyright and conditions

The Festival Speech Synthesis System  
Centre for Speech Technology Research  
University of Edinburgh, UK  
1996-1999  
All Rights Reserved.

Permission is hereby granted, free of charge, to use and distribute this software and its documentation without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of this work, and to permit persons to whom this work is furnished to do so, subject to the following conditions:

1. The code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Any modifications must be clearly marked as such.
3. Original authors' names are not deleted.
4. The authors' names are not used to endorse or promote products derived from this software without specific prior written permission.


THE UNIVERSITY OF EDINBURGH AND THE CONTRIBUTORS TO THIS WORK DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE UNIVERSITY OF EDINBURGH NOR THE CONTRIBUTORS 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.

Some further comments:

Every effort has been made to ensure that Festival does not contain any violation of intellectual property rights through disclosure of trade secrets, copyright or patent violation. Considerable time and effort has been spent to ensure that this is the case. However, especially with patent problems, it is not always within our control to know what has or has not been restricted. If you do suspect that some part of Festival cannot be legally distributed please please inform us so that an alternative may be sought. Festival is only useful if it is truly free to distribute.

As of 1.4.0 the core distribution (and speech tools) is free. Unlike previous versions which had a commercial restriction. You are free to incorporate Festival in commercial (and of course non-commercial systems), without any further communication or licence from us. However if you are seriously using Festival within a commercial application we would like to know, both so we know we are contributing and so we can keep you informed of future developments. Also if you require maintenance, support or wish us to provide consultancy feel free to contact us.

The voices however aren't all free. At present the US voices, kal and ked are free. Our British voices are free themselves but they use OALD which is restricted for non-commercial use. Our Spanish voice is also so restricted.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 84</b>

Note other modules that festival supports e.g MBROLA and OGI extensions, may have different licencing please take care when using the system to understand what you are actually using.

A number of individual files in the system fall under a different copyright from the above. All however are termed "free software" but most people.

./src/arch/festival/tcl.c

\* 1997 Jacques H. de Villiers

\* 1997 Center for Spoken Language Understanding,

\* Oregon Graduate Institute of Science & Technology

See conditions in file. This is the standard TCL licence and hence shouldn't cause problems from most people.

./examples/festival\_client.pl

# 1997

# Kevin A. Lenzo (lenzo@cs.cmu.edu) 7/97

See condition in file

./lib/festival.el

Alan W Black 1996

copyright under FSF General Public Licence

Please also read the COPYING section of speech\_tools/README for the conditions on those files.

#### 4.14 Fine Free File Command License

Ian F. Darwin 1986, 1987, 1989, 1990, 1991, 1992, 1994, 1995.

This software is not subject to any export provision of the United States Department of Commerce, and may be exported to any country or planet.

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 immediately at the beginning of the file, without modification, 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 AUTHOR 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 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)

---

© Robert Bosch Car Multimedia GmbH. All

rights reserved, also regarding any disposal,

exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 85</b>

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.

#### 4.15 GCC Runtime Library Exception 3.1 to GPL

Version 3.1, 31 March 2009

2009 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 GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

##### 1. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase.

Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.


The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

##### 2. Grant of Additional Permission.

---

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 86</b>

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

### 3. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

## GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 87</b>

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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 88</b>

“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.



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 89</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 90</b>

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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 91</b>

“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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 92</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 93</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 94</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 95</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 96</b>

## How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

<one line to give the program's name and a brief idea of what it does.>

<year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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.

You should have received a copy of the GNU General Public License along with this program. If not, see <<http://www.gnu.org/licenses/>>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> <year> <name of author>

This program comes with ABSOLUTELY NO WARRANTY; for details type ‘show w’.


This is free software, and you are welcome to redistribute it under certain conditions; type ‘show c’ for details.

The hypothetical commands ‘show w’ and ‘show c’ should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an “about box”.

You should also get your employer (if you work as a programmer) or school, if any, to sign a “copyright disclaimer” for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 97</b>

#### 4.16 GPL V2.0 or later

##### The GNU General Public License (GPL-2.0)

Version 2, June 1991

1989, 1991 Free Software Foundation, Inc.,  
51 Franklin Street, 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.

##### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) 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 this service 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 make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. 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.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 98</b>

software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

## GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION


0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute 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 and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

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 Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 99</b>

above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)


These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, 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 Program, 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 Program.

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

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) 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; or,

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 100</b>

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,


c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. However, as a special exception, the source code 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.

If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program 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.

5. 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 Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 101</b>

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program 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 to this License.


7. 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 Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program 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 Program.

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.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program 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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 102</b>

9. The Free Software Foundation may publish revised and/or new versions of the 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 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 Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.


10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, 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

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, 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.

12. 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 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.

#### END OF TERMS AND CONDITIONS

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 103</b>

## How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

```
<one line to give the program's name and a brief idea of what it does.>
<year> <name of author>
```

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.


Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 104</b>

Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into  
proprietary programs. If your program is a subroutine library, you may  
consider it more useful to permit linking proprietary applications with the  
library. If this is what you want to do, use the GNU Lesser General  
Public License instead of this License.

#### 4.17 GPL V2.0 only

Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

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

#### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By  
contrast, the GNU General Public License is intended to guarantee your freedom to share and change  
free software--to make sure the software is free for all its users. This General Public License applies to  
most of the Free Software Foundation's software and to any other program whose authors commit to  
using it. (Some other Free Software Foundation software is covered by the GNU Library General Public  
License instead.) 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 this  
service 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 make restrictions that forbid anyone to deny you these rights or to ask  
you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute  
copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the  
recipients all the rights that you have. 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.


We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which  
gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there

---

© Robert Bosch Car Multimedia GmbH. All  
rights reserved, also regarding any disposal,  
exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 105</b>

is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

## TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".


Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute 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 and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

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 Program or any portion of it, thus forming a work based on the Program, 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) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 106</b>

(or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, 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 Program, 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 Program.


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

**3.** You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) 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; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. However, as a special exception, the source code 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.

If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 107</b>

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program 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.

5. 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 Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program 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 to this License.


7. 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 Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program 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 Program.

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.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program 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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 108</b>

9. The Free Software Foundation may publish revised and/or new versions of the 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 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 Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, 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

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, 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.


12. 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 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.

END OF TERMS AND CONDITIONS

#### 4.18 ISC License

##### Internet Systems Consortium (ISC) License

4-digit year, Company or Person's Name

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 109</b>

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS 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, DIRECT, 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.

#### 4.19 Info-ZIP Updated License

*This is version 2007-Mar-4 of the Info-ZIP license. The definitive version of this document should be available at <ftp://ftp.info-zip.org/pub/infozip/license.html> indefinitely and a copy at <http://www.info-zip.org/pub/infozip/license.html>.*

1990-2007 Info-ZIP. All rights reserved.


For the purposes of this copyright and license, "Info-ZIP" is defined as the following set of individuals:

Mark Adler, John Bush, Karl Davis, Harald Denker, Jean-Michel Dubois, Jean-loup Gailly, Hunter Goatley, Ed Gordon, Ian Gorman, Chris Herborth, Dirk Haase, Greg Hartwig, Robert Heath, Jonathan Hudson, Paul Kienitz, David Kirschbaum, Johnny Lee, Onno van der Linden, Igor Mandrichenko, Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda, Christian Spieler, Cosmin Truta, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White.

This software is provided "as is," without warranty of any kind, express or implied. In no event shall Info-ZIP or its contributors be held liable for any direct, indirect, incidental, special or consequential damages arising out of the use of or inability to use this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the above disclaimer and the following restrictions:

1. Redistributions of source code (in whole or in part) must retain the above copyright notice, definition, disclaimer, and this list of conditions.
2. Redistributions in binary form (compiled executables and libraries) must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. The sole exception to this condition is redistribution of a standard UnZipSFX binary (including SFXWiz) as part of a self-extracting archive; that is

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 110</b>

permitted without inclusion of this license, as long as the normal SFX banner has not been removed from the binary or disabled.

3. Altered versions--including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, versions with modified or added functionality, and dynamic, shared, or static library versions not from Info-ZIP--must be plainly marked as such and must not be misrepresented as being the original source or, if binaries, compiled from the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases--including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or the Info-ZIP URL(s), such as to imply Info-ZIP will provide support for the altered versions.

Info-ZIP retains the right to use the names "Info-ZIP," "Zip," "UnZip," "UnZipSFX," "WiZ," "Pocket UnZip," "Pocket Zip," and "MacZip" for its own source and binary releases.

## 4.20 ICU License


### ICU License - ICU 1.8.1 and later

#### COPYRIGHT AND PERMISSION NOTICE

1995-2005 International Business Machines Corporation and others  
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR 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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 111</b>

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.

#### 4.21 FreeImage Public License 1.0

##### 1. Definitions.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.


1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or a list of source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 112</b>

Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

## 2. Source Code License.

### 2.1. The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, or as part of a Larger Work; and

(b) under patents now or hereafter owned or controlled by Initial Developer, to make, have made, use and sell ("Utilize") the Original Code (or portions thereof), but solely to the extent that any such patent is reasonably necessary to enable You to Utilize the Original Code (or portions thereof) and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

### 2.2. Contributor Grant.

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code or as part of a Larger Work; and

(b) under patents now or hereafter owned or controlled by Contributor, to Utilize the Contributor Version (or portions thereof), but solely to the extent that any such patent is reasonably necessary to enable You to Utilize the Contributor Version (or portions thereof), and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

## 3. Distribution Obligations.


### 3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

### 3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 113</b>

form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

### 3.3. Description of Modifications.

You must cause all Covered Code to which you contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

### 3.4. Intellectual Property Matters

#### (a) Third Party Claims.

If You have knowledge that a party claims an intellectual property right in particular functionality or code (or its utilization under this License), you must include a text file with the source code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If you obtain such knowledge after You make Your Modification available as described in Section 3.2, You shall promptly modify the LEGAL file in all copies You make available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

#### (b) Contributor APIs.


If Your Modification is an application programming interface and You own or control patents which are reasonably necessary to implement that API, you must also include this information in the LEGAL file.

### 3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code, and this License in any documentation for the Source Code, where You describe recipients' rights relating to Covered Code. If You created one or more Modification(s), You may add your name as a Contributor to the notice described in Exhibit A. If it is not possible to put such notice in a particular Source Code file due to its structure, then you must include such notice in a location (such as a relevant directory file) where a user would be likely to look for such a notice. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

### 3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 114</b>

Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

### 3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

### 4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

### 5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A, and to related Covered Code.

### 6. Versions of the License.

#### 6.1. New Versions.


Floris van den Berg may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

#### 6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Floris van den Berg. No one other than Floris van den Berg has the right to modify the terms applicable to Covered Code created under this License.

#### 6.3. Derivative Works.

If you create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), you must (a) rename Your license so that the phrases "FreeImage", "FreeImage Public License", "FIPL", or any confusingly similar phrase do not appear anywhere in your license and (b) otherwise make it clear that your version of the license contains terms which differ from the FreeImage Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 115</b>

deemed to be modifications of this License.)

#### 7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

#### 8. TERMINATION.

This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

#### 9. LIMITATION OF LIABILITY.


UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO YOU OR ANY OTHER PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THAT EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

#### 10. U.S. GOVERNMENT END USERS.

The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

#### 11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by Dutch law provisions (except to the extent

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 116</b>

applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in, the The Netherlands: (a) unless otherwise agreed in writing, all disputes relating to this License (excepting any dispute relating to intellectual property rights) shall be subject to final and binding arbitration, with the losing party paying all costs of arbitration; (b) any arbitration relating to this Agreement shall be held in Almelo, The Netherlands; and (c) any litigation relating to this Agreement shall be subject to the jurisdiction of the court of Almelo, The Netherlands with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

## 12. RESPONSIBILITY FOR CLAIMS.

Except in cases where another Contributor has failed to comply with Section 3.4, You are responsible for damages arising, directly or indirectly, out of Your utilization of rights under this License, based on the number of copies of Covered Code you made available, the revenues you received from utilizing such rights, and other relevant factors. You agree to work with affected parties to distribute responsibility on an equitable basis.

## EXHIBIT A.

"The contents of this file are subject to the FreeImage Public License Version 1.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://home.wxs.nl/~flvdberg/freeimage-license.txt>

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

## 4.22 JPEG License

The Independent JPEG Group's JPEG software


README for release 6b of 27-Mar-1998

This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at [jpeg-info@uunet.uu.net](mailto:jpeg-info@uunet.uu.net) to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 117</b>

## LEGAL ISSUES

In plain English:

We don't promise that this software works. (But if you find any bugs, please let us know!)

You can use this software for whatever you want. You don't have to pay us.

You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is 1991-1998, Thomas G. Lane. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:


- (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
- (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
- (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 118</b>

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

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

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

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

#### 4.23 LGPLv2.0 License

##### **GNU LIBRARY GENERAL PUBLIC LICENSE v2.0**

Version 2, June 1991


1991 Free Software Foundation, Inc.  
51 Franklin Street, 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 library GPL. It is  
numbered 2 because it goes with version 2 of the ordinary GPL.]

##### 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 Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 119</b>

your libraries, 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 this service 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 make restrictions that forbid anyone to deny you these rights or to ask you to surrender the 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 a program 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.


Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 120</b>

program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

#### GNU LIBRARY GENERAL PUBLIC LICENSE


#### TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library 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



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 121</b>

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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 122</b>

(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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 123</b>

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 compile 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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 124</b>


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) 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.
- c) 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.
- d) 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 source code 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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 125</b>

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 to 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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 126</b>

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 Library 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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 127</b>

## 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

### How to Apply These Terms to Your New Libraries


If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

```
<one line to give the library's name and a brief idea of what it does.>
<year> <name of author>
```

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 128</b>

Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

#### 4.24 LGPLv2.1 License

##### **LGPL v2.1 License**

Version 2.1, February 1999

1991, 1999 Free Software Foundation, Inc.  
51 Franklin Street, 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



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 129</b>

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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 130</b>

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.

#### GNU LESSER GENERAL PUBLIC LICENSE

#### 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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 131</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 132</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 133</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 134</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 135</b>

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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 136</b>

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.



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 137</b>

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

#### How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 138</b>

possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

<one line to give the library's name and a brief idea of what it does.>  
<year> <name of author>

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.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:


Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

#### 4.25 Libpng license

This copy of the libpng notices is provided for your convenience. In case of any discrepancy between this copy and the notices in the file png.h that is included in the libpng distribution, the latter shall

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 139</b>

prevail.

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE:

If you modify libpng you may insert additional notices immediately following this sentence.

libpng versions 1.0.7, July 1, 2000, through 1.0.13, April 15, 2002, are Copyright (c) 2000-2002 Glenn Randers-Pehrson and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors

Simon-Pierre Cadieux  
Eric S. Raymond  
Gilles Vollant

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998, 1999 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane  
Glenn Randers-Pehrson  
Willem van Schaik


libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996, 1997 Andreas Dilger Distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

John Bowler  
Kevin Bracey  
Sam Bushell  
Magnus Holmgren  
Greg Roelofs  
Tom Tanner

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

Andreas Dilger  
Dave Martindale  
Guy Eric Schalnat

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 140</b>

Paul Schmidt  
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

A "png\_get\_copyright" function is available, for convenient use in "about" boxes and the like:

```
printf("%s",png_get_copyright(NULL));
```

Also, the PNG logo (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg" (88x31) and "pngnow.png" (98x31).

Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certification mark of the Open Source Initiative.


Glenn Randers-Pehrson  
randeg@alum.rpi.edu  
April 15, 2002

#### 4.26 Libtheora License

Copyright (C) 2002-2009 Xiph.org Foundation

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.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 141</b>

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. Neither the name of the Xiph.org Foundation 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 FOUNDATION 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.

#### 4.27 Libxml2 License

1.1 Except where otherwise noted in the source code (e.g. the files hash.c, list.c and the trio files, which are covered by a similar licence but with different Copyright notices) all the files are:


1998-2003 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE DANIEL VEILLARD BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of Daniel Veillard shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 142</b>

#### 4.28 LUA license

Copyright (c) 1994–2015 Lua.org, PUC-Rio.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#### 4.29 MIT License


##### The MIT License (MIT)

<year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 143</b>

#### 4.30 MPL v2.0

### MOZILLA PUBLIC LICENSE VERSION 2.0

#### 1. Definitions

##### 1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

##### 1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

##### 1.3. "Contribution"

means Covered Software of a particular Contributor.

##### 1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

##### 1.5. "Incompatible With Secondary Licenses"

means

(a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

##### 1.6. "Executable Form"

means any form of the work other than Source Code Form.

##### 1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

##### 1.8. "License"

means this document.

##### 1.9. "Licensable"


means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

##### 1.10. "Modifications"

means any of the following:

---

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 144</b>

(a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

(b) any new file in Source Code Form that contains any Covered Software.

#### 1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

#### 1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

#### 1.13. "Source Code Form"

means the form of the work preferred for making modifications.

#### 1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

### 2. License Grants and Conditions


#### 2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

##### (a) under intellectual property rights (other than patent or trademark)

Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 145</b>

(b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

## 2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

## 2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

- (a) for any code that a Contributor has removed from Covered Software; or
- (b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or
- (c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).


## 2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

## 2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

## 2.6. Fair Use

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 146</b>

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

## 2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

## 3. Responsibilities

### 3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.


### 3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

- (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and
- (b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

### 3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 147</b>

### 3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

### 3.5. Application of Additional Terms


You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

## 4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

## 5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 148</b>

Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

\* \* \*

\* 6. Disclaimer of Warranty \*

\* ----- \*

\* \*

\* Covered Software is provided under this License on an "as is" \*

\* basis, without warranty of any kind, either expressed, implied, or \*

\* statutory, including, without limitation, warranties that the \*

\* Covered Software is free of defects, merchantable, fit for a \*

\* particular purpose or non-infringing. The entire risk as to the \*

\* quality and performance of the Covered Software is with You. \*

\* Should any Covered Software prove defective in any respect, You \*

\* (not any Contributor) assume the cost of any necessary servicing, \*

\* repair, or correction. This disclaimer of warranty constitutes an \*

\* essential part of this License. No use of any Covered Software is \*

\* authorized under this License except under this disclaimer. \*

\* \*

\* \* \*

\* 7. Limitation of Liability \*

\* \*

\* \*

\* Under no circumstances and under no legal theory, whether tort \*

\* (including negligence), contract, or otherwise, shall any \*

\* Contributor, or anyone who distributes Covered Software as \*

\* permitted above, be liable to You for any direct, indirect, \*

\* special, incidental, or consequential damages of any character \*

\* including, without limitation, damages for lost profits, loss of \*

\* goodwill, work stoppage, computer failure or malfunction, or any \*

\* and all other commercial damages or losses, even if such party \*


\* shall have been informed of the possibility of such damages. This \*

\* limitation of liability shall not apply to liability for death or \*

\* personal injury resulting from such party's negligence to the \*

\* extent applicable law prohibits such limitation. Some \*

\* jurisdictions do not allow the exclusion or limitation of \*

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 149</b>

\* incidental or consequential damages, so this exclusion and \*  
 \* limitation may not apply to You. \*

## 8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

## 9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

## 10. Versions of the License

### 10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.


### 10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

### 10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

### 10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 150</b>

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

#### Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

#### Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

### 4.31 Open Group License


#### Open Group License

Copyright 1996, 1998 The Open Group

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 copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 151</b>

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group.

#### 4.32 OpenSSL Combined License

##### LICENSE ISSUES

The OpenSSL toolkit stays under a dual 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. Actually both licenses are BSD-Style Open Source licenses. In case of any license issues related to OpenSSL please contact [openssl-core@openssl.org](mailto:openssl-core@openssl.org).


##### OpenSSL License

-----

1998-2000 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](mailto: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>)"

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 152</b>

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

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.



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 153</b>

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.]

#### 4.33 PCRE 5 License

##### PCRE LICENCE


-----

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Written by: Philip Hazel <ph10@cam.ac.uk>

University of Cambridge Computing Service,  
 Cambridge, England. Phone: +44 1223 334714.

1997-2001 University of Cambridge

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 154</b>

Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions:

1. This software 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**.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or otherwise, you must put a sentence like this

Regular expression support is provided by the PCRE library package, which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England.

somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to

<ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/>

should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently).

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible.

The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself.

End


#### 4.34 PostgreSQL License

PostgreSQL Database Management System  
(formerly known as Postgres, then as Postgres95)

Portions 1996-2014, The PostgreSQL Global Development Group

---

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 155</b>

Portions 1994, The Regents of the University of California

Permission to use, copy, modify, and distribute this software and its documentation for any purpose, without fee, and without a written agreement is hereby granted, provided that the above copyright notice and this paragraph and the following two paragraphs appear in all copies.

IN NO EVENT SHALL THE UNIVERSITY OF CALIFORNIA BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE UNIVERSITY OF CALIFORNIA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE UNIVERSITY OF CALIFORNIA SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE UNIVERSITY OF CALIFORNIA HAS NO OBLIGATIONS TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

#### 4.35 Python License 2.0

##### PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.


2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "2001, 2002, 2003, 2004, 2005, 2006 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND

---

© Robert Bosch Car Multimedia GmbH. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 156</b>

DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

#### BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0


#### BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 157</b>

SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.


**CNRI OPEN SOURCE LICENSE AGREEMENT (for Python 1.6b1)**  
**IMPORTANT: PLEASE READ THE FOLLOWING AGREEMENT CAREFULLY.**

**BY CLICKING ON "ACCEPT" WHERE INDICATED BELOW, OR BY COPYING, INSTALLING OR OTHERWISE USING PYTHON 1.6, beta 1 SOFTWARE, YOU ARE DEEMED TO HAVE AGREED TO THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT.**

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6, beta 1 software in source or binary form and its associated documentation, as released at the [www.python.org](http://www.python.org) Internet site on August 4, 2000 ("Python 1.6b1").

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6b1 alone or in any derivative version, provided, however, that CNRI's License Agreement is retained in Python 1.6b1, alone or in any derivative version prepared by Licensee.

Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6,

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 158</b>

beta 1, is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1011. This Agreement may also be obtained from a proxy server on the Internet using the URL: <http://hdl.handle.net/1895.22/1011>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6b1 or any part thereof, and wants to make the derivative work available to the public as provided herein, then Licensee hereby agrees to indicate in any such work the nature of the modifications made to Python 1.6b1.

4. CNRI is making Python 1.6b1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6b1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING PYTHON 1.6b1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.


7. This License Agreement shall be governed by and interpreted in all respects by the law of the State of Virginia, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6b1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

1991 - 1995, Stichting Mathematisch Centrum Amsterdam,  
The Netherlands. All rights reserved.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 159</b>

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

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM 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.

#### 4.36 Silicon Graphics License


(c) Copyright 1994-9, Silicon Graphics, Inc.  
ALL RIGHTS RESERVED

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

THE MATERIAL EMBODIED ON THIS SOFTWARE IS PROVIDED TO YOU "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SILICON GRAPHICS, INC. BE LIABLE TO YOU OR ANYONE ELSE FOR ANY DIRECT, SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER, INCLUDING WITHOUT LIMITATION, LOSS OF PROFIT, LOSS OF USE, SAVINGS OR REVENUE, OR THE CLAIMS OF THIRD PARTIES, WHETHER OR NOT SILICON GRAPHICS, INC. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSS, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE POSSESSION, USE OR PERFORMANCE OF THIS SOFTWARE.

#### 4.37 TCP Wrappers License

Copyright 1995 by Wietse Venema. All rights reserved. Some individual files may be covered by other

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 160</b>

copyrights.

This material was originally written and compiled by Wietse Venema at Eindhoven University of Technology, The Netherlands, in 1990, 1991, 1992, 1993, 1994 and 1995.

Redistribution and use in source and binary forms are permitted provided that this entire copyright notice is duplicated in all such copies.

This software is provided "as is" and without any expressed or implied warranties, including, without limitation, the implied warranties of merchantability and fitness for any particular purpose.

#### 4.38 The FreeType Project License

##### The FreeType Project LICENSE

2006-Jan-27

Copyright 1996-2002, 2006 by  
David Turner, Robert Wilhelm, and Werner Lemberg

##### Introduction


The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeType font engine, various tools and contributions which rely on, or relate to, the FreeType Project.

This license applies to all files found in such packages, and which do not fall under their own explicit license. The license affects thus the FreeType font engine, the test programs, documentation and makefiles, at the very least.

This license was inspired by the BSD, Artistic, and IJG (Independent JPEG Group) licenses, which all encourage inclusion and use of free software in commercial and freeware products alike. As a consequence, its main points are that:

- We don't promise that this software works. However, we will be interested in any kind of bug reports. ('as is' distribution)
- You can use this software for whatever you want, in parts or full form, without having to pay us. ('royalty-free' usage)



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 161</b>

- You may not pretend that you wrote this software. If you use it, or only parts of it, in a program, you must acknowledge somewhere in your documentation that you have used the FreeType code. ('credits')

We specifically permit and encourage the inclusion of this software, with or without modifications, in commercial products. We disclaim all warranties covering The FreeType Project and assume no liability related to The FreeType Project.

Finally, many people asked us for a preferred form for a credit/disclaimer to use in compliance with this license. We thus encourage you to use the following text:

Portions of this software are copyright (c) <year> The FreeType Project (www.freetype.org). All rights reserved.

Please replace <year> with the value from the FreeType version you actually use.

## Legal Terms


### Definitions

Throughout this license, the terms 'package', 'FreeType Project', and 'FreeType archive' refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the 'FreeType Project', be they named as alpha, beta or final release.

'You' refers to the licensee, or person using the project, where 'using' is a generic term including compiling the project's source code as well as linking it to form a 'program' or 'executable'. This program is referred to as 'a program using the FreeType Engine'.

This license applies to all files distributed in the original FreeType Project, including all source code, binaries and documentation, unless otherwise stated in the file in its original, unmodified form as distributed in the original archive. If you are unsure whether or not a particular file is covered by this license, you must contact us to verify this.

The FreeType Project is 1996-2000 by David Turner, Robert Wilhelm, and Werner Lemberg. All rights reserved except as specified below.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 162</b>

## 1. No Warranty

THE FREETYPE PROJECT IS PROVIDED 'AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO USE, OF THE FREETYPE PROJECT.

## 2. Redistribution

This license grants a worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform, compile, display, copy, create derivative works of, distribute and sublicense the FreeType Project (in both source and object code forms) and derivative works thereof for any purpose; and to authorize others to exercise some or all of the rights granted herein, subject to the following conditions:


- Redistribution of source code must retain this license file ('FTL.TXT') unaltered; any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation. The copyright notices of the unaltered, original files must be preserved in all copies of source files.
- Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

## 3. Advertising

Neither the FreeType authors and contributors nor you shall use the name of the other for commercial, advertising, or promotional purposes without specific prior written permission.

We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation or advertising materials: 'FreeType Project', 'FreeType Engine',

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 163</b>

‘FreeType library’, or ‘FreeType Distribution’.

As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.

#### 4. Contacts

-----

There are two mailing lists related to FreeType:

- [freetype@nongnu.org](mailto:freetype@nongnu.org)

Discusses general use and applications of FreeType, as well as future and wanted additions to the library and distribution. If you are looking for support, start in this list if you haven't found anything to help you in the documentation.

- [freetype-devel@nongnu.org](mailto:freetype-devel@nongnu.org)

Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at

<http://www.freetype.org>


#### 4.39 Tiff License

1988-1997 Sam Leffler  
1991-1997 Silicon Graphics, Inc.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that

(i) the above copyright notices and this permission notice appear in all copies of the software and related documentation, and

(ii) the names of Sam Leffler and Silicon Graphics may not be used in any advertising or publicity relating to the software without the specific, prior written permission of Sam Leffler and Silicon Graphics.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 164</b>

THE SOFTWARE IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL SAM LEFFLER OR SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

#### 4.40 Unicode License

##### Unicode License

2001 Unicode, Inc.

##### Disclaimer

This source code is provided as is by Unicode, Inc. No claims are made as to fitness for any particular purpose. No warranties of any kind are expressed or implied. The recipient agrees to determine applicability of information provided. If this file has been purchased on magnetic or optical media from Unicode, Inc., the sole remedy for any claim will be exchange of defective media within 90 days of receipt.

##### Limitations on Rights to Redistribute This Code

Unicode, Inc. hereby grants the right to freely use the information supplied in this file in the creation of products supporting the Unicode Standard, and to make copies of this file in any form for internal or external distribution as long as this notice remains attached.


#### 4.41 X Consortium License

1998 Red Hat Software

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 165</b>

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

#### 4.42 **zlib License**

##### **The Zlib/libpng License**

<year> <copyright holders>

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.


Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.


#### 4.43 **OpenSceneGraph Public License**

OpenSceneGraph Public License, Version 0.0 Copyright (C) 2002 Robert Osfield. Everyone is permitted to copy and distribute verbatim copies of this licence document, but changing it is not allowed.


OPENSCENEGAPH PUBLIC LICENCE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION This library is free software; you can redistribute it and/or modify it under the terms of the OpenSceneGraph Public License (OSGPL) version 0.0 or later. Notes: the OSGPL is based on the LGPL, with the 4 exceptions laid out in the wxWindows section below. The LGPL is contained in the final section of this license. wxWindows Library Licence, Version 3 Copyright (C) 1998 Julian Smart, Robert Roebling [, ...] Everyone is permitted to copy and distribute verbatim copies of this licence document, but changing it is not allowed. WXWINDOWS LIBRARY LICENCE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 166</b>

Public Licence as published by the Free Software Foundation; either version 2 of the Licence, 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 Library General Public Licence for more details. You should have received a copy of the GNU Library General Public Licence along with this software, usually in a file named COPYING.LIB. If not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA. EXCEPTION NOTICE 1. As a special exception, the copyright holders of this library give permission for additional uses of the text contained in this release of the library as licenced under the wxWindows Library Licence, applying either version 3 of the Licence, or (at your option) any later version of the Licence as published by the copyright holders of version 3 of the Licence document. 2. The exception is that you may use, copy, link, modify and distribute under the user's own terms, binary object code versions of works based on the Library. 3. If you copy code from files distributed under the terms of the GNU General Public Licence or the GNU Library General Public Licence into a copy of this library, as this licence permits, the exception does not apply to the code that you add in this way. To avoid misleading anyone as to the status of such modified files, you must delete this exception notice from such code and/or adjust the licensing conditions notice accordingly. 4. If you write modifications of your own for this library, it is your choice whether to permit this exception to apply to your modifications. If you do not wish that, you must delete the exception notice from such code and/or adjust the licensing conditions notice accordingly. GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, 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


<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 167</b>

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. GNU LESSER GENERAL PUBLIC LICENSE 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


<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 168</b>

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




<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 169</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 170</b>

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**

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 171</b>

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

How to Apply These Terms to Your New Libraries If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License). To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found. , 1 April 1990 Ty Coon, President of Vice That's all there is to it!

#### 4.44 Public Domain


Being in the public domain is not a license; rather, it means the material is not copyrighted and no license is needed. Practically speaking, though, if a work is in the public domain, it might as well have an all-permissive non-copyleft free software license. Public domain material is compatible with the GNU GPL.

If you want to release your work to the public domain, we encourage you to use formal tools to do so. We ask people who make small contributions to GNU to sign a disclaimer form; that's one solution. If you're working on a project that doesn't have formal contribution policies like that, CC0 is a good tool that anyone can use. It formally dedicates your work to the public domain, and provides a fallback license for cases where that is not legally possible.

#### 4.45 GNU Library General Public License v2 or later

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 172</b>

59 Temple Place, Suite 330, Boston, MA 02111-1307 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 Library GPL. It is numbered 2 because it goes with  
version 2 of the ordinary GPL.]

#### 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 Library General Public License, applies to some specially designated Free Software Foundation software, and to other libraries whose authors who decide to use it. You can use it for your libraries 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 this service 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 make restrictions that forbid anyone to deny you these rights or to ask you to surrender the 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 a program 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.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 173</b>

full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

## TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION


**0.** This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library 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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 174</b>

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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 175</b>

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 compile 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

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 176</b>

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) 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.
- c) 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.
- d) 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 source code 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.



<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 177</b>

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 to 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 Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 178</b>

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

### How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 179</b>

the "copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.  
Copyright (C) year name of author

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 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 Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!


#### 4.46 X11 License

Copyright (C) 1996 X Consortium

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 180</b>

THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

X Window System is a trademark of X Consortium, Inc.

#### 4.47 Apache License Version 1.1

Copyright (c) 2000 The Apache Software Foundation. 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 end-user documentation included with the redistribution, if any, must include the following acknowledgment:

"This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>)."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "Apache" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact [apache@apache.org](mailto:apache@apache.org).
5. Products derived from this software may not be called "Apache", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.

THIS SOFTWARE IS PROVIDED "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 APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 181</b>

(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 software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.


Portions of this software are based upon public domain software originally written at the National Center for Supercomputing Applications, University of Illinois, Urbana-Champaign.

#### 4.48 INFO-ZIP License

This is version 1999-Oct-05 of the Info-ZIP copyright and license. The definitive version of this document should be available at <ftp://ftp.cdrom.com/pub/infozip/license.html> indefinitely. Copyright (c) 1990-1999 Info-ZIP. All rights reserved. For the purposes of this copyright and license, "Info-ZIP" is defined as the following set of individuals: Mark Adler, John Bush, Karl Davis, Harald Denker, Jean-Michel Dubois, Jean-loup Gailly, Hunter Goatley, Ian Gorman, Chris Herborth, Dirk Haase, Greg Hartwig, Robert Heath, Jonathan Hudson, Paul Kienitz, David Kirschbaum, Johnny Lee, Onno van der Linden, Igor Mandrichenko, Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel, Steve Salisbury, Dave Smith, Christian Spieler, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White This software is provided "as is," without warranty of any kind, express or implied. In no event shall Info-ZIP or its contributors be held liable for any direct, indirect, incidental, special or consequential damages arising out of the use of or inability to use this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. Redistributions of source code must retain the above copyright notice, definition, disclaimer, and this list of conditions. 2. Redistributions in binary form must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. 3. Altered versions--including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, and dynamic, shared, or static library versions--must be plainly marked as such and must not be misrepresented as being the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases--including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or of the Info-ZIP URL(s). 4. Info-ZIP retains the right to use the names "Info-ZIP," "Zip," "UnZip," "WiZ," "Pocket UnZip," "Pocket Zip," and "MacZip" for its own source and binary releases.

#### 4.49 JasPer License

Permission is hereby granted, free of charge, to any person (the "User") obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute,

<b>BOSCH</b> 	<b>OSS Disclosure Document</b>	<b>Date: 03-March-2017</b>
<b>CM-CII/PJ-CB</b>	<b>OSS Licenses used in RN_AIVI Project</b>	<b>Page 182</b>

and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

1. The above copyright notices and this permission notice (which includes the disclaimer below) shall be included in all copies or substantial portions of the Software.
2. The name of a copyright holder shall not be used to endorse or promote products derived from the Software without specific prior written permission.

THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF THE SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER. THE SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, OR 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. NO ASSURANCES ARE PROVIDED BY THE COPYRIGHT HOLDERS THAT THE SOFTWARE DOES NOT INFRINGE THE PATENT OR OTHER INTELLECTUAL PROPERTY RIGHTS OF ANY OTHER ENTITY. EACH COPYRIGHT HOLDER DISCLAIMS ANY LIABILITY TO THE USER FOR CLAIMS BROUGHT BY ANY OTHER ENTITY BASED ON INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OR OTHERWISE. AS A CONDITION TO EXERCISING THE RIGHTS GRANTED HEREUNDER, EACH USER HEREBY ASSUMES SOLE RESPONSIBILITY TO SECURE ANY OTHER INTELLECTUAL PROPERTY RIGHTS NEEDED, IF ANY. THE SOFTWARE IS NOT FAULT-TOLERANT AND IS NOT INTENDED FOR USE IN MISSION-CRITICAL SYSTEMS, SUCH AS THOSE USED IN THE OPERATION OF NUCLEAR FACILITIES, AIRCRAFT NAVIGATION OR COMMUNICATION SYSTEMS, AIR TRAFFIC CONTROL SYSTEMS, DIRECT LIFE SUPPORT MACHINES, OR WEAPONS SYSTEMS, IN WHICH THE FAILURE OF THE SOFTWARE OR SYSTEM COULD LEAD DIRECTLY TO DEATH, PERSONAL INJURY, OR SEVERE PHYSICAL OR ENVIRONMENTAL DAMAGE ("HIGH RISK ACTIVITIES"). THE COPYRIGHT HOLDERS SPECIFICALLY DISCLAIM ANY EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR HIGH RISK ACTIVITIES.