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(1 > fragment is last, 0 > more fragments to follow. The other 31 bits encode the byte length of the fragment. /

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(b) Updates: Synopsys will use commercially reasonable efforts to provide Updates as they become generally available. Any other upgrades or enhancements to the Licensed Products are not made available by Synopsys as part of Maintenance Services and may be subject to additional charges.

1.25. Updates to Terms: Synopsys may update its Maintenance Services terms on 60 days prior written notice, provided that these updates are applied generally to its Maintenance Services customers.

1.26. Conditions: In order to receive Maintenance Services for a Licensed Product, all of the following conditions must be met:

(a) you must have purchased Maintenance Services for such Licensed Product (unless it is licensed under a TSL, in which case Maintenance Services are included);

(b) you must appoint a qualified contact person trained in the use of the Licensed Product to interface with Synopsys regarding Maintenance Services, and identify such person to Synopsys in advance;

(c) you must provide Synopsys with access to the information and system facilities reasonably necessary to provide the Maintenance Services;

(d) you must follow the directions provided by the Synopsys Support Center to resolve technical problems;

(e) you must follow the operating instructions and procedures for the Licensed Product as specified in the Documentation or provided by Synopsys; and

(f) you must notify Synopsys of any error or other problem in the Licensed Product using Synopsys's current problem reporting procedure.

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(b) you must monitor each End User's use of the Licensed Products to ensure that the End User abides by the terms of this agreement.

Term and Termination

1.33. Term of Agreement: The term of this agreement will begin on the effective date stated on the signature page and will end when the last Purchasing Agreement expires, unless this agreement is terminated sooner by either party.

1.34. Term of Purchasing Agreement: Each Purchasing Agreement will have its own term, as indicated on that Purchasing Agreement.

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purpose, title, or non-infringement and any warranties arising from a course of dealing or usage of trade.

Infringement Claims

1.41. Indemnity: Synopsys will, at its own expense, be entitled to defend (or at its sole option, settle) any claim asserted against you by a third party that any Licensed Product you obtained from Synopsys under this agreement directly infringes any U.S. patent, copyright, trademark, or trade secret. Synopsys will indemnify you for any damages you suffer and costs you reasonably incur that are directly attributable to any such claim and that are assessed against you in a final, non-appealable judgment or agreed upon by Synopsys in a settlement.

1.42. Conditions: Synopsys's obligations to defend and indemnify you with respect to a particular claim are subject to the following conditions:

- (a) you must promptly give Synopsys written notice of the claim;
- (b) you must identify the specific Licensed Product(s) at issue in the claim and indicate how the Licensed Product(s) is(are) utilized by you or your products;
- (c) you must give Synopsys sole control and authority over the defense and settlement of the claim; and
- (d) you must provide Synopsys with all information you have regarding the claim and cooperate with Synopsys when Synopsys defends or attempts to settle the claim.

1.43. Pro-Active Steps: If any Licensed Product is, or Synopsys believes is likely to become, the subject of a claim for which Synopsys would be obligated to defend and indemnify you, then Synopsys may, at its option, do any of the following:

- (a) obtain for you (at no cost to you) the right for you to continue using the Licensed Product as permitted by this agreement;
- (b) replace or modify the Licensed Product to avoid the infringement problem, as long as there is no material loss of functionality; or
- (c) if Synopsys reasonably concludes that it will not be feasible to do either of the above, terminate your license for the Licensed Product and give you a prorated refund (based on how much of the License Term has elapsed) of the Fees you paid for that license.

1.44. Exclusions: Synopsys will have no obligation to defend or indemnify you (notwithstanding the first paragraph of this section) with respect to any claim that is based on or attributable to any of the following:

- (a) any modification made to the Licensed Product by anyone other than Synopsys;
- (b) the combination or use of the Licensed Product with other products, processes, or materials not supplied by Synopsys or specified in the Documentation as being necessary to use the Licensed Product;
- (c) your continued engagement in infringing activities after you were notified of the infringement or after Synopsys informed you of a modification or workaround that would have avoided the infringement; and
- (d) your use of the Licensed Product in a manner not permitted by this agreement.

1.45. Burden of Proof: You will have the burden of showing that indemnification is required pursuant to this section 9 and that the exclusions in section 9.4 are not applicable.

1.46. No Other Obligations: Except as expressly stated in this section 9, Synopsys has no obligation or liability to you for any actual or alleged infringement related to the Licensed Products, Documentation, or Design Techniques.

Other Terms

1.47. Ownership of IP Rights: Synopsys and its licensors own all Intellectual Property Rights in the Licensed Products, Documentation, and Design Techniques. Your only rights in the Licensed Products, Documentation, and Design Techniques are the rights expressly granted in this agreement; all other rights are reserved by Synopsys. Synopsys's licensors are third-party beneficiaries of, and thus may enforce against you, the license restrictions and confidentiality obligations in this agreement with respect to their intellectual property and proprietary information. You will own all Intellectual Property Rights in the Designs you create using the Licensed Products, Documentation, and Design Techniques, subject to Synopsys's (and its licensors') ownership of the Intellectual Property Rights in the Licensed Products, Documentation, and Design Techniques. Synopsys may freely use and disseminate any Feedback you provide. You agree not to claim that Synopsys owes you any compensation for its use or dissemination of such Feedback.

1.48. OMITTED

1.49. OMITTED

1.50. Limitation of Liability: For each product or service you license or purchase from Synopsys under this agreement, Synopsys's total, cumulative liability to you, including under section 9, is limited to the amount of Fees you paid for that product or service (regardless of the nature of the liability or the nature or number of claims giving rise to the liability). Synopsys will not, under any circumstances or any theory of liability, be liable to you for any lost profits, loss of data, or consequential, incidental, or special damages arising from this agreement or the products and services provided to you under this agreement. However, this disclaimer of Synopsys's liability for consequential damages does not limit or reduce Synopsys's obligations to defend and indemnify you under section 9. The limitations of liability in this section are a fundamental part of this agreement and enable Synopsys to provide products and services to you at lower prices. These limitations of liability are intended to apply even if an exclusive remedy is found to have failed of its essential purpose.

1.51. Export Controls: You shall remain familiar with your obligations under any and all laws, statutes, regulations, ordinances of any local, states, federal, national, or other jurisdictional locality, as applicable to the export, import, and/or end-use of Synopsys products, technology, and services. Products and/or technology sold under this agreement may be subject to various Export Control Laws and Regulations including but not limited to, U.S. Export Administration Regulations (EAR), the U.S. Office of Foreign Asset Control (OFAC), the European Union (EU) Export Control Regime Regulation (EC) No. 428/2009, and/or the EU Consolidated Sanctions List. Where a product and/or technology is identified as export controlled from the country(ies) of export to (1) the destination country(ies), (2) a restricted/proscribed end use, and/or (3) a restricted end user, a government-issued export license must be obtained prior to fulfillment under this agreement and in accordance with all applicable laws. You agree that Synopsys shall not be required to complete delivery of export controlled products or technology unless and until all required export licenses have been obtained.

1.52. Governing Law; Jurisdiction: This agreement is governed by the laws of the United States and the State of California, without regard to conflicts of laws principles. The federal and state courts located in Santa Clara County, California have exclusive jurisdiction over any disputes

arising from or relating to this agreement, and each party consents to such jurisdiction and venue.

1.53. Notices: Any notice, approval, consent, or other communication intended to have legal effect under this agreement must be given to the other party in writing, must be sent by first-class, registered, or overnight mail or private overnight courier (to the address for the other party stated on the signature page, unless the other party has given notice of a new address), and will be deemed given upon receipt or when delivery is refused. A copy of any communication sent to Synopsys must also be sent to the attention of the General Counsel.

1.54. Waivers: Either party's failure to enforce any provision of this agreement will not be deemed a waiver of the future enforcement of that provision or enforcement of any other provision. In order to be binding, a waiver must be in writing and signed by the party giving the waiver.

1.55. Independent Contractors: The parties to this agreement are independent contractors. Neither party is the agent or partner of the other party, or has any power or authority to act on behalf of the other party.

1.56. Severability: If any provision in this agreement is found to be invalid or unenforceable as written, the remaining provisions will remain in full force and effect and the invalid or unenforceable provision is to be construed (and, if necessary, modified) so that it is valid and enforceable to the greatest extent possible.

1.57. Attorneys' Fees: The prevailing party in any action to enforce this agreement will be entitled to recover costs and expenses including reasonable attorneys' fees.

1.58. Remedies: Except where this agreement expressly provides exclusive remedies, all rights and remedies of either party (including termination rights) are cumulative. You agree that monetary damages alone would not be an adequate remedy, and therefore Synopsys will be entitled to injunctive relief if you materially breach the license restrictions or confidentiality provisions in this agreement.

1.59. Force Majeure: Each party will be excused from performance of its obligations under this agreement, except payment obligations, to the extent that performance is rendered impossible by earthquake, fire, flood, governmental action, labor disruptions, supplier failures, or any other event or circumstance beyond that party's reasonable control.

1.60. Construction: Section headings in this agreement are for convenience only. The word "including" (and variations thereof) is not intended to be limiting. No rule of strict construction is to be used when interpreting this agreement.

1.61. Counterparts: This agreement may be signed in multiple counterparts, each of which will be deemed an original and which together will constitute one instrument.

1.62. Press Release: The parties intend to work together to prepare and publish a mutually acceptable press release concerning this agreement.

1.63. Government Users: If you are a branch or agency of the United States Government, or are acquiring any Licensed Product on behalf of any branch or agency of the United States Government, then the following provision applies. The Licensed Products and Documentation are comprised of "commercial computer software" and "commercial computer software documentation", as such terms are used in 48 C.F.R. 12.212, and are provided to the Government (a) for acquisition by or on behalf of civilian agencies, consistent with the policy

set forth in 48 C.F.R. 12.212; or (b) for acquisition by or on behalf of units of the Department of Defense, consistent with the policies set forth in 48 C.F.R. 227.7202-1 and 227.7202-3.

1.64. Synopsys Entities: Synopsys, Inc. and its wholly-owned subsidiaries, including, but not limited to, Synopsys International Limited, Synopsys International Limited Taiwan Branch, Synopsys Korea, Inc., Synopsys Technologies Company Limited and Nihon Synopsys, G.K., have agreed to their respective rights and obligations regarding the distribution of the Licensed Products and the performance of obligations related to the Licensed Products. You acknowledge that: (a) Synopsys Inc. or any directly or indirectly wholly-owned subsidiary or branch of Synopsys, Inc. may treat a purchase order addressed to that entity, representative office or branch as having been addressed to the appropriate entity or entities or branch with distribution rights for the geographic region in which the Licensed Products will be used; and (b) delivery will be completed by the Synopsys entity or branch with distribution rights for the geographic region in which the Licensed Products will be used or service will be provided. For products used or services provided in the Americas, Israel or Africa, the distributing Synopsys entity is Synopsys, Inc., based in California, USA. For products used or services provided in Taiwan, the distributing Synopsys entity is Synopsys International Limited Taiwan Branch, based in Taiwan. For products used or services provided in the Republic of Korea, the distributing Synopsys entity is Synopsys Korea, Inc., based in the Republic of Korea. For products used or services provided in the People's Republic of China (PRC), the distributing Synopsys entity is Synopsys Technologies Company Limited or Synopsys International Limited. For products used or services provided in Russia, the distributing Synopsys entity is Synopsys LLC (Moscow) or Synopsys, Inc.. For products used or services provided in Japan, the distributing Synopsys entity is Nihon Synopsys G. K., based in Japan. For products used or services provided in any country other than those identified above, the distributing Synopsys entity is Synopsys International Limited, based in Ireland.

1.65. Entire Agreement: This agreement and any applicable attachments and Purchasing Agreements are the entire agreement between the parties concerning its subject matter, and supersede any prior or contemporaneous agreements, communications, or understandings (whether written or oral). However, any confidentiality or nondisclosure agreements that Synopsys previously entered into with you will remain in effect (according to their terms) with respect to the confidential information disclosed thereunder.

1.66. Amendments: This agreement may be amended only by means of a written instrument signed by authorized representatives of both parties that specifically refers to this agreement and states the parties' intention to amend it. No additional or inconsistent terms on any purchase order or similar document you may submit to Synopsys will be binding on Synopsys or have any legal effect.

Glossary of Definitions

API means application programming interface for accessing specific functionality of an ARC MQX Product.

ARC MQX End Customer means a customer to whom you distribute an ARC MQX Licensee Product and who shall be obligated to maintain the confidentiality of any provided Documentation, and not expose any API of the ARC MQX Product to any third party.

ARC MQX Licensee Executable means an application program, in executable form, statically linked with and using certain APIs of an ARC MQX Product, for execution solely on an embedded ARC processor.

ARC MQX Licensee Product means a product owned by you, that is specifically identified to Synopsys in a Purchasing Agreement or other document accepted by Synopsys, and that incorporates an embedded processor and the ARC MQX Licensee Executable.

ARC MQX Product means the Synopsys real-time operating system platform for the ARC processor architecture including associated source files, application programming interfaces files, and utilities for use in creating applications that run on the ARC processor architecture.

ARC Software Development Product means any MetaWare Products, nSIM Products and xCAM Products.

Board Support Package Features means those configuration files in an ARC MQX Product that define hardware components with which the ARC MQX Licensee Executable is intended to interoperate.

Client means an instance of a Licensed Product running on a computer. This means, for example, that two Clients can be either two instances of a Licensed Product running on the same computer or one instance of a Licensed Product running on each of two computers.

Confidential Information of Synopsys means (a) the Licensed Products (in any form), the Documentation, the License Keys, and SolvNet; (b) Design Techniques and all ideas and information (such as algorithms, design rules, and design techniques) contained or embodied in the Licensed Products, Documentation, License Keys, or SolvNet; (c) the prices, discounts, payment terms, and other information in the Purchasing Agreements; (d) Synopsys Training Services materials including without limitation presentations, demonstrations, software and course handouts, and (e) any other confidential or proprietary information that Synopsys provides to you in connection with this agreement. Your Confidential Information is any confidential or proprietary information in (i) written form that you provide to Synopsys in order for Synopsys to fulfill your orders and provide products and services to you under this agreement, and (ii) oral form that you provide to Synopsys in order to receive Maintenance Services; as long as you notify Synopsys at the time of disclosure that such information is to be treated as confidential under this agreement. However, Feedback is not your Confidential Information. Also, Confidential Information does not include any of the following:

- (1) information that has become generally available to the public, through no fault of yours (in the case of Synopsys Confidential Information) or Synopsys (in the case of your Confidential Information) and that is not still regarded as a trade secret under laws governing information that was negligently or maliciously distributed;
- (2) information that the receiving party had already obtained in a tangible form, through lawful means, before obtaining it under this agreement;
- (3) information that the receiving party developed independently, without the use of any materials or information obtained from the other party in connection with this agreement;
- (4) information that the receiving party has lawfully obtained, in a tangible form, from a third party that had the right to provide it to the receiving party; or

(5) information that the disclosing party releases for publication in writing.

Design means a representation of an electronic circuit or device that you create through the use of one or more Licensed Products. The representation may exist in various formats including, but not limited to, equations, truth tables, schematic diagrams, textual descriptions, hardware description languages, executable software source code and netlists.

DesignWare has the meaning given in section 1 of the Terms and Conditions.

Design Database means a design database for your Design that incorporates DesignWare in any format (except unencrypted source code for Implementation IP), along with all copyright and other proprietary legends for such DesignWare.

Design Techniques means Synopsys-supplied algorithms, data, circuit and logic elements, libraries, rule bases, search strategies, and other technical information used in the process of creating Designs.

DesignWare Fee-Per-Use Core means an IP core (as this term is understood in the semiconductor industry) for which Synopsys charges an additional fee each time it is used in the design of an integrated circuit.

Documentation means any user manuals, reference manuals, release, application and methodology notes, written utility programs, and other materials in any form provided by Synopsys for use with a Licensed Product.

End User means an individual who works for you as an employee or independent contractor and whom you designate and authorize to access and use a Licensed Product as permitted by this agreement.

Error means a defect in a Licensed Product that causes it to deviate substantially from the specifications in the corresponding Documentation.

Feedback means any ideas or suggestions you voluntarily provide to Synopsys (in any manner, whether in writing or orally or otherwise) regarding the Licensed Products, Documentation, or Design Techniques, including possible enhancements or improvements.

Fees means the amounts you must pay when you purchase products and services from Synopsys under this agreement, as identified in each Purchasing Agreement.

FTP Server means a Synopsys server that you can access via the Internet in order to download Licensed Products you have ordered.

Implementation IP means synthesizable designs (other than Verification IP).

Integrated Design means a Design that combines Implementation IP with the Design and does not consist primarily of Implementation IP.

Intellectual Property Rights means all patent rights, copyrights, trade secret rights, mask works, and trademark rights (including service marks and trade names), and any applications for these rights, in all countries.

Key Server means the computer with the host I.D. number that is identified in the License Key and which controls access to and enables the use of a Licensed Product.

License Key means a document (in physical or electronic format) provided by Synopsys that identifies: (a) the Licensed Product, including version number, licensed to you; (b) the Key Server; (c) the number of permitted Clients; and (d) the codes that initialize use of the Key Server.

License Term means the period of time during which you may use a Licensed Product under a particular license.

Licensed Design Partner means a third party that (a) you have engaged to work with you on a common Design; and (b) has a valid Synopsys end user license agreement for the DesignWare used in your Design.

Licensed Products has the meaning given in section 1 of the Terms and Conditions.

Licensed Software has the meaning given in section 1 of the Terms and Conditions.

Maintenance Services has the meaning given in section 1 of the Terms and Conditions.

MetaWare Product means a Synopsys software development tool used to create, profile and debug software applications that run on an embedded microprocessor, identified by Synopsys with the product name "MetaWare".

nSIM Product means a Synopsys software model of the instruction set of an embedded ARC microprocessor, identified by Synopsys with the product name "nSIM".

Open Source Software has the meaning given in section 2.12 of the Terms and Conditions.

Parent Entity means a person, company or other entity that owns, directly or indirectly, more than fifty percent (50%) of your assets or of the stock or other equity interests entitled to vote for your directors or equivalent managing authority.

Purchasing Agreement means the applicable Synopsys sales quotation, FSA schedule, purchase agreement or other agreement describing (among other things) the products and services that you have licensed or purchased, including pricing information.

SolvNet means Synopsys's suite of online support services accessible via the Internet.

Synopsys Competitor means any corporation or other legal entity in the business of developing and/or marketing (including making generally commercially available to end user customers) one or more electronic design automation software products or intellectual property cores or related services.

System-on-Chip means an integrated circuit which integrates the microcontroller, microprocessor, peripherals and interfaces in a single Design.

TSL means a time-based technology subscription license of a Licensed Product. A TSL lasts for a specific period of time (the License Term) from when the license is delivered and includes (at no additional charge) Maintenance Services for the Licensed Product in question.

Updates means error corrections and minor improvements to the Licensed Products.

Use Area for a Licensed Product means a single geographical site that you own or occupy as your place of business, which may consist of one or more buildings located within 5 miles of one another, and in which the Key Servers, Clients, and End Users for that Licensed Product are all located, except as modified by the right to allow End Users to telecommute or use over a WAN in section 2.6.

Verification IP means test benches (including software models, test suites, and monitors) that simulate, test, and verify the functionality of certain electronic circuits or devices.

WAN means a wide area network as referred to in section 2.6.

xCAM Product means a Synopsys software development tool that creates and uses cycle-accurate software models of an embedded ARC microprocessor, identified by Synopsys with the product name "xCAM".

You (and variations thereof) means the entity that signs or agrees to this agreement as the customer.

Software. When ordering these Core Software, you will be given an opportunity to review the additional terms and conditions that must be accepted for you to receive the Core Software. If the additional terms and conditions conflict in any way with the terms and conditions stated here, the additional terms and conditions will prevail.

2. Licenses

2.1 Your License Rights: When you purchase a license to Core Software, upon delivery of the Core Software you will have a nonexclusive right to:

- (a) internally use and reproduce the Core Software solely to design, test, and verify the applicable Licensee IC for your manufacture and subsequent sale;
- (b) create Modifications to the Core Software solely to the extent necessary to design, test, and verify the applicable Licensee IC, subject to sections 2.5 and 2.6; and
- (c) manufacture (or have manufactured by a third party, as described in section 2.4) the applicable Licensee ICs incorporating the licensed Core.

2.2 Users: Except as described in sections 2.3 and 2.4, you will allow only those of your employees who are on the single design team responsible for designing or testing your Licensee IC to access the Core Software. You are responsible for the acts and omissions of your employees, agents, and permitted Contractors and third-party manufacturers with respect to any use of the Core Software or Synopsys Confidential Information, including any breaches of this agreement that they may commit.

2.3 Contractors: You may also allow Contractors to access certain parts of the Core Software as follows:

- (a) For Core Software that is in netlist or encrypted RTL form, you may allow Contractors that are not Synopsys Competitors to access that Core Software either on your physical premises or on theirs. Contractors that are Synopsys Competitors may access the netlist or encrypted RTL only while on your physical premises.
- (b) For Core Software that is in source code form, you may allow Contractors that are not Synopsys Competitors to access that Core Software only on your physical premises. You may not allow Contractors that are Synopsys Competitors to access this source code at all.
- (c) In all cases, you may allow Contractors to access the Core Software only on a “need-to-know” basis, only to allow them to perform design services on the Licensee IC in accordance with your license, and subject to a written confidentiality agreement that is at least as protective as the confidentiality terms set forth in this agreement.

2.4 Third-Party Manufacturers: You may have a third-party manufacturer make Licensee ICs incorporating the licensed Core for you if you make sure all of the following conditions are met:

- (a) the resulting Licensee ICs must be made for sale or use only by you;
- (b) the designs and specifications you give to the manufacturer contain sufficient detail so that no additional design work is performed by the manufacturer (except for the simple adaptation of your designs to the manufacturer’s own normal production processes);
- (c) you provide those designs and specifications to the manufacturer only for the purpose of making the Licensee ICs for you, and subject to confidentiality provisions that are at least as protective as those in this agreement; and
- (d) you do not give source code for any Core Software to the manufacturer.

2.5 Hard IP Cores. If you license any Cores that are Hard IP Cores, you understand that you may be required to obtain appropriate licenses to technology libraries (such as standard cell

and I/O libraries) from a supplier of such libraries, and that if this is case, you are responsible for getting these licenses at your own cost. You also agree that you may not make Modifications to Hard IP Cores without first obtaining Synopsys' prior written consent. Your use of each Hard IP Core is limited to the applicable manufacturer and process node specified in the Purchasing Agreement, and you may not use the Hard IP Core for any other manufacturer or process node.

2.6 Ownership: The Core Software and all Modifications (including all Intellectual Property Rights in them) are owned by Synopsys and its licensors. If you have any rights in any Modifications, you hereby irrevocably assign ownership of those Modifications (and all Intellectual Property Rights in them) to Synopsys. However, you are under no obligation to actually disclose any such Modifications to Synopsys, and they will automatically be licensed to you as "Core Software" pursuant to section 2.1. There are no implied licenses granted under this agreement, and all rights not expressly granted to you are reserved to Synopsys.

2.7 Conditions: Your right to use the Core Software is conditioned upon your timely payment of the full amount of Fees due for the Core Software (if any) and your compliance with the terms of this agreement, including the following restrictions. For Core Software with a license term, when the license term expires your license rights also expire and you may no longer use the Core Software.

2.8 Restrictions: You may not (and may not allow anyone else to):

- (a) copy or use any Core Software (or Documentation) in any manner that is not expressly allowed by the license rights stated above;
 - (b) decompile, reverse engineer, or otherwise attempt to derive the source code for any Core Software, or any underlying algorithms, user interface techniques, or other ideas embodied in Core Software, that is not provided to you in unencrypted source code or RTL format;
 - (c) tamper with, or attempt to circumvent or disable, any License Key (this includes, for example, resetting the CPU time in order to extend the license term (if any), or using a false host ID number or additional virtualized copy(ies) of the host ID number to enable unauthorized copies of a License Key);
 - (d) distribute any copy of Core Software (or Documentation) except as expressly allowed by the license rights stated above, or allow anyone other than your End Users to have access to or use (such as in a timesharing, service bureau, or application service provider model) any Core Software;
 - (e) use Core Software or its output to create, modify, or simulate Designs for third parties or to develop or enhance any product that competes with a Synopsys product;
 - (f) disclose the results of any benchmarking of Core Software (whether or not the results were obtained with assistance from Synopsys) to any third party; or
 - (g) use Core Software in the development of any product if the failure or malfunction of that product could reasonably be expected to result in personal injury, death, or catastrophic loss.
- If the License Key limits the number of End Users who may use a Core Software simultaneously or the number of simultaneous Clients, you must ensure that this limit is not exceeded, by platform virtualization or any other means.

2.9 Copies: If you make backup or archival copies of Core Software or Documentation, you must reproduce all copyright, trademark, and other notices that appear on the original copy.

2.10 Transfers and Assignments: You may not transfer or assign your license rights to any other person in any manner (by assignment, operation of law or otherwise) unless you have obtained written consent from Synopsis. If you attempt to transfer or assign any of your license rights without Synopsis's consent, the transfer or assignment will be ineffective, null, and void (and you will be in material breach of this agreement). For purposes of this section 2.10, a transfer or assignment of your license rights will be deemed to have occurred (a) if a third party (or group of third parties acting in concert) acquires beneficial ownership of fifty percent (50%) or more of either (i) your or a Parent Entity's assets or (ii) the stock or other equity interests entitled to vote for your or a Parent Entity's directors or equivalent managing authority, or (b) in the event of a merger, consolidation or other business combination between you or a Parent Entity and one or more third parties where your or a Parent Entity's stockholders immediately before that transaction own (directly or indirectly), after that transaction, less than fifty percent (50%) of the stock or other equity interests entitled to vote for the directors or equivalent managing authority of the surviving entity.

3 Order and Delivery

3.1 Ordering Synopsis Products: You may order the products and services identified in the Purchasing Agreements at any time by submitting an order to Synopsis through Synopsis's on-line ordering system or as otherwise directed by Synopsis. When using Synopsis's on-line ordering system, you shall be responsible for ensuring that all information you provide is accurate and complete and that any person placing an order on your behalf has your authority to do so. Once you submit an order, you may not cancel or change it. Your order must indicate which products and services you want to purchase, including any information Synopsis would need to fulfill your order. Synopsis may, in its reasonable discretion, accept or reject your order. Synopsis may accept your order by sending you written or electronic notice of acceptance or simply by fulfilling your order.

3.2 Delivery: If Synopsis accepts your order for one or more Core Software, Synopsis will then deliver to you the Core Software along with the corresponding Documentation and License Keys (if applicable). Synopsis will deliver these materials to you by EST except where prohibited by law.

3.3 EST: When Synopsis delivers Core Software by EST, Synopsis will send you an e-mail to your designated EST e-mail address(es) to notify you that the Core Software is available. Synopsis's obligation to deliver the Core Software will be fulfilled when this e-mail notice is sent. You will be responsible for downloading or requesting for delivery the Core Software and Documentation from the FTP Server and the applicable License Key from Synopsis's website at www.synopsys.com, unless Synopsis gives you other instructions. You must notify Synopsis in writing if you change your EST e-mail address(es).

3.4 Tangible Media: When Synopsis delivers Core Software to you on tangible media, the media may contain other software programs in addition to the Core Software. If it does, you will not have a license to use (and the License Keys for the Core Software will not permit you to use) these other software programs, and you must not attempt to access, use, reproduce, modify, reverse engineer, or otherwise tamper with these other software programs. If you lose or damage the media, Synopsis will, at your request, provide a replacement at a nominal charge. All deliveries of tangible items will be made F.O.B. Origin.

4. Fees and Payment

4.1 Fees and Royalties: The applicable license fees and royalties (if any) for the Core Software are specified in the Purchasing Agreement. You agree to pay the Fees according to the payment terms in the applicable Purchasing Agreement.

4.2 Payments: If the applicable Purchasing Agreement does not contain specific payment terms for the Fees in question, payment of those Fees will be due within 30 days after the date of Synopsys's invoice. If you do not pay an amount by the scheduled due date, Synopsys will have the right to withhold the delivery of License Keys and/or terminate this agreement or a Purchasing Agreement and accelerate the due date of all remaining payments. In this event, you will owe the entire outstanding balance as soon as you receive written notice from Synopsys that your payment is due. All payments you make to Synopsys are non-refundable. You may not offset any amounts you believe Synopsys owes you against any payments you make to Synopsys under this agreement. You must make payments in U.S. dollars. If you do not pay an amount by the due date, you must also pay a late payment charge of 1.5% per month or the highest rate permitted by law, whichever is less.

4.3 Taxes: You will be solely responsible for paying all taxes (including sales, use, consumption, withholding, and value-added taxes and similar taxes), other than Synopsys's income taxes, that are imposed on or result from your purchase, license, or use of Synopsys products and services. If Synopsys is required by law to collect and remit any such taxes, Synopsys may invoice you for such taxes and you agree to pay the invoiced amount to Synopsys. If you are required by the respective jurisdiction where the Core Software are used, or where services are provided, to withhold taxes from payments to Synopsys, you may withhold from the total amount due to the respective Synopsys distributing entity the minimum amount required (but no more). You may only withhold taxes related to a payment at the time of such payment. You must then promptly pay that amount to the appropriate tax authority and provide Synopsys with an official receipt for the payment within 60 days of your payment.

4.4 Bankruptcy: If you become the subject of any bankruptcy, dissolution, liquidation, or similar proceedings or make a general assignment for the benefit of your creditors, Synopsys may apply any payments you have previously made to Synopsys for products or services not yet delivered by Synopsys against any amounts you owe Synopsys at that time for products or services that have been delivered by Synopsys (under this agreement or otherwise).

4.5 Royalty Reporting and Payment: If royalties are applicable, then within 30 days after the end of each calendar quarter following the effective date of this agreement, you will submit a royalty report to Synopsys via email to royalty@synopsys.com, on a form approved by Synopsys, that accurately sets forth the number of units of each Licensee IC that you sold, distributed, or otherwise disposed of during that quarter, along with payment of all reported amounts. You are to submit a royalty report even during quarters where you report no sales, distributions, or disposals of Licensee ICs. Note that you will continue to be obligated to make royalty reports and pay royalties until you permanently discontinue sales or distributions of the applicable Licensee IC. In the event of such a discontinuation, you will provide Synopsys with a written certification that the Licensee IC has been discontinued, along with a final royalty report for the applicable Licensee IC.

4.6 OMITTED

5. Core Support Services

5.1 Core Support Services: Core Support Services, for the first 12 months after the initial delivery of the Core Software, are included in the price of a Use of the Core Software. In providing Core Support Services, Synopsys will use commercially reasonable efforts to perform the following:

- (a) provide you with bug-fix releases to the extent necessary to conform the Core Software to any applicable technical standard specification that was in existence at the time the Core Software was delivered to you;
- (b) provide you with workarounds for material errors in the Core Software;
- (c) provide you with 24/7 access to electronic assistance regarding the operation of the Core Software, as Synopsys may make available from time to time (such as through the SolvNet online web support service);
- (d) if electronic assistance does not yield an appropriate resolution, give you access to a reasonable amount of telephone support for the Core Software, during normal business hours, through your designated support contact; and
- (e) deliver bulletins as they are released by Synopsys from time to time, which contain information on bug-fix releases, application techniques, and workarounds for the Core Software.

5.2 Designated Support Contacts: You may appoint up to 4 designated support contacts for each supported Licensee IC, and will give Synopsys the names of all designated support contacts before making initial contact with the Synopsys support center. All technical communications, information, and materials exchanged between you and Synopsys regarding the Core Software will be conducted through your designated support contacts. You may change any designated support contact at any time by notifying Synopsys.

5.3 Limitations. The Core Support Services described in this section are the only services that Synopsys makes available for the Core Software, and no other warranties or support and maintenance services apply. Synopsys has no obligation to provide support for Core Software that has been altered, damaged, or modified by you. If you wish to continue receiving Core Support Services after the 12-month period following the initial delivery of the Core Software, you must separately purchase extended Core Support Services from Synopsys for an additional fee pursuant to an accepted purchase order. Reuse fees for Core Software do not include Core Support Services.

5.4 The Core Software and Core Support Services are provided "AS IS". Synopsys disclaims all other warranties (express, implied, or statutory), including any warranties of merchantability, fitness for a particular purpose, title, or non-infringement and any warranties arising from a course of dealing or usage of trade.

6. Term and Termination

6.1 Term of Agreement: Both you and Synopsys must sign (either physically or through electronic acceptance) this agreement for it to take effect. When both parties have so signed this agreement, the term of this agreement will begin on the effective date stated on the signature page and will end when all licenses granted hereunder terminate, or until this agreement terminates as provided below, whichever is sooner.

6.2 Term of Purchasing Agreement: Each Purchasing Agreement will have its own term, as indicated on that Purchasing Agreement.

6.3 Term of Individual Licenses: The term of each license for the Core Software granted under this agreement shall begin upon the delivery date of the Core Software, and shall continue until you discontinue the sale and distribution of the applicable Licensee ICs.

6.4 Rights to Terminate: Each party has the right to terminate this agreement, by giving written notice of termination to the other party, if (a) the other party breaches this agreement and (b) either the breach cannot be cured or, if the breach can be cured, it is not cured by the breaching party within 15 days after receiving written notice of the breach from the non-breaching party. A substantial deviation of Core Software from the specifications in the corresponding Documentation will not be considered a breach of this agreement that allows you to terminate the agreement.

6.5 Consequences of Termination: If and when either you or Synopsys terminates this agreement, all Purchasing Agreements in effect at that time will also terminate. When this agreement, a Purchasing Agreement or an individual license to Core Software expires or is terminated:

(a) you must (i) immediately cease all use of the Core Software and related Confidential Information in your possession or control (or in the possession of any third party to whom you provided such materials), (ii) promptly return to Synopsys or destroy all copies of such Core Software and related Confidential Information, and (iii) within 30 days after such expiration or termination, certify in writing to Synopsys that you have complied with clauses (i) and (ii), except, however, that your license to a Core Instantiated into a Licensee IC prior to termination shall continue according to its terms;

(b) you will remain obligated to pay any amounts you owe to Synopsys at that time; and

(c) the provisions of sections 4, 5.4, 6.5, 8 and 9 will remain in effect.

7. Third-Party Licenses and Indemnification

7.1 Indemnity: Synopsys will, at its own expense, be entitled to defend (or at its sole option, settle) any claim asserted against you by a third party that any Core Software you obtained from Synopsys under this agreement infringes any U.S. copyright, trademark, or trade secret, or U.S. patent that issued before Synopsys' delivery to you of the applicable Core Software. Synopsys will indemnify you for any damages you suffer and costs you reasonably incur that are directly attributable to any such claim and that are assessed against you in a final, non-appealable judgment or agreed upon by Synopsys in a settlement.

7.2 Conditions: Synopsys's obligations to defend and indemnify you with respect to a particular claim are subject to the following conditions:

(a) you must promptly give Synopsys written notice of the claim;

(b) you must identify the specific Core Software at issue in the claim and indicate how the Core Software is utilized by you or your products;

(c) you must give Synopsys sole control and authority over the defense and settlement of the claim; and

(d) you must provide Synopsys with all information you have regarding the claim and cooperate with Synopsys when Synopsys defends or attempts to settle the claim.

7.3 Pro-Active Steps: If any Core Software is, or Synopsys believes is likely to become, the subject of a claim for which Synopsys would be obligated to defend and indemnify you, then Synopsys may, at its option, do any of the following:

- (a) obtain for you (at no cost to you) the right for you to continue using the Core Software as permitted by this agreement;
- (b) replace or modify the Core Software to avoid the infringement problem, as long as there is no material loss of functionality; or
- (c) if Synopsys reasonably concludes that it will not be feasible to do either of the above, terminate your license for the Core Software and give you a refund of the Fees you paid to Synopsys for that license.

7.4 Exclusions: Synopsys will have no obligation to defend or indemnify you (notwithstanding the first paragraph of this section) with respect to any claim that is based on or attributable to any of the following:

- (a) any modification made to the Core Software by anyone other than Synopsys;
- (b) the combination or use of the Core Software with other products or materials not supplied by Synopsys or specified in the Documentation as being necessary to use the Core Software;
- (c) your continued engagement in infringing activities after you were notified of the infringement or after Synopsys informed you of a modification or workaround that would have avoided the infringement;
- (d) the failure to obtain a license available from a standards organization, or which would be available as a result of an undertaking to a standards organization;
- (e) the methods or processes employed in using the Core Software, other than those inherent methods and processes that are necessarily employed in the intended mode of operation of the Core Software and without which a material function of the Core Software would not operate;
- (f) compliance with your directions, instructions, specifications, or technical requirements (including any requirement that the Core Software or Licensee IC support or comply with industry or technical standards), if there are no known commercially-reasonable means of complying with such directions, instructions, specifications, or technical requirements free of a claim of infringement; or
- (g) your use of the Core Software in a manner not permitted by this agreement.

7.5 Burden of Proof: You will have the burden of showing that indemnification is required pursuant to this Section 7 and that the exclusions in section 7.4 do not apply.

7.6 No Other Obligations: Except as expressly stated in this section 7, Synopsys has no obligation or liability to you for any actual or alleged infringement related to the Core Software.

8. Confidentiality

8.1 Confidentiality Obligations: Each party (you and Synopsys) agrees to abide by the following confidentiality obligations with respect to the other party's Confidential Information:

- (a) do not disclose it to any third party unless (i) the other party has given its specific and express prior written approval, (ii) the disclosure is expressly allowed under this agreement, or (iii) the disclosure is necessary to comply with a valid court order or subpoena;
- (b) do not use it for any reason other than to exercise its rights and perform its obligation under this agreement; and
- (c) protect it from unauthorized dissemination in the same manner as that party protects its own Confidential Information, and in any event with reasonable precautions (which include limiting access to employees and contractors on a "need to know" basis).

8.2 Mandatory Disclosures: If you believe you must disclose Synopsys's Confidential Information in order to comply with a valid court order or subpoena, you must promptly notify

Synopsys and cooperate with Synopsys if Synopsys chooses to contest the disclosure requirement, seek confidential treatment of the information to be disclosed, or to limit the nature or scope of the information to be disclosed. Synopsys will do the same if it believes it must disclose your Confidential Information in these circumstances.

8.3 Additional Obligations: In addition to your general obligations of confidentiality regarding the Core Software and Documentation, you must monitor each End User's use of the Core Software to ensure that the End User abides by the terms of this agreement.

9 Other Terms

9.1 Ownership of IP Rights: Synopsys and its licensors own all Intellectual Property Rights in the Core Software and Documentation. Your only rights in the Core Software and Documentation are the rights expressly granted in this agreement; all other rights are reserved by Synopsys. Synopsys's licensors are third-party beneficiaries of, and thus may enforce against you the license restrictions and confidentiality obligations in this agreement with respect to their intellectual property and proprietary information. Synopsys may freely use and disseminate any Feedback you provide. You agree not to claim that Synopsys owes you any compensation for its use or dissemination of such Feedback.

9.2 Limitation of Liability: For each product or service you license or purchase from Synopsys under this agreement, Synopsys's total, cumulative liability to you, including under section 7, is limited to the amount of Fees you paid for that product or service (regardless of the nature of the liability or the nature or number of claims giving rise to the liability). Synopsys will not, under any circumstances or any theory of liability, be liable to you for any lost profits, loss of data, or consequential, incidental, or special damages arising from this agreement or the products and services provided to you under this agreement. However, this disclaimer of Synopsys's liability for consequential damages does not limit or reduce Synopsys's obligations to defend and indemnify you under section 7. The limitations of liability in this section are a fundamental part of this agreement and enable Synopsys to provide products and services to you at lower prices. These limitations of liability are intended to apply even if an exclusive remedy is found to have failed of its essential purpose.

9.3 Export Controls: You agree that the goods, software, and technology subject to this agreement are subject to the export control laws and regulations of the United States, including but not limited to the Export Administration Regulations ("EAR"), and sanctions regulations of the U.S. Department of Treasury, Office of Foreign Asset Controls and that you will comply with these laws and regulations. Without limiting the foregoing, you will not, without a U.S. Bureau of Industry and Security license or license exception, (i) export, re-export, or transfer any technology, software, or source code subject to this agreement, either directly or indirectly, to any national of any country identified in Country Groups D:1 or E:1 as defined in the EARs, or (ii) export to any country identified in Country Groups D:1 or E:1 the direct product of the technology, software or source code, if such foreign produced product is subject to the national security controls as identified on the Commerce Control List ("CCL"). In addition, goods, software and any technology subject to this agreement may not be exported, reexported, or transferred to (a) any person or entity listed on the "Entity List", "Denied Persons List" or the list of "Specifically Designated Nationals and Blocked Persons" as such lists are maintained by the U.S. Government, or (b) an end-user engaged in activities related to weapons of mass destruction. Such activities include but are not necessarily limited to activities related to: (1)

the design, development, production, or use of nuclear materials, nuclear facilities, or nuclear weapons; (2) the design, development, production, or use of missiles or support of missiles projects; and (3) the design, development, production, or use of chemical or biological weapons.

9.4 Governing Law; Jurisdiction: This agreement is governed by the laws of the United States and the State of California, without regard to conflicts of laws principles. The federal and state courts located in Santa Clara County, California have exclusive jurisdiction over any disputes arising from or relating to this agreement, and each party consents to such jurisdiction and venue.

9.5 Notices: Any notice, approval, consent, or other communication intended to have legal effect under this agreement must be given to the other party in writing, must be sent by first-class, registered, or overnight mail or private overnight courier (to the address for the other party stated on the signature page, unless the other party has given notice of a new address), and will be deemed given upon receipt or when delivery is refused. A copy of any communication sent to Synopsys must also be sent to the attention of the General Counsel.

9.6 Waivers: Either party's failure to enforce any provision of this agreement will not be deemed a waiver of the future enforcement of that provision or enforcement of any other provision. In order to be binding, a waiver must be in writing and signed by the party giving the waiver.

9.7 Independent Contractors: The parties to this agreement are independent contractors. Neither party is the agent or partner of the other party, or has any power or authority to act on behalf of the other party.

9.8 Severability: If any provision in this agreement is found to be invalid or unenforceable as written, the remaining provisions will remain in full force and effect and the invalid or unenforceable provision is to be construed (and, if necessary, modified) so that it is valid and enforceable to the greatest extent possible.

9.9 Attorneys' Fees: The prevailing party in any action to enforce this agreement will be entitled to recover costs and expenses including reasonable attorneys' fees.

9.10 Remedies: Except where this agreement expressly provides exclusive remedies, all rights and remedies of either party (including termination rights) are cumulative. You agree that monetary damages alone would not be an adequate remedy, and therefore Synopsys will be entitled to injunctive relief if you materially breach the license restrictions or confidentiality provisions in this agreement.

9.11 Force Majeure: Each party will be excused from performance of its obligations under this agreement, except payment obligations, to the extent that performance is rendered impossible by earthquake, fire, flood, governmental action, labor disruptions, supplier failures, or any other event or circumstance beyond that party's reasonable control.

9.12 Construction: Section headings in this agreement are for convenience only. The word "including" (and variations thereof) is not intended to be limiting. No rule of strict construction is to be used when interpreting this agreement.

9.13 Counterparts: This agreement may be signed in multiple counterparts, each of which will be deemed an original and which together will constitute one instrument.

9.14 Press Release: The parties intend to work together to prepare and publish a mutually acceptable press release concerning this agreement.

9.15 Government Users: If you are a branch or agency of the United States Government, or are acquiring any Core Software on behalf of any branch or agency of the United States Government, then the following provision applies. The Core Software and Documentation are comprised of “commercial computer software” and “commercial computer software documentation”, as such terms are used in 48 C.F.R. 12.212, and are provided to the Government (i) for acquisition by or on behalf of civilian agencies, consistent with the policy set forth in 48 C.F.R. 12.212; or (ii) for acquisition by or on behalf of units of the Department of Defense, consistent with the policies set forth in 48 C.F.R. 227.7202-1 and 227.7202-3.

9.16 Synopsys Entities: Synopsys, Inc. and its wholly-owned subsidiaries, including, but not limited to, Synopsys International Limited, Synopsys International Limited Taiwan Branch, Synopsys Global Kft and Nihon Synopsys, G.K., have agreed to their respective rights and obligations regarding the distribution of the Core Software and the performance of obligations related to the Core Software. You acknowledge that: (i) Synopsys Inc. or any directly or indirectly wholly-owned subsidiary or branch of Synopsys, Inc. may treat a purchase order addressed to that entity, representative office or branch as having been addressed to the appropriate entity or entities or branch with distribution rights for the geographic region in which the Core Software will be used; and (ii) delivery will be completed by the Synopsys entity or branch with distribution rights for the geographic region in which the Core Software will be used or service will be provided. For products used or services provided in a country in the Americas or Africa, the distributing Synopsys entity is Synopsys, Inc., based in California, USA. For products used or services provided in Taiwan, the distributing Synopsys entity is Synopsys International Limited Taiwan Branch, based in Taiwan. For products used or services provided in Hungary, Australia, Belarus, Bulgaria, Israel, Poland, the Republic of Korea, Romania, Russia, Ukraine or Vietnam, the distributing Synopsys entity is Synopsys Global Kft, based in Hungary. For products used or services provided in Japan, the distributing Synopsys entity is Nihon Synopsys G. K., based in Japan. For products used or services provided in any country other than those identified above, the distributing Synopsys entity is Synopsys International Limited, based in Ireland.

9.17 Entire Agreement: This agreement and any applicable attachments, supplements and Purchasing Agreements are the entire agreement between the parties concerning its subject matter, and supersede any prior or contemporaneous agreements, communications, or understandings (whether written or oral). However, any confidentiality or nondisclosure agreements that Synopsys previously entered into with you will remain in effect (according to their terms) with respect to the confidential information disclosed thereunder.

9.18 Amendments: This agreement may be amended only by means of a written instrument signed by authorized representatives of both parties that specifically refers to this agreement and states the parties’ intention to amend it. No additional or inconsistent terms on any purchase order or similar document you may submit to Synopsys will be binding on Synopsys or have any legal effect.

GLOSSARY OF DEFINITIONS

Client means an instance of Core Software running on a computer. This means, for example, that two Clients can be either two instances of Core Software running on the same computer or one instance of Core Software running on each of two computers.

Confidential Information of Synopsys means (a) the Core Software (in any form), the Documentation, the License Keys, and SolvNet; (b) all ideas and information (such as algorithms, design rules, and design techniques) contained or embodied in the Core Software, Documentation, License Keys, or SolvNet; (c) the prices, discounts, payment terms, and other information in the Purchasing Agreements; and (d) any other confidential or proprietary information that Synopsys provides to you in connection with this agreement. Your Confidential Information is any confidential or proprietary information in (i) written form that you provide to Synopsys in order for Synopsys to fulfill your orders and provide products and services to you under this agreement, and (ii) oral form that you provide to Synopsys in order to receive Core Support Services; as long as you notify Synopsys at the time of disclosure that such information is to be treated as confidential under this agreement. However, Feedback is not your Confidential Information. Also, Confidential Information does not include any of the following: (A) information that has become generally available to the public, through no fault of yours (in the case of Synopsys Confidential Information) or Synopsys (in the case of your Confidential Information) and that is not still regarded as a trade secret under laws governing information that was negligently or maliciously distributed; (B) information that the receiving party had already obtained in a tangible form, through lawful means, before obtaining it under this agreement; (C) information that the receiving party developed independently, without the use of any materials or information obtained from the other party in connection with this agreement; (D) information that the receiving party has lawfully obtained, in a tangible form, from a third party that had the right to provide it to the receiving party; or (D) information that the disclosing party releases for publication in writing.

Contractor means a third-party entity engaged by you to provide design services directly related to your Licensee IC.

Core Support Services has the meaning given in section 5 of this agreement.

Documentation means any user manuals, reference manuals, release, application and methodology notes, written utility programs, and other materials in any form provided by Synopsys for use with Core Software.

End User means an individual who works for you as an employee or independent contractor and whom you designate and authorize to access and use Core Software as permitted by this agreement.

EST means electronic software transfer.

Feedback means any ideas or suggestions you voluntarily provide to Synopsys (in any manner, whether in writing or orally or otherwise) regarding the Core Software or Documentation, including possible enhancements or improvements.

Fees means the amounts you must pay when you purchase products and services from Synopsys under this agreement, as identified in each Purchasing Agreement.

FTP Server means a Synopsys server that you can access via the Internet in order to download Core Software you have ordered.

Hard IP Core means a Core that is delivered in a format that is non-synthesizable and suitable for implementation using a specific manufacturing process.

IC means integrated circuit.

Intellectual Property Rights means all patent rights, copyrights, trade secret rights, mask works, and trademark rights (including service marks and trade names), and any applications for these rights, in all countries.

Instantiation (and variations thereof) means an implementation of a single Core a single time in an IC. Implementation of the same Core two times in a single IC constitutes two Instantiations.

Key Server means the computer with the host I.D. number that is identified in the License Key and which controls access to and enables the use of certain Core Software (those that requires a License Key).

License Key means a document (in physical or electronic format) provided by Synopsys that identifies: (i) the applicable Core Software licensed to you; (ii) the Key Server; (iii) the number of permitted Clients; and (iv) the codes that initialize use of the Key Server.

Licensee IC means an IC owned by you and specifically identified to Synopsys in a Purchasing Agreement or other document accepted by Synopsys, which contains at least one Instantiation of a Core.

Modification means a bug fix, modification, enhancement, or revision of any aspect of the Core Software.

Parent Entity means a person, company or other entity that owns, directly or indirectly, more than fifty percent (50%) of your assets or of the stock or other equity interests entitled to vote for your directors or equivalent managing authority.

Purchasing Agreement means the applicable Synopsys sales quotation, purchase agreement or other agreement describing (among other things) the products and services that you have licensed or purchased, including pricing information.

Reuse means an additional Use of any aspect of the Core Software in a new Licensee IC (i.e. one that functions differently from the IC that was the subject of the initial Use, such as an IC that implements a change in timing, electrical or power specifications, retargeting to a different process technology or other changes in form, features or functionality); provided, however, that "Reuse" specifically excludes any Use: (i) in connection with a revised version of an IC that was the subject of the initial Use for which you have already obtained a paid-up license, where the only change is to implement bug fixes or error corrections in an IC, and (ii) in connection with a new IC that uses the same physical GDSII as the IC that was the subject of the initial Use and for which you have already obtained a paid-up license (as in the case of a bond out option).

SolvNet means Synopsys's suite of online support services accessible via the Internet.

Synopsys Competitor means any corporation or other legal entity in the business of developing and/or marketing (including making generally commercially available to end user customers) intellectual property cores or related services.

Use as a noun means engagement in any activity involving the Core Software, including but not limited to any of the following: configuration, evaluation, synthesis, simulation, modification, verification, monitoring, analysis, compilation, incorporation, embedding, integration, prototype testing, and Instantiation. A single Use is a single Instantiation of a Core in a single IC. To "Use" means to engage in any activity involving the Core Software, including but not limited to the activities listed above.

You (and variations thereof) means the entity that agrees to the terms and conditions of this agreement as the customer.

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==> util-linux 2.37.2

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==> glib-2.0 2.68.4

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====> libiconv 1.15

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====> libpcre 8.45

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.

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

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PCRE JUST-IN-TIME COMPILATION SUPPORT

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End

==> libsdl2 2.0.16

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==> mingw-w64-winpthreads 8.0.0

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==> pixman 0.40.0

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====> qemu-xilinx v6.1.0-xilinx-v2022.1+gitAUTOINC+e353d497d8

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xtensor version 0.20.10
xygraph version 2.1.0
z3 version 4.8.5
zdma_xilinx_driver version 1.3
zip version 3.0
zip4j version 1.3.2
zipp version 3.4.0
zipp version 3.7.0
zlib version 1.2.1
zlib version 1.2.11
zlib version 1.2.3
zlib version 1.2.4
zlib version 1.2.5
zlib version 1.2.7
zlib version 1.2.8
zynq-remote-port version 4

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_strnatcmp.c, include/apr_strings.h:

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>>>> zlib 1.2.11
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

*/

>>>> zlib gpl with exception

```
-----  
--          ZLib for Ada thick binding.          --  
--                                           --  
--          Copyright (C) 2002-2004 Dmitry Anisimkov      --  
--                                           --  
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-- your option) any later version.                --  
--                                           --  
-- This library is distributed in the hope that it will be useful, but --  
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-- 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 library; if not, write to the Free Software Foundation, --
-- Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.      --
--
--
-- As a special exception, if other files instantiate generics from this --
-- unit, or you link this unit with other files to produce an executable, --
-- this unit does not by itself cause the resulting executable to be --
-- covered by the GNU General Public License. This exception does not    --
-- however invalidate any other reasons why the executable file might be --
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```

>>> Apache v2.0

```
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```

#####

>>>> jquery

```
/*!
 * jQuery JavaScript Library v3.1.0
 * https://jquery.com/
 *
 * Includes Sizzle.js
 * https://sizzlejs.com/
 *
 * Copyright jQuery Foundation and other contributors
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 * https://jquery.org/license
 *
 * Date: 2016-07-07T21:44Z
 */
```


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Files:


```
make/stub_includes/OpenGL/**
make/stub_includes/egl/**
make/stub_includes/khr/**
make/stub_includes/openmax/**
```

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=====

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Files:

src/jogamp/graph/geom/plane/AffineTransform.java
src/jogamp/graph/geom/plane/IllegalPathStateException.java
src/jogamp/graph/geom/plane/NoninvertibleTransformException.java
src/jogamp/graph/geom/plane/PathIterator.java
src/jogamp/graph/geom/plane/Path2D.java
src/jogamp/graph/math/plane/Crossing.java
src/org/apache/harmony/misc/HashCode.java

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Typecast

=====

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<<https://java.net/projects/typecast>>

Author: David Schweinsberg

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Files:

src/jogl/classes/jogamp/graph/font/typecast/ot/*

src/jogl/classes/jogamp/graph/font/typecast/ot/table/*

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src/jogl/classes/jogamp/graph/font/typecast/ot/*

src/jogl/classes/jogamp/graph/font/typecast/ot/mac/*

src/jogl/classes/jogamp/graph/font/typecast/ot/table/*

src/jogl/classes/jogamp/graph/font/typecast/tt/engine/*

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Author: Canonical Ltd., Dalton Maag

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Version 1.0

<http://font.ubuntu.com/ufl/ubuntu-font-licence-1.0.txt>

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Files:

`src/jogamp/graph/font/fonts/ubuntu/*`

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Files:

`make/stub_includes/cg/CG/**`

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PNGJ
====

PNGJ: Java library for reading and writing PNG images.

Version 1.12 (3 Dec 2012)

<<http://code.google.com/p/pngj/>>

Author: Hernan J. Gonzalez and Shawn Hartsock

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src/jogl/classes/jogamp/opengl/util/pngj/**

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o10=o1=o1=o1p1=

p1Mp1=Pp1}p1=Pq1}q1H=q1q1=q1q1(=q1@r1=@r1r1=r1r1=r1<s1=<s1s1=s1s1=s1St1=St1t1=t1
t1=t1t1=u1 u1=

u1u1=u1u1<u1u1=u1v1=v1]v1=]v1v1=v1v1z<v1.w1=0w1w1=w1x1=x1~x1=x1x1=x1^y1=`y1y1=y
1>z1=@z1z1=0

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```
>>> gpl v3 with bison exception
/* A Bison parser, made by GNU Bison 3.7.5. */
```

```
/* Bison interface for Yacc-like parsers in C
```

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```
/* As a special exception, you may create a larger work that contains
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under terms of your choice, so long as that work isn't itself a
parser generator using the skeleton or a modified version thereof
as a parser skeleton. Alternatively, if you modify or redistribute
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```

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```
>>>gplv2/3 lgplv2.1
```

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```
>>> zlib license
```

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
```

version 1.2.3, July 18th, 2005

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dpsu_xilinx_driver version 1

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- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
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The following dependencies are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

- * org.ow2.asm:asm-commons
- * org.ow2.asm:asm

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- * org.apache.taglibs:taglibs-standard-spec
- * org.apache.taglibs:taglibs-standard-impl

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- * org.apache.tomcat:tomcat-jasper
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- * org.apache.tomcat:tomcat-api
- * org.apache.tomcat:tomcat-util-scan
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DRuntime: Runtime Library for the D Programming Language
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>>>> functions:

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017
```

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

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

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DRuntime: Runtime Library for the D Programming Language

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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>>> zlib license

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017
```

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

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Written by: Philip Hazel <ph10@cam.ac.uk>

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Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: golang

Source: <https://github.com/golang/go>

Files: *

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Files:

src/cmd/compile/internal/gc/gsubr.go
src/cmd/internal/objabi/autotype.go
src/cmd/internal/objabi/head.go
src/cmd/internal/objabi/reloctype.go
src/cmd/internal/objabi/symkind.go
src/cmd/internal/obj/arm64/a.out.go
src/cmd/internal/obj/arm64/asm7.go
src/cmd/internal/obj/arm64/list7.go
src/cmd/internal/obj/arm64/obj7.go
src/cmd/internal/obj/arm/a.out.go
src/cmd/internal/obj/arm/asm5.go
src/cmd/internal/obj/arm/list5.go
src/cmd/internal/obj/arm/obj5.go
src/cmd/internal/obj/mips/a.out.go
src/cmd/internal/obj/mips/asm0.go
src/cmd/internal/obj/mips/list0.go

src/cmd/internal/obj/mips/obj0.go
src/cmd/internal/obj/ppc64/a.out.go
src/cmd/internal/obj/ppc64/asm9.go
src/cmd/internal/obj/ppc64/list9.go
src/cmd/internal/obj/ppc64/obj9.go
src/cmd/internal/obj/s390x/asmz.go
src/cmd/internal/obj/s390x/a.out.go
src/cmd/internal/obj/s390x/listz.go
src/cmd/internal/obj/s390x/objz.go
src/cmd/internal/obj/data.go
src/cmd/internal/obj/ld.go
src/cmd/internal/obj/link.go
src/cmd/internal/obj/pass.go
src/cmd/internal/obj/sym.go
src/cmd/internal/obj/x86/a.out.go
src/cmd/internal/obj/x86/asm6.go
src/cmd/internal/obj/x86/list6.go
src/cmd/internal/obj/x86/obj6.go
src/cmd/link/internal/amd64/asm.go
src/cmd/link/internal/amd64/l.go
src/cmd/link/internal/amd64/obj.go
src/cmd/link/internal/arm64/asm.go
src/cmd/link/internal/arm64/l.go
src/cmd/link/internal/arm64/obj.go
src/cmd/link/internal/arm/asm.go
src/cmd/link/internal/arm/l.go
src/cmd/link/internal/arm/obj.go
src/cmd/link/internal/ld/ar.go
src/cmd/link/internal/ld/data.go
src/cmd/link/internal/ld/ld.go
src/cmd/link/internal/ld/lib.go
src/cmd/link/internal/ld/link.go
src/cmd/link/internal/ld/main.go
src/cmd/link/internal/ld/sym.go
src/cmd/link/internal/ld/symtab.go
src/cmd/link/internal/mips/asm.go
src/cmd/link/internal/mips/l.go
src/cmd/link/internal/mips/obj.go
src/cmd/link/internal/mips64/asm.go
src/cmd/link/internal/mips64/l.go
src/cmd/link/internal/mips64/obj.go
src/cmd/link/internal/ppc64/asm.go
src/cmd/link/internal/ppc64/l.go
src/cmd/link/internal/ppc64/obj.go

src/cmd/link/internal/s390x/asm.go
src/cmd/link/internal/s390x/l.go
src/cmd/link/internal/s390x/obj.go
src/cmd/link/internal/sym/segment.go
src/cmd/link/internal/sym/symbols.go
src/cmd/link/internal/sym/symkind.go
src/cmd/link/internal/x86/asm.go
src/cmd/link/internal/x86/l.go
src/cmd/link/internal/x86/obj.go
src/cmd/vendor/golang.org/x/arch/x86/x86asm/testdata/libmach8db.c
src/runtime/memclr_arm.s
src/runtime/memmove_386.s
src/runtime/memmove_amd64.s
src/runtime/memmove_arm.s
src/runtime/memmove_plan9_386.s
src/runtime/memmove_plan9_amd64.s
src/runtime/vlop_386.s
src/runtime/vlop_arm.s
src/runtime/vlrt.go

Origin: Plan 9 from User Space include/, src/lib9/, src/libmach/
Inferno utils/include/, utils/libmach/, utils/6c/, utils/iar/,
utils/6l/, utils/6a/, utils/5c/, utils/8c/, utils/iyacc/,
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src/debug/dwarf/testdata/typedef.elf

Source: src/debug/dwarf/testdata/typedef.c

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src/debug/macho/testdata/fat-gcc*

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src/debug/macho/testdata/gcc*

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src/debug/elf/testdata/*-exec
src/debug/elf/testdata/*.obj
src/debug/elf/testdata/hello-world-core.gz
Source: src/debug/elf/testdata/hello.c
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Files: src/debug/elf/elf.go
src/cmd/link/internal/ld/elf.go
Origin: FreeBSD src/sys/sys/elf{32,64,_common}.h, src/sys/*/include/elf.h
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src/math/cmplx/exp.go
src/math/cmplx/log.go
src/math/cmplx/pow.go
src/math/cmplx/sin.go
src/math/cmplx/sqrt.go
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src/math/acosh.go
src/math/asinh.go
src/math/atanh.go
src/math/cbrt.go
src/math/erf.go
src/math/exp.go
src/math/expm1.go

src/math/j0.go
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// Inferno utils/5l/span.c

// <https://bitbucket.org/inferno-os/inferno-os/src/default/utils/5l/span.c>

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```
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```

```
// Package loadmacho implements a Mach-O file reader.
package loadmacho
```

```
import (
    "bytes"
    "cmd/internal/bio"
    "cmd/internal/objabi"
    "cmd/internal/sys"
    "cmd/link/internal/sym"
    "encoding/binary"
    "fmt"
    "io"
    "sort"
)
```

```
/*
Derived from Plan 9 from User Space's src/libmach/elf.h, elf.c
http://code.swtch.com/plan9port/src/tip/src/libmach/
```

```
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// ANSI C implementation, which carries the following notice:

//

// rijndael-alg-fst.c

//

// @version 3.0 (December 2000)

//

// Optimised ANSI C code for the Rijndael cipher (now AES)

//

// @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

// @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

// @author Paulo Barreto <paulo.barreto@terra.com.br>

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```

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```

```
package jpeg
```

```
// This file implements a Forward Discrete Cosine Transformation.
```

```
/*
It is based on the code in jfdctint.c from the Independent JPEG Group,
found at http://www.ijg.org/files/jpegsrc.v8c.tar.gz.
```

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>>>>

// Original source:

// <http://www.zorinaq.com/papers/md5-amd64.html>

// <http://www.zorinaq.com/papers/md5-amd64.tar.bz2>

//

// Translated from Perl generating GNU assembly into

// #defines generating 6a assembly by the Go Authors.

#include "textflag.h"

// MD5 optimized for AMD64.

//

// Author: Marc Bevand <bevand_m (at) epita.fr>

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//  
// Beginning of content of file: LICENSE  
//
```

```
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```
/* note that this version is significantly different from the original */
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```
/* version 0.12 GNU source code. It compiles and works on Native WIN32. */
```

```
/* Definitions for data structures and routines for the regular  
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/* note that this version is significantly different from the original */
/* version 0.12 GNU source code. It compiles and works on Native WIN32. */
/* Extended regular expression matching and search library,
version 0.12.
```

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#!/bin/sh

depcomp - compile a program generating dependencies as side-effects

scriptversion=2013-05-30.07; # UTC

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From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
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From strings/apr\_snprintf.c:

```
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Language Sources    Development    Debugging    Position-Independent

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C++                    libstdc++6-8-dbg    libstdc++6-8-pic  
D    libphobos-8-dev

Additional packages include:

All languages:

libgcc1, libgcc2, libgcc4    GCC intrinsics (platform-dependent)  
gcc-8-base                    Base files common to all compilers  
gcc-8-soft-float                Software floating point (ARM only)  
gcc-8-source                    The sources with patches

Ada:

libgnatvsn-dev, libgnatvsn8    GNAT version library

C:

cpp-8, cpp-8-doc                GNU C Preprocessor  
libssp0-dev, libssp0            GCC stack smashing protection library  
libquadmath0                    Math routines for the \_\_float128 type  
fixincludes                      Fix non-ANSI header files

C, C++ and Fortran 95:

libgomp1-dev, libgomp1            GCC OpenMP (GOMP) support library  
libitm1-dev, libitm1                GNU Transactional Memory Library

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D:  
gdc-8                    GNU D Compiler  
libphobos-8-dev        D standard runtime library

The D source package is made up of the following components.

The D front-end for GCC:  
- d/\*

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The Zlib data compression library:

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The Phobos standard runtime library:

- `d/phobos/*`

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\* Added TPACKET\_V3 support

\* Gabor Tatarka <gabor.tatarka@ericsson.com>

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\* based on previous works of:

\* Simon Patarin <patarin@cs.unibo.it>

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<http://bitbucket.org/goshawk/gdc> (for D)

<https://github.com/MentorEmbedded/nvptx-newlib/> (for newlib-nvptx)

The current gcc-8 source package is taken from the SVN gcc-8-branch.

Changes: See [changelog.Debian.gz](#)

Debian splits the GNU Compiler Collection into packages for each language, library, and documentation as follows:

| Language      | Compiler package | Library package | Documentation    |
|---------------|------------------|-----------------|------------------|
| Ada           | gnat-8           | libgnat-8       | gnat-8-doc       |
| BRIG          | gccbrig-8        | libhsail-rt0    |                  |
| C             | gcc-8            | gcc-8-doc       |                  |
| C++           | g++-8            | libstdc++6      | libstdc++6-8-doc |
| D             | gdc-8            |                 |                  |
| Fortran 95    | gfortran-8       | libgfortran3    | gfortran-8-doc   |
| Go            | gccgo-8          | libgo0          |                  |
| Objective C   | gobjc-8          | libobjc2        |                  |
| Objective C++ | gobjc++-8        |                 |                  |

For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

| Language | Sources         | Development      | Debugging        | Position-Independent |
|----------|-----------------|------------------|------------------|----------------------|
| C++      |                 | libstdc++6-8-dbg | libstdc++6-8-pic |                      |
| D        | libphobos-8-dev |                  |                  |                      |

Additional packages include:

All languages:

|                           |                                     |
|---------------------------|-------------------------------------|
| libgcc1, libgcc2, libgcc4 | GCC intrinsics (platform-dependent) |
| gcc-8-base                | Base files common to all compilers  |
| gcc-8-soft-float          | Software floating point (ARM only)  |
| gcc-8-source              | The sources with patches            |

Ada:

libgnatvsn-dev, libgnatvsn8 GNAT version library

C:

cpp-8, cpp-8-doc GNU C Preprocessor



libssp0-dev, libssp0       GCC stack smashing protection library  
libquadmath0            Math routines for the \_\_float128 type  
fixincludes             Fix non-ANSI header files

C, C++ and Fortran 95:

libgomp1-dev, libgomp1            GCC OpenMP (GOMP) support library  
libitm1-dev, libitm1            GNU Transactional Memory Library

Biarch support: On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of 'lib', for example lib32stdc++6. Similarly, on some 32-bit platforms which can also run 64-bit code, Debian provides additional packages with names beginning with 'lib64' instead of 'lib'. These packages contain 64-bit versions of the libraries. (At this time, not all platforms and not all libraries support biarch.) The license terms for these lib32 or lib64 packages are identical to the ones for the lib packages.

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- libatomic
- libdecnumber
- libgomp
- libitm
- libssp
- libstdc++-v3
- libobjc
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- The libgnat-8 Ada support library and libgnatvsn library.
- Various config files in gcc/config/ used in runtime libraries.
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D:

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libphobos-8-dev            D standard runtime library

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- d/\*

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* Colin Plumb's implementation has been reused; this comment merely compares
* the properties of the two independent implementations.
*
* The primary goals of this implementation are portability and ease of use.
* It is meant to be fast, but not as fast as possible. Some known
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//

// Author: wan@google.com (Zhanyong Wan)

// Google Mock - a framework for writing C++ mock classes.

>>>> googletest

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\* Ported to lwIP.

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23.13. "Linked" means an executable or loadable file created by a compiler or linker program combining Object Code module files.

23.14. "MATLAB Runtime" means MATLAB Runtime support libraries and other files for deployment of Applications.

23.15. "Object Code" means the code created by a system compiler from source code; also called "machine-readable code." Object Code can be Linked with an appropriate linker to resolve address references and may be combined with other Object Code for targeted execution on a specific processor. Object Code includes "Object Code libraries" and "shared libraries," which are groupings of Object Code for specific purposes.

23.16. "Perpetual License" means the right to use the License indefinitely provided that the Licensee always remains in compliance with the terms of this Agreement.

23.17. "Program" means the software licensed hereunder, including Program Components, Documentation, enhancements, and error corrections. Each product licensed hereunder is a separate Program.

23.18. "Program Component" means any portion of, or file provided with, a Program.

23.19. "Program Offering Guide" means the Program Offering Guide for this release, presented after this Agreement.

23.20. "Source Code" means human-readable code written in a higher-level language such as C, C++, Java, MATLAB, MDL, SLX, VHDL, Verilog, or Fortran, which must be translated or compiled into machine-readable code before it can be executed by a computer. Source Code also includes header files and other human-readable files necessary for a Program to be compiled in the higher-level language.

23.21. "Third Party" means any person or legal entity that is not MathWorks, the Licensee, or an Affiliate.

23.22. "Transformation Program" means a Program whose primary purpose is to transform input files into output files without user interaction, including Programs used for the principal purpose of compiling, translating, or generating Source Code and Programs used for the principal purpose of verification, validation or inspection of design or Source Code, or report generation. See the Program Offering Guide for a full list of Transformation Programs.

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PROGRAM OFFERING GUIDE

RELEASE 2017b

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This Program Offering Guide is an integral part of the Documentation for Release 2017b.

\* Part One describes each of the different License Offerings.

\* Part Two explains your limited rights to modify Program Components and distribute Applications that are made using the Programs that you license from MathWorks.

\* Part Three identifies the Transformation Programs for which a separate license is required to provide server access or system automation.

\* Part Four provides information about MathWorks Software Maintenance Service.

\* Part Five contains a Glossary of definitions of capitalized terms used in this Program Offering Guide. Any capitalized terms used in this Program Offering Guide that are not in the Glossary are defined in The MathWorks, Inc. Software License Agreement (the "Software License Agreement").

The Software License Agreement contains additional rights, restrictions, and obligations that apply to your licensed Programs and Applications.

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## Part One: License Offerings

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### PART ONE: LICENSE OFFERINGS

A License Offering is comprised of:

- (i) a License Option that specifies principally how the License Offering works and is measured or counted;
- (ii) a License Use that specifies who can use the Programs in terms of the types of organizations, individuals, or activities eligible to use the License Offering; and, if applicable,
- (iii) Specific Program Use Rights for MATLAB Distributed Computing Server ("MDCS") and MATLAB Production Server.

Each License Offering is subject to the applicable term of the License: Perpetual, Annual, or other specific term.

The sections below provide the specific details of each License Option, License Use, and the Specific Program Use Rights.

#### 1. License Options

##### 1.1. Individual License Option

- (i) The Individual License Option provides for use of Programs by a single Named User.
- (ii) A Named User may install the Programs on up to four (4) different Computers but may not use a Program on more than two (2) Computers simultaneously, except that Student and Home Licenses are limited to a single Computer.
- (iii) The Licensee may redesignate the Named User authorized to use a Program, whether temporarily or not, up to four (4) times in any twelve (12) month period, except that Student and Home Licenses are not transferable.
- (iv) The Computer login of the Named User may not be shared with any other individual.

##### 1.2. Designated Computer License Option

- (i) The Designated Computer License Option provides for use of Programs on a single, physical (not virtual) designated Computer.



(ii) The Programs may be operated by only one Licensed User at any given time.

(iii) The Programs must be operated from the Designated Computer's console, except for remote access as allowed in Section 1.6 below.

(iv) The Licensee may redesignate the Computer, whether temporarily or not, up to four (4) times in any twelve (12) month period.

### 1.3. Network Named User License Option

(i) The Network Named User License Option provides for a specified number of designated Named Users to use the Programs on any Computer that is connected to the same, single License Manager.

(ii) The License Manager must be activated on a single Computer.

(iii) The Programs may be operated by Named Users on Computers served by the same, single License Manager up to the maximum number of Named Users licensed for each Program.

(iv) A Named User may not use a Program on more than two (2) Computers simultaneously.

(v) The Programs may be installed in a central location or on individual Computers to accelerate startup times as long as the use on all Computers is controlled by the same, single License Manager.

(vi) The Licensee may redesignate the Named Users for a Program, whether temporarily or not, up to four (4) times in any twelve (12) month period.

(vii) A Computer login of a Named User may not be shared with any other individual.

(viii) The Network Named User License Option is only available for Standard License Use.

### 1.4. Concurrent License Option<sup>[fn1]</sup>

(i) The Concurrent License Option provides for a specified number of concurrent keys for each Program on the License that may be used simultaneously by Licensed Users on any Computer that is connected to the same, single License Manager.

(ii) Before using a Program on any Computer, the Licensed User must check out a separate concurrent key from the License Manager for that Computer.

(iii) The License Manager must be activated on a single Computer.

(iv) The Programs may be installed in a central location or on individual Computers to accelerate startup times as long as the use on all Computers is controlled by the same, single License Manager.

(v) Licensees are prohibited from providing Program access to users located outside the Country<sup>[fn2]</sup> for which the Program is licensed unless Licensee has contracted for global use.

(vi) For Academic and Classroom License Uses, installation of the Programs on students' own Computers is not permitted.

### 1.5. Total Headcount License Option

(i) The Total Headcount License Option provides for use of the Programs by a certain institution, organization, location, or other identified group of users, in accordance with the Total Academic Headcount, Total Student Headcount, and Primary and Secondary Schools License Uses described in Section 2 below.

### 1.6. Remote Desktop, Shared Desktop, and Web Applications This section applies to all License Options above.

(i) Remote Desktop: A Licensed User may remotely access Programs using the Microsoft(r) Remote Desktop connection feature or similar technologies. For the Designated Computer License Option, only one named Licensed User may remotely access the Programs, such Licensed User not to be redesignated more than four (4) times in any twelve (12) month period.

(ii) Shared Desktop: A Licensed User may share remotely the desktop view of a Program session with another individual for assistive or demonstrative purposes only, using Microsoft(r) Remote Assistance technology, Skype(r) conferencing software, or similar technologies.<sup>[fn3]</sup>

(iii) Web Applications: Programs licensed under the Individual, Network Named User, Concurrent, and Total Headcount License Options may be called by means of a web interface or web application in accordance with the conditions in this section. Programs licensed under the Designated Computer License Option may not be called by means of a web interface or web application. For Individual and Network Named User License Options, web applications may be accessed only by the Named Users for the licensed Programs. For the Concurrent and Total Headcount License Options, web applications may be provided to an unlimited number of web browser clients, at no additional cost, for Licensee's own use for its Internal Operations, and for use by Third Parties. Web applications must not: provide access to the MATLAB command line or any Transformation Program; provide access to an entire Program or a substantial portion of a Program; or enable evaluation of end-user code or expressions.

## 2. License Uses

### 2.1. Standard

(i) Standard Licenses are available for commercial, government, or other organizational use and are restricted to Internal Operations.

(ii) The Standard License is available under any of the License Options described above except for the Total Headcount License Option.

## 2.2. Educational Institutions

(i) Educational Institution Licenses are available solely to degree-granting educational institutions and primary and secondary schools licensing the Programs for Academic Internal Operations.

(ii) Use rights and associated License Options are determined based on the type of License acquired: Academic, Classroom, Total Academic Headcount, Total Student Headcount, or Primary and Secondary Schools.

(iii) Technical support and installation support are available for faculty and academic staff. Installation support is available for students.

### 2.2.1. Academic

(i) Program use is restricted to individuals listed in the definition of Academic Internal Operations (see Glossary).

(ii) The Academic License is available under any of the Individual, Designated Computer or Concurrent License Options.

### 2.2.2. Classroom

(i) Program use is restricted to students, instructors, and software administrators in on-campus facilities that are used solely in support of classroom instruction of students.

(ii) The Classroom License is available under either the Designated Computer or Concurrent License Option.

(iii) Research use is not permitted.

### 2.2.3. Total Academic Headcount

(i) Program use is restricted to all faculty, researchers, and students on institution-owned or leased Computers as well as personally-owned or leased Computers and solely under the Total Headcount License Option.

#### 2.2.4. Total Student Headcount

(i) Program use is restricted to all students of the institution on student-owned Computers and solely under the Total Headcount License Option.

#### 2.2.5. Primary and Secondary School

(i) Program use is restricted to all faculty, academic staff, and students of the school on teachers' Computers, school-owned Computers or student-owned Computers.

(ii) Primary and Secondary School Licenses are available solely to primary and secondary schools under the Total Headcount License Option.

(iii) Each Primary and Secondary School License is limited to a single physical address.

#### 2.3. Student

(i) Student Licenses may be licensed by students enrolled in degree-granting educational institutions, or primary and secondary schools, or those participating in a continuing education program at a degree-granting educational institution. A Licensee may use the Programs only on a single physical (not virtual) Computer owned or leased by the student.

(ii) A Student License may also be licensed by teachers at primary and secondary schools for course preparation and teaching, and the Student License may be installed on the teacher's own Computer or school-owned Computers.

(iii) A Student License may not be used for activities that are commercial, for profit, professional (except for primary and secondary school teachers using the License for the purpose of teaching at such schools), government, or revenue-generating.

(iv) The Programs may only be accessible to, and used by, the Licensee.

(v) Technical support for Student Licensees is limited to installation support.

(vi) A Student License is not transferable.

(vii) Returns and refunds of Student License purchases are subject to the refund policies at the time and point of purchase.

#### 2.4. Home

(i) A Home License may be licensed by an individual and may be used only for personal use. A Home License may not be used for activities that are commercial, for profit, professional, academic, government, or revenue-generating.

(ii) A Licensee of a Home License may use the Programs only on a single physical (not virtual) Computer owned or leased by the Licensee.

(iii) The Programs may only be accessible to, and used by, the Licensee.

(iv) Technical support for Home Licensees is limited to installation support.

(v) A Home License is not transferable.

(vi) Returns and refunds of Home License purchases are subject to the refund policies at the time and point of purchase.

### 3. Specific Program Use Rights

#### 3.1. MATLAB Distributed Computing Server ("MDCS")

##### 3.1.1. General MDCS Use Rights

Licensed Users of MDCS may run simultaneous sessions of certain Programs on one or more Computers through MDCS, subject to the restrictions below:

(i) For all License Uses except Total Academic Headcount: (1) all Programs being run on each MDCS must be controlled by the same, single License Manager, and (2) the number of simultaneous Program sessions by all Licensed Users may not exceed the number of MDCS workers licensed. (MDCS On-Demand allows you to scale the number of MDCS workers licensed. See Section 3.1.2 below for details.)

(ii) If you have a Total Academic Headcount License: (1) the Programs may be controlled by separate License Managers, and (2) the number of simultaneous Program sessions by each Licensed User may not exceed the number of MDCS workers licensed.

(iii) You must have access to a valid license to Parallel Computing Toolbox and any Programs you wish to use with MDCS in order to be able to run sessions of such Programs through MDCS. Access to the MDCS worker must be enabled through a validly licensed use of Parallel Computing Toolbox.

(iv) Access to MDCS may not be made available to any user outside the country for which MDCS is licensed, unless the Licensee has contracted for global use or is using an Educational Institution License.

(v) Access to MDCS may not be made available to any Third Party unless expressly allowed by your License Use.

### 3.1.2 MDCS On-Demand Use Rights

On-demand use of MDCS allows you to pay based on usage. Subject to all other restrictions in Section 3.1.1 above, Licensed Users of MDCS may also scale the number of MDCS workers on the following additional terms: (1) Licensee employs the MathWorks Hosted License Manager ("MHLM") for its license management; and (2) Licensee agrees, on behalf of its Licensed Users, to the terms of use at [mathworks.com/cloudcenterandondemandtermsofuse](https://mathworks.com/cloudcenterandondemandtermsofuse), including the obligation to pay all MDCS on-demand fees incurred by its Licensed Users applicable to their on-demand use, if any, of MDCS workers. Any fees that may be due to any cloud providers for use of their platforms, programs, or services are separate and are the responsibility of the Licensee.

### 3.2. MATLAB Production Server

Licensed Users of MATLAB Production Server (MPS) are permitted to install and use MPS for the sole purpose of scheduling and running Applications generated with Licensee's validly licensed MATLAB Compiler Program, provided that the number of workers running simultaneously on one or more Computers does not exceed the number of MPS workers acquired. Licensee may make the Applications running on MPS accessible to end-users globally, including Third Parties, via a web interface, or other interface provided by Licensee, subject to the restrictions of Part Two, Section 3.1 of this document (Deployment Rights; MATLAB Compiler).

## PART TWO: DEPLOYMENT RIGHTS

The Software License Agreement grants a Licensee and its Licensed Users ("you") the limited rights to install and use Programs in accordance with the License Offering you acquire. The Software License Agreement does not grant you the right to modify or distribute Programs or Program Components or create derivative works. This Part Two sets forth additional limited rights to modify, create derivative works of, and/or distribute certain Program Components as specifically set forth below.

Certain Programs, such as the MATLAB Compiler and the Coder Programs, generate output in the form of Source Code, Object Code, or other files and materials. For example, the MATLAB Compiler can be used to create an executable program, and MATLAB Coder and other Coder Programs can be used to generate Source Code in C and C++. Under certain circumstances described below, you are permitted to use and distribute the files, models, Applications, and Generated Forms that you create using the Programs.

Some Programs are technically prevented from being compiled, distributed, called from a web application, or used with MDCS.

All rights described below are limited by the restrictions of your License Offering, this Program Offering Guide, and the Software License Agreement.

### 1. Deployment Rights for User Files

You may distribute or sublicense User Files without restriction, provided that a principal purpose of the distribution or sublicense is not to replace or replicate a Program or any part of a Program and you otherwise comply with the general restrictions of the Software License Agreement and your License Offering. "User Files" are MATLAB code files, Simulink model files, MEX-files, MAT-files, VHDL-files, Verilog-files, FIG-files or P-files that you create and that do not include any code obtained from MATLAB code files, Simulink model files, MAT-files, VHDL-files, Verilog-files, TLC-files, P-code, C/C++ files or other Source Code files supplied with the Programs.

### 2. Deployment Rights for Derivative Forms

Your rights to create, use and distribute Derivative Forms are limited to those rights expressly set forth in this Section 2.

You may distribute Derivative Forms to Third Parties only (a) as expressly permitted in Section 3.4 (API Code) below, or (b) if the Third Party is bound by a Software License Agreement with MathWorks that requires such Third Party to treat such Derivative Forms received from you as its own Derivative Form under its Software License Agreement.

If you receive software that is a Derivative Form under a Third Party's Software License Agreement with MathWorks, or would otherwise be a Derivative Form under the terms of your Software License Agreement, then you must treat such software as a Derivative Form as if you modified or generated the software yourself.

### 3. Deployment Rights for Generated Forms and Applications

Your rights to create, use and distribute Generated Forms and Applications are limited to those rights expressly set forth in this Section 3.

No further license or royalty fees shall be due to MathWorks for deployment as expressly permitted in this Section, regardless of whether the deployment is solely for your Internal Operations or to Third Parties.

#### 3.1. MATLAB Compiler

If you license the MATLAB Compiler, you may create and deploy Applications generated by the MATLAB Compiler that meet the requirements of this Section and comply with the restrictions in the Software License Agreement.

These Applications may include compiled versions of MATLAB code files, but only as required for the Application and from Programs that you have licensed. You may also use and distribute the MATLAB Runtime together with these Applications for the sole purpose of running the Applications. However, you are prohibited from making copies of the MATLAB Runtime accessible to any Third Party separate from or for use other than with your Application, and from providing the MATLAB Runtime for service bureau or similar service use.

If you license the Parallel Computing Toolbox (PCT) and generate an Application using any functionality of the PCT, that Application may enable up to the number of workers provided by the PCT used to build the Application. End-users of your Application do not need to have a license to the PCT.

Your exercise of any of the rights granted here is subject to the restrictions in the Software License Agreement, including the following:

- i) You may not distribute any library header files.
- ii) You may not use your Application to enable access to the code generation capabilities of Programs or the capabilities of other Transformation Programs.
- iii) Your Application may not provide capability similar to the capabilities of any of Programs, or provide functionality or behavior similar to that of the MATLAB command line or scripting and programming capabilities. Your Application also may not enable evaluation of end-user code or expressions.
- iv) Your Application may not provide access to all or a substantial portion of a Program.
- v) You must include the notice "MATLAB(r). (c) 1984 - [INSERT YEAR MATLAB VERSION PUBLISHED] The MathWorks, Inc." in your Application's About Box, or similar visible location, and in the applicable documentation distributed with each copy of your Application.
- vi) You may not modify or remove any proprietary notices included with Programs or Program Components.

### 3.2. Coder Programs

This Section discusses the deployment rights MathWorks grants you in conjunction with your license and use of the Coder Programs: 1) MATLAB Coder, 2) Simulink Coder, 3) Embedded Coder, 4) HDL Coder, 5) Filter Design HDL Coder, and 6) Simulink PLC Coder.

The Coder Programs take content that you choose to input. Depending on the Coder Program you use, the input could be a Simulink model, a Stateflow diagram, or MATLAB code. The Coder Program then converts this input to code in C/C++, VHDL/Verilog or PLC structured text. You may copy and deploy these Generated Forms for use outside of the Programs.



In order to enable this output code to work, each of these Coder Programs will link in certain files proprietary to MathWorks, which may include C, C++, Assembly, linker command files, template makefiles, project files, or TLC source code files. You may only copy, modify, and deploy these proprietary MathWorks files in Source Code or Linked Object Code form for different development targets when used with the Coder Programs or with code generated by the Coder Programs as part of, and only as required by, a larger standalone application. A standalone application is an Application created using programming languages and tools other than the Programs, which executes outside of the Programs.

### 3.3. Simulink Real-Time

You may use Simulink Real-Time to develop Applications that include Object Code derived from Program Components of Simulink Real-Time that are required by the Application and that have been compiled or otherwise obtained from Simulink Coder on a single development Computer, download that Application to a target Computer, and distribute that Application beyond the target Computer.

### 3.4. API Code

Programs you license may include selected Source Code and shared Object Code library files that implement various documented application programming interface (API) capabilities.

You may use and modify such Source Code files solely for creation of your own Application. You may copy and distribute Object Code compiled from this Source Code, but only as either a standalone Object Code file or Object Code linked to your Application, and only for use with and deployment of your own Application.

You may use, copy and distribute shared Object Code library files from the Programs for deployment of your own Application, but only if a header file exists in the Program for the shared library file. However, you may not copy or distribute the header files. You may not transfer Source Code, development rights or development capabilities for any Source Code or Object Code from the Programs to any Third Party.

### 3.5. MAT-Files

You may create and distribute Applications that read MAT-files using the MAT-file API, but if you distribute such Applications to third parties, they must also implement MAT-file write capability.

## 4. Application License

If you are distributing an Application, you must accompany the Application with a written Application License. See the Glossary for Application License requirements. The only exceptions

to this requirement are when you are distributing an Application solely for Internal Operations, or within an embedded system not covered by a license agreement.

### PART THREE: TRANSFORMATION PROGRAMS

The Transformation Programs are:

MATLAB Coder

Simulink Coder

Embedded Coder

HDL Coder

GPU Coder

Filter Design HDL Coder

Simulink PLC Coder

MATLAB Compiler

MATLAB Compiler SDK

Simulink Design Verifier

Simulink Code Inspector

MATLAB Report Generator

Simulink Report Generator

Section 3.14 of the Software License Agreement states that you are not permitted to "create a server or automated system for the Transformation Programs without obtaining a license from MathWorks that expressly allows such use."

Without express consent from MathWorks, the Transformation Programs may not be used:

\* in an automated, batched, or unattended process for software development, validation, verification, deployment, or report generation (e.g., server farm, cluster, grid, build system, continuous integration system, regression server, or data center), or

\* by an individual acting as a server or automated system for processing the artifacts of other individuals.

#### PART FOUR: SOFTWARE MAINTENANCE SERVICE

MathWorks Software Maintenance Service is required in order to receive the following services:[fn4]

- \* Product updates with new features, enhancements, and bug fixes
- \* Direct technical support by phone, email, and web
- \* Ability to add new Programs[fn5]
- \* Access and storage for online services including MATLAB Mobile, MATLAB Drive, and MATLAB Online
- \* Access to prereleases of Programs that are available for pre-release
- \* Add-ons and Hardware Support Packages via Add-On Explorer
- \* Converting License Option[fn6]
- \* Transferring Programs[fn5,fn6]
- \* Changing country of Licensed Users or changing License to global use[fn6]
- \* Enhanced web access to trial licenses of Programs

You must keep your Software Maintenance Service up to date to receive these services uninterrupted. For Annual and Term licenses, the associated Software Maintenance Service will expire automatically at the end of the term. For Perpetual licenses, the first year of Software Maintenance Service is included with the initial purchase and you must renew annually after that.

Fees for subsequent year Software Maintenance Service renewals are calculated based on the Programs and License Offering. Software Maintenance Service must be purchased for a minimum of one year (12 months) forward.

Fees for Lapsed Software Maintenance Service

If your Software Maintenance Service has expired without being renewed, you may reinstate it by paying the fees described below. Reinstating will provide access to all Software Maintenance Service services available at the time of reinstatement, including the latest versions of Programs licensed. Your quote to reinstate lapsed Software Maintenance Service for Programs will include fees for annual renewal, including any applicable back maintenance fees for the lapsed period, and reinstatement fees if applicable. A reinstatement fee is applied to Software Maintenance Service for any Program that has lapsed for more than 3 months beyond the renewal date. These fees are subject to change.

## PART FIVE: GLOSSARY OF TERMS

"Academic Internal Operations" means the use of the Programs by enrolled students, employees (faculty and academic staff), and other academic staff (including visiting professors and researchers), provided that such other academic staff have been granted institution email accounts and internal network login privileges by the Licensee. Such use must be in accordance with the Educational Institutions License Use acquired, for the purpose of (i) in the case of employees and other academic staff, performing software administration, teaching, and noncommercial, academic research in their ordinary course; and (ii) in the case of enrolled students, meeting classroom requirements of courses and study offered by the Licensee.

Academic Internal Operations also includes the installation and use of the Programs in a data center, high performance computing center, or other academic computing resource controlled by Licensee ("Data Center") by any individual who has been granted access to the Data Center by Licensee for the purpose of performing software administration, teaching, or noncommercial academic research. In the case of Data Center use by an individual who is not an enrolled student, employee, or other academic staff of Licensee, downloading and use of any Programs on the individual's Computer or any other Computer not controlled by Licensee is expressly prohibited.

"Application" means binary executable software that runs independently of the Programs, consisting of one or more software files that Licensee has created by either (a) using a Program to compile or translate Licensee created Source Code or (b) incorporating or linking any part of any compiled Source Code, library file, or other Program Component provided with the Program. An Application must contain original code developed by Licensee and must provide substantial functionality not contained in, or provided by, the Program Components that are incorporated into such Application. If a software file created by a Licensee incorporates Program Components, but does not meet the requirements of the previous two sentences, then it is a Derivative Form (as defined below). An Application may contain Linked Object Code which, if such Object Code was not Linked to the Application and was a standalone file, would otherwise have been deemed a Derivative Form.

"Application License" means a license for an Application that contains terms and conditions that (a) are at least as restrictive as the terms and conditions of the Software License

Agreement (b) explicitly exclude MathWorks and its Licensors from all liability for damages or remedies; (c) do not provide a warranty for any Program; (d) do not transfer or convey any use or deployment rights for any Program without MathWorks consent; and (e) prohibit the removal of any copyright, trademark, logo, proprietary rights, disclaimer or warning notice included on or embedded in any part of the deployed Application. Further, if Licensee's Application is generated with the MATLAB Compiler, then Licensee's Application License shall include or incorporate by reference the terms of the MATLAB Runtime License included in a text file at [MCR Install Directory]\[version\_number]\MCR\_license.txt located within the installation for the MATLAB Runtime.

"Coder Programs" means Simulink Coder, MATLAB Coder, Embedded Coder, HDL Coder, Filter Design HDL Coder, Simulink PLC Coder, and GPU Coder.

"Derivative Form" means a software file that Licensee has derived from one or more Program Components (including without limitation by incorporating, translating, or modifying, in whole or in part, any Program Component), and which, if modified or copied without MathWorks' authorization, would constitute a copyright infringement or breach of the Agreement. A software file created by Licensee which qualifies as an "Application" under the above definition shall not be deemed a Derivative Form.

"Generated Form" means the output of the Transformation Programs in the form of Source Code or Object Code, as well as such Source Code converted to Object Code or Linked forms.

"Internal Operations" means the use of a Program by employees, consultants, student interns, and software administration contractors of Licensee or an Affiliate on behalf of the Licensee or Affiliate.

"Linked" means an executable or loadable file created by a compiler or linker program combining Object Code module files.

"MATLAB Runtime" means MATLAB Runtime support libraries and other files for deployment of Applications created with the MATLAB Compiler. MATLAB Runtime is a Program Component of the MATLAB Compiler.

"Named User" means a Licensed User, that must be an individual, designated and identified by the Licensee as the "Named User" for a License to a Program, and in respect to the Network Named User License Option, listed in the Local License Options File.

"Object Code" means the code created by a system compiler from source code; also called "machine-readable code." Object Code can be Linked with an appropriate linker to resolve address references and may be combined with other Object Code for targeted execution on a specific processor. Object Code includes "Object Code libraries" and "shared libraries," which are groupings of Object Code for specific purposes.

"Program" means the software licensed under the Software License Agreement, including Program Components, Documentation, enhancements, and error corrections. Each product licensed is a separate Program.

"Program Component" means any portion of, or file provided with, a Program.

"Source Code" means human-readable program code written in a higher-level language such as C, C++, Java, MATLAB, MDL, SLX, VHDL, Verilog, or Fortran, which must be translated or compiled into machine-readable code before it can be executed by a computer. Source Code also includes header files and other human-readable files necessary for a Program to be compiled in the higher-level language.

"Transformation Programs" are the Programs listed in Part Three.

#### FOOTNOTES

[fn1] Details for MDCS and MATLAB Production Server vary. See Section 3 below.

[fn2] Solely in respect to a Concurrent License Option licensed for a Standard License Use, "Country" means in respect to member countries of the North American Free Trade Agreement ("NAFTA"), all such countries collectively; and in respect to Iceland, Norway, Switzerland, and member countries of the European Union ("EU"), all such countries collectively.

[fn3] Microsoft and Skype are registered trademarks of Microsoft Corporation.

[fn4] Services may vary depending on License Offering.

[fn5] Program dependency rules apply.

[fn6] Additional fees may apply.

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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 MDT and Licensee. This License Agreement does not grant permission to use MDT 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 matplotlib , Licensee agrees to be bound by the terms and conditions of this License Agreement.

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John Hunter began matplotlib around 2003. Since shortly before his passing in 2012, Michael Droettboom has been the lead maintainer of matplotlib, but, as has always been the case, matplotlib is the work of many.

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\* This file is part of the Micro Python project, <http://micropython.org/>

\*

\* These math functions are taken from newlib-nano-2, the newlib/libm/math directory, available from <https://github.com/32bitmicro/newlib-nano-2>.

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/\* ef\_rem\_pio2.c -- float version of e\_rem\_pio2.c

\* Conversion to float by Ian Lance Taylor, Cygnus Support, [ian@cygnus.com](mailto:ian@cygnus.com).

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/-----*/
```

```
>>> sha256
```

```
/*-----*/
* Filename: sha256.c
* Author: Brad Conte (brad AT bradconte.com)
* Copyright:
* Disclaimer: This code is presented "as is" without any guarantees.
* Details: Implementation of the SHA-256 hashing algorithm.
          SHA-256 is one of the three algorithms in the SHA2
          specification. The others, SHA-384 and SHA-512, are not
          offered in this implementation.
          Algorithm specification can be found here:
          * http://csrc.nist.gov/publications/fips/fips180-2/fips180-2withchangenotice.pdf
          This implementation uses little endian byte order.
*****/
```

```
>>>> tiny test
```

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Encryption compatible with pkzip 2.04g only supported  
Old compressions used by old PKZip 1.x are not supported

I WAIT FEEDBACK at mail [info@winimage.com](mailto:info@winimage.com)  
Visit also <http://www.winimage.com/zLibDll/unzip.htm> for evolution

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Additional tools for Minizip  
Code: Xavier Roche '2004  
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```
mlpart version Umpack-42-070413  
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////////////////////////////////////

```
>>> gpl v2
# bzgrep -- a wrapper around a grep program that decompresses files as needed
# Adapted from zgrep of the Debian gzip package by Anibal Monsalve Salazar.
# Adapted from a version sent by Charles Levert <charles@comm.polymtl.ca>
```

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```

```
>>> zlib license
```

```
// 67d7842dbbe25473c3c32b93c0da8047785f30d78e8a024de1b57352245f9689  
/* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.8, April 28th, 2013
```

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

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

```
*/
```

```
>>> apache license
```

```
"""Class for profiling Python code."""
```

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```

```
>>> bsd 3 license
```

```
/* $NetBSD: profile.h,v 1.6 1995/03/28 18:17:08 jtc Exp $ */
```

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/*
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>>> lgpl 2.1 or later

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```
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```

```

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A. HISTORY OF THE SOFTWARE
=====

```

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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

| Release        | Derived from | Year      | Owner | GPL-compatible? (1) |
|----------------|--------------|-----------|-------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI   | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI  | yes                 |

|               |           |          |            |         |
|---------------|-----------|----------|------------|---------|
| 1.6           | 1.5.2     | 2000     | CNRI       | no      |
| 2.0           | 1.6       | 2000     | BeOpen.com | no      |
| 1.6.1         | 1.6       | 2001     | CNRI       | yes (2) |
| 2.1           | 2.0+1.6.1 | 2001     | PSF        | no      |
| 2.0.1         | 2.0+1.6.1 | 2001     | PSF        | yes     |
| 2.1.1         | 2.1+2.0.1 | 2001     | PSF        | yes     |
| 2.1.2         | 2.1.1     | 2002     | PSF        | yes     |
| 2.1.3         | 2.1.2     | 2002     | PSF        | yes     |
| 2.2 and above | 2.1.1     | 2001-now | PSF        | yes     |

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\*\*\*\*\*/

```
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/* +++ zlib.h */
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.0.4, Jul 24th, 1996.
```

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gzip@prep.ai.mit.edu     madler@alumni.caltech.edu

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relating to the subject matter and supersede all prior or contemporaneous agreements. If Customer does not agree to these terms and conditions, promptly return or, in the case of Software received electronically, certify destruction of Software and all accompanying items within five days after receipt of Software and receive a full refund of any license fee paid.

#### 1. ORDERS, FEES AND PAYMENT.

1.1. To the extent Customer (or if agreed by Mentor Graphics, Customer's appointed third party buying agent) places and Mentor Graphics accepts purchase orders pursuant to this Agreement (each an "Order"), each Order will constitute a contract between

Customer and Mentor Graphics, which shall be governed solely and exclusively by the terms and conditions of this Agreement,

any applicable addenda and the applicable quotation, whether or not those documents are referenced on the Order. Any

additional or conflicting terms and conditions appearing on an Order or presented in any electronic portal or automated order

management system, whether or not required to be electronically accepted, will not be effective unless agreed in writing and

physically signed by an authorized representative of Customer and Mentor Graphics.

1.2. Amounts invoiced will be paid, in the currency specified on the applicable invoice, within 30 days from the date of such invoice.

Any past due invoices will be subject to the imposition of interest charges in the amount of one and one-half percent per month

or the applicable legal rate currently in effect, whichever is lower. Prices do not include freight, insurance, customs duties, taxes

or other similar charges, which Mentor Graphics will state separately in the applicable invoice.

Unless timely provided with a

valid certificate of exemption or other evidence that items are not taxable, Mentor Graphics will invoice Customer for all

applicable taxes including, but not limited to, VAT, GST, sales tax, consumption tax and service tax. Customer will make all

payments free and clear of, and without reduction for, any withholding or other taxes; any such taxes imposed on payments by

Customer hereunder will be Customer's sole responsibility. If Customer appoints a third party to place purchase orders and/or

make payments on Customer's behalf, Customer shall be liable for payment under Orders placed by such third party in the event

of default.

1.3. All Products are delivered FCA factory (Incoterms 2010), freight prepaid and invoiced to Customer, except Software delivered

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4.5. The provisions of this Section 4 shall survive the termination of this Agreement.

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#### 9. THIRD PARTY CLAIMS.

9.1. Customer acknowledges that Mentor Graphics has no control over the testing of Customer@s products, or the specific applications and use of Products. Mentor Graphics and its licensors shall not be liable for any claim or demand made against Customer by any third party, except to the extent such claim is covered under Section 10.

9.2. In the event that a third party makes a claim against Mentor Graphics arising out of the use of Customer@s products, Mentor Graphics will give Customer prompt notice of such claim. At Customer@s option and expense, Customer may take sole control of the defense and any settlement of such claim. Customer WILL reimburse and hold harmless Mentor Graphics for any LIABILITY, damages, settlement amounts, costs and expenses, including reasonable attorney@s fees, incurred by or awarded against Mentor Graphics or its licensors in connection with such claims.

9.3. The provisions of this Section 9 shall survive any expiration or termination of this Agreement.

#### 10. INFRINGEMENT.

10.1. Mentor Graphics will defend or settle, at its option and expense, any action brought against Customer in the United States,

Canada, Japan, or member state of the European Union which alleges that any standard, generally supported Product acquired

by Customer hereunder infringes a patent or copyright or misappropriates a trade secret in such jurisdiction. Mentor Graphics

will pay costs and damages finally awarded against Customer that are attributable to such action. Customer understands and

agrees that as conditions to Mentor Graphics© obligations under this section Customer must:

(a) notify Mentor Graphics

promptly in writing of the action; (b) provide Mentor Graphics all reasonable information and assistance to settle or defend the

action; and (c) grant Mentor Graphics sole authority and control of the defense or settlement of the action.

10.2. If a claim is made under Subsection 10.1 Mentor Graphics may, at its option and expense:

(a) replace or modify the Product so

that it becomes noninfringing; (b) procure for Customer the right to continue using the Product; or (c) require the return of the Product and refund to Customer any purchase price or license fee paid, less a reasonable allowance for use.

10.3. Mentor Graphics has no liability to Customer if the action is based upon: (a) the combination of Software or hardware with any product not furnished by Mentor Graphics; (b) the modification of the Product other than by Mentor Graphics; (c) the use of other than a current unaltered release of Software; (d) the use of the Product as part of an infringing process; (e) a product that Customer makes, uses, or sells; (f) any Beta Code or Product provided at no charge; (g) any software provided by Mentor Graphics© licensors who do not provide such indemnification to Mentor Graphics© customers; (h) OSS, except to the extent that the infringement is directly caused by Mentor Graphics© modifications to such OSS; or (i) infringement by Customer that is deemed willful. In the case of (i), Customer shall reimburse Mentor Graphics for its reasonable attorney fees and other costs related to the action.

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11.2. Upon termination of this Agreement, the rights and obligations of the parties shall cease except as expressly set forth in this Agreement. Upon termination of this Agreement and/or any license granted under this Agreement, Customer shall ensure that all use of the affected Products ceases, and shall return hardware and either return to Mentor Graphics or destroy Software in Customer's possession, including all copies and documentation, and certify in writing to Mentor Graphics within ten business days of the termination date that Customer no longer possesses any of the affected Products or copies of Software in any form.

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16. CONTROLLING LAW, JURISDICTION AND DISPUTE RESOLUTION. The owners of certain Mentor Graphics intellectual property licensed under this Agreement are located in Ireland and the U.S. To promote consistency around the world, disputes shall be resolved as follows: excluding conflict of laws rules, this Agreement shall be governed by and construed under the laws of the State of Oregon, U.S., if Customer is located in North or South America, and the laws of Ireland if Customer is located outside of North or South America or Japan, and the laws of Japan if Customer is located in Japan. All disputes arising out of or in relation to this Agreement shall be submitted to the exclusive jurisdiction of the courts of Portland, Oregon when the laws of Oregon apply, or Dublin, Ireland when the laws of Ireland apply, or the Tokyo District Court when the laws of Japan apply. Notwithstanding the foregoing, all disputes in Asia (excluding Japan) arising out of or in relation to this Agreement shall be resolved by arbitration in Singapore before a single arbitrator to be appointed by the chairman of the Singapore International Arbitration Centre (SIAC) to be conducted in the English language, in accordance with the Arbitration Rules of the SIAC in effect at the time of the dispute, which rules are deemed to be incorporated by reference in this section. Nothing in this section shall restrict Mentor Graphics® right to bring an action (including for example a motion for injunctive relief) against Customer in the jurisdiction where Customer's place of business is located. The United Nations Convention on Contracts for the International Sale of Goods does not apply to this Agreement.

17. SEVERABILITY. If any provision of this Agreement is held by a court of competent jurisdiction to be void, invalid, unenforceable or illegal, such provision shall be severed from this Agreement and the remaining provisions will remain in full force and effect.

18. MISCELLANEOUS. This Agreement contains the parties' entire understanding relating to its subject matter and supersedes all prior

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\* configuration, and the function prototypes match OpenSSL's. No code from  
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\*  
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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

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\* to the IJG library used to read and write JPEG files. Much of it has

\* been copied, updated, and annotated from the jpegdecoder.c AWT JPEG

\* decoder. Where that code was unclear, the present author has either

\* rewritten the relevant section or commented it for the sake of future

\* maintainers.

\*

\* In particular, the way the AWT code handled progressive JPEGs seems

\* to me to be only accidentally correct and somewhat inefficient. The

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## A. HISTORY OF THE SOFTWARE

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

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

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible© (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |

|       |           |           |     |     |
|-------|-----------|-----------|-----|-----|
| 2.1   | 2.0+1.6.1 | 2001      | PSF | no  |
| 2.0.1 | 2.0+1.6.1 | 2001      | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001      | PSF | yes |
| 2.2   | 2.1.1     | 2001      | PSF | yes |
| 2.1.2 | 2.1.1     | 2002      | PSF | yes |
| 2.1.3 | 2.1.2     | 2002      | PSF | yes |
| 2.2.1 | 2.2       | 2002      | PSF | yes |
| 2.2.2 | 2.2.1     | 2002      | PSF | yes |
| 2.2.3 | 2.2.2     | 2003      | PSF | yes |
| 2.3   | 2.2.2     | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3       | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1     | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2     | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3     | 2004      | PSF | yes |
| 2.3.5 | 2.3.4     | 2005      | PSF | yes |
| 2.4   | 2.3       | 2004      | PSF | yes |
| 2.4.1 | 2.4       | 2005      | PSF | yes |
| 2.4.2 | 2.4.1     | 2005      | PSF | yes |
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| 2.5   | 2.4       | 2006      | PSF | yes |
| 2.5.1 | 2.5       | 2007      | PSF | yes |
| 2.5.2 | 2.5.1     | 2008      | PSF | yes |
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| 2.6.2 | 2.6.1     | 2009      | PSF | yes |
| 2.6.3 | 2.6.2     | 2009      | PSF | yes |
| 2.6.4 | 2.6.3     | 2009      | PSF | yes |
| 2.6.5 | 2.6.4     | 2010      | PSF | yes |
| 2.7   | 2.6       | 2010      | PSF | yes |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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 * Version: v2.9.2
 *
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 * Web: http://swisnl.github.io/jQuery-contextMenu/
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## History and License

### History of the software

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

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

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

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1.6

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2000

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no

2.0

1.6

2000

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1.6

2001

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2001

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2.1+2.0.1

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2.1.2

2.1.1

2002

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Mersenne Twister

The `_random` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

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Sockets

The socket module uses the functions, `getaddrinfo()`, and `getnameinfo()`, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>.

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

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djb (supercop/crypto\_auth/siphash24/little2)

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python3 version 3.6.9-1~18.04ubuntu1.4  
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This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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## A. HISTORY OF THE SOFTWARE

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

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

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |

|       |       |           |     |     |
|-------|-------|-----------|-----|-----|
| 2.3.1 | 2.3   | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004      | PSF | yes |
| 2.3.5 | 2.3.4 | 2005      | PSF | yes |
| 2.4   | 2.3   | 2004      | PSF | yes |
| 2.4.1 | 2.4   | 2005      | PSF | yes |
| 2.4.2 | 2.4.1 | 2005      | PSF | yes |
| 2.4.3 | 2.4.2 | 2006      | PSF | yes |
| 2.4.4 | 2.4.3 | 2006      | PSF | yes |
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| 2.5.1 | 2.5   | 2007      | PSF | yes |
| 2.5.2 | 2.5.1 | 2008      | PSF | yes |
| 2.5.3 | 2.5.2 | 2008      | PSF | yes |
| 2.6   | 2.5   | 2008      | PSF | yes |
| 2.6.1 | 2.6   | 2008      | PSF | yes |
| 2.6.2 | 2.6.1 | 2009      | PSF | yes |
| 2.6.3 | 2.6.2 | 2009      | PSF | yes |
| 2.6.4 | 2.6.3 | 2009      | PSF | yes |
| 3.0   | 2.6   | 2008      | PSF | yes |
| 3.0.1 | 3.0   | 2009      | PSF | yes |
| 3.1   | 3.0.1 | 2009      | PSF | yes |
| 3.1.1 | 3.1   | 2009      | PSF | yes |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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```

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mkdepend : generate dependency information from C/C++ files

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Modified heavily by David Gravereaux <davygrvy@pobox.com> about 9/17/2006. Original can be found @  
<http://web.archive.org/web/20070616205924/http://www.doc.ic.ac.uk/~np2/software/mkdepend.html>

=====  
RCS: @(#) \$Id: mkdepend.tcl,v 1.6 2007/12/13 15:28:40 dgp Exp \$  
=====

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- 1) ./generic/regexec.c
- 2) ./generic/regc\_color.c
- 3) ./generic/regc\_cvec.c
- 4) ./generic/regc\_nfa.c
- 5) ./generic/regerror.c
- 6) ./generic/regguts.h
- 7) ./generic/regfronts.c
- 8) ./generic/regfree.c
- 9) ./generic/regc\_lex.c
- 10) ./generic/regcustom.h
- 11) ./generic/rege\_dfa.c
- 12) ./generic/regcomp.c

-----

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- 3) `./generic/regc_cvec.c` - "Notes: Only (selected) functions in `_this_file` should treat `chr*` as non-constant."
- 4) `./generic/regc_nfa.c` - "One or two things that technically ought to be in here are actually in `color.c`, thanks to some incestuous relationships in the color chains."
- 6) `./generic/regguts.h` - "Environmental customization. It should not (I hope) be necessary to alter the file you are now reading -- `regcustom.h` should handle it all, given care here and elsewhere."
- 8) `./generic/regfree.c` - "You might think that this could be incorporated into `regcomp.c`, and that would be a reasonable idea... except that this is a generic function (with a generic name), applicable to all compiled Res regardless of the size of their characters, whereas the stuff in `regcomp.c` gets compiled once per character size."
- 9) `./generic/regc_lex.c` - "scanning macros (know about v)"
- 10) `./generic/regcustom.h` - "Headers if any."

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-----

A Bison parser, made by GNU Bison 2.3.

Skeleton implementation for Bison's Yacc-like parsers in C

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C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser.

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Identify Bison output.

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This file implements the dlopen and dlsym APIs under the AIX operating system, to enable the Tcl "load" command to work. This code was provided by Jens-Uwe Mager.

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RCS: @(#) \$Id: tclLoadAix.c,v 1.6 2007/04/16 13:36:36 dkf Exp \$

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@(#)dlfcn.c 1.7 revision of 95/08/14 19:08:38

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*
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- \* Treelite builds upon Philip's earlier work at **Paul G. Allen School of Computer Science and Engineering, University of Washington at Seattle**, which was performed under the guidance of **Carlos Guestrin** and **Arvind Krishnamurthy**.
- \* **Tianqi Chen** (member of DMLC) offered many great ideas for the conception of the project. He also provided feedback pertaining to API design.
- \* **Mu Li** (member of DMLC) provided advice and resources to develop treelite into a full-fledged open source project.
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

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

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| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
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u-boot version 2019.2

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```

Summary:

=====

This directory contains the source code for U-Boot, a boot loader for Embedded boards based on PowerPC, ARM, MIPS and several other processors, which can be installed in a boot ROM and used to initialize and test the hardware or to download and run application code.

The development of U-Boot is closely related to Linux: some parts of the source code originate in the Linux source tree, we have some header files in common, and special provision has been made to support booting of Linux images.

Some attention has been paid to make this software easily configurable and extendable. For instance, all monitor commands are implemented with the same call interface, so that it's very easy to add new commands. Also, instead of permanently adding rarely used code (for instance hardware test utilities) to the monitor, you can load and run it dynamically.

Status:

=====

In general, all boards for which a configuration option exists in the



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bzip2/libbzip2 version 1.0 of 21 March 2000

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Peter Fenwick  
Alistair Moffat  
Radford Neal  
Ian H. Witten  
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Jon L. Bentley

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*
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*
* This is a simple DNS implementation for U-Boot. It will use the first IP
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*
* The packet handling is partly based on TADNS, original copyrights
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 */
https://github.com/Xilinx/u-boot-xlnx/blob/master/drivers/adc/adc-uclass.c
```

```
udev version 237-3ubuntu10.44
<<<<<<<<<xilinx-separator>>>>>>>>>>
```

```
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: systemd
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src/udev/udev-builtin.c  
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src/udev/net/link-config.h  
src/udev/net/link-config.c  
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57. TypeScript-TmLanguage version 1.0.0 (<https://github.com/Microsoft/TypeScript-TmLanguage>)

58. Unicode version 12.0.0 (<http://www.unicode.org/>)
59. vscode-codicons version 0.0.1 (<https://github.com/microsoft/vscode-codicons>)
60. vscode-logfile-highlighter version 2.6.0 (<https://github.com/emilast/vscode-logfile-highlighter>)
61. vscode-swift version 0.0.1 (<https://github.com/owensd/vscode-swift>)
62. Web Background Synchronization (<https://github.com/WICG/BackgroundSync>)

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```
* If we want Span to work with std interface, like range for loop, the
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```
>>>> uio.h
/* SPDX-License-Identifier: GPL-2.0 */
/*
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```





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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.1, November 17th, 2003

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.4, Mar 14th, 2010

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support on both zip and unzip Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> ) For more info read MiniZip\_info.txt

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[.info-zip.org/pub/infozip/license.html](ftp://ftp.info-zip.org/pub/infozip/license.html) crypt.c (full version) by Info-ZIP. Last

revised: [see crypt.h] The encryption/decryption parts of this source code (as

opposed to the non-echoing password parts) were originally written in Europe.

The whole source package can be freely distributed, including from the USA.

(Prior to January 2000, re-export from the US was a violation of US law.) This

encryption code is a direct transcription of the algorithm from Roger Schlafly,

described by Phil Katz in the file appnote.txt. This file (appnote.txt) is

distributed with the PKZIP program (even in the version without encryption

capabilities). Changes in unzip.c 2007-2008 - Even Rouault - Addition of

`cpl_unzGetCurrentFileZStreamPos` 2007-2008 - Even Rouault - Decoration of symbol

names `unz -> cpl_unz` 2007-2008 - Even Rouault - Remove old C style function

prototypes 2007-2008 - Even Rouault - Add unzip support for ZIP64 Copyright (C)

2007-2008 Even Rouault Oct-2009 - Mathias Svensson - Removed `cpl_` from symbol

names (Even Rouault added them but since this is now moved to a new project

(minizip64) I renamed them again). Oct-2009 - Mathias Svensson - Fixed problem

if uncompressed size was > 4G and compressed size was <4G should only read the

compressed/uncompressed size from the Zip64 format if the size from normal

header was 0xFFFFFFFF Oct-2009 - Mathias Svensson - Applied some bug fixes from

paches recived from Gilles Vollant Oct-2009 - Mathias Svensson - Applied support

to unzip files with compression method BZIP2 (bzip2 lib is required) Patch

created by Daniel Borca Jan-2010 - back to unzip and minizip 1.0 name scheme,

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

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

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

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

d) If distribution of the work is made by offering access to copy

from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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

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

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

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

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

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## 0. Additional Definitions.

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An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

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

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

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

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

## 2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application



that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
- b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

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

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

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

### 4. Combined Works.

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

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

d) Do one of the following:

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

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

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

## 5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

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

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Version 2, June 1991

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[This is the first released version of the library GPL. It is  
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Preamble

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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 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.

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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 program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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

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

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

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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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 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.

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principal author, although it includes many contributions from others.

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

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

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
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| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
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| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |

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| 2.4   | 2.3   | 2004 | PSF | yes |
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