License Guide for
QNX® Platform for Instrument Clusters Version 1.0
Version 1.0

(See **Publication History** for version details)

TABLE OF CONTENTS

1. Introduction

This License Guide describes the contents and corresponding licensing attributes of the QNX® Platform for Instrument Clusters Version 1.0 ("QPIC 1.0"). This License Guide is also designed to present the third party licensing considerations that apply to QPIC 1.0. All capitalized terms used but not defined in this License Guide have the respective meanings ascribed to them in the QNX Developer Licenses (as defined below).

QNX Developer Licenses

QPIC 1.0 is licensed to you by QNX Software Systems Limited ("QSS") under one of two QNX developer licenses, copies of which are provided in the installation media for QPIC 1.0 and which have also been published at the URL below (collectively the "QNX Developer Licenses" or the "QDLs"), which include the following:

(1) the QNX Commercial Software License Agreement ("CSLA"), for commercial developers; and

(2) the QNX Partner Software License Agreement ("PSLA"), for members of the QNX eco-system.

Please refer to http://licensing.qnx.com/document-archive/ for these QDLs.

Third Party Software

Like other embedded technology providers, QSS may include a number of third party software contributions in its products. Before adopting Development Tools or Runtime Components, your developers should review this License Guide and the corresponding version of the Third Party License Terms List ("TPLTL"), a copy of which is included in the QPIC 1.0 installation media or is available at http://licensing.qnx.com/document-archive/, to determine any applicable open source license terms or special considerations. The TPLTL contains the full text of all relevant open source licenses, along with tables listing those that apply to specific binary files that make up the Runtime Components.

Except for published source code files that are expressly identified by QSS as open source software, none of the QPIC 1.0 components are open source software. To the extent permitted by applicable open source license(s), any licenses identified in the License Guide/Third Party License Terms List or other references identifying applicable open source license terms only apply to the original open source code used by QSS or its licensors and not to any pre-existing code modified using, or combined with, such open source code, or any new interests in derivative works created from such open source code. These other software elements are licensed to you under the terms and conditions of your QDL.

Relevant Open Source Licenses

To identify the open source license terms for a particular configuration of Runtime Components that you intend to use in your Target System, you start by (1) gathering the legal identification codes ("Legal ID Codes") and/or QNX technology categories from the "End User Licenses" column of this License Guide for the applicable technologies. From there, you can (2) look-up the specific open source license terms for the relevant Legal ID Codes (e.g., "BSD-4C:70" or "UL:61") in the main body of the TPLTL. These tables list all of the Legal ID Codes that apply to the referenced QSS technology categories, which can then be cross-referenced to the specific open source license terms in the main body of the TPLTL as described above.

The File Mapping tables allow you to isolate the open source license terms that apply to the particular binary files that you intend to ship. The File Mapping tables are generated from a database tool ("File Mapping database") that QSS uses to map Legal ID Codes to binary files that have been built using the applicable source code files, libraries and header files. The File Mapping tables address all Runtime Component sections of this License Guide and applicable components (including static link libraries). Please contact licensing@qnx.com for any updates to the File Mapping tables, or if it would be helpful for you to have the File Mapping tables in a different format (e.g., in an Excel file).

If a Legal ID Code is referred to generically in the License Guide as one of the families of open source licenses listed in the TPLTL (for example, "BSD-3C" or "UL" without any specific notice numbers), then refer to the File Mapping table for the specific references, or contact licensing@qnx.com for further assistance.

If your developers have downloaded other code from Foundry27™ or the myQNX download center, or if you have included Priority Support Patch updates or custom engineering deliverables from QSS, to be complete, you must also check for additional restrictions or licensing considerations identified on Foundry27, or in the source code you were provided with, and/or you must request a custom report from QSS. Custom reports for these types of files are available from our File Mapping database. Contact licensing@qnx.com for more information.

Of course, any third party and open source license restrictions relating to code your developers have developed or that you have sourced from other licensors will need to be taken into account.

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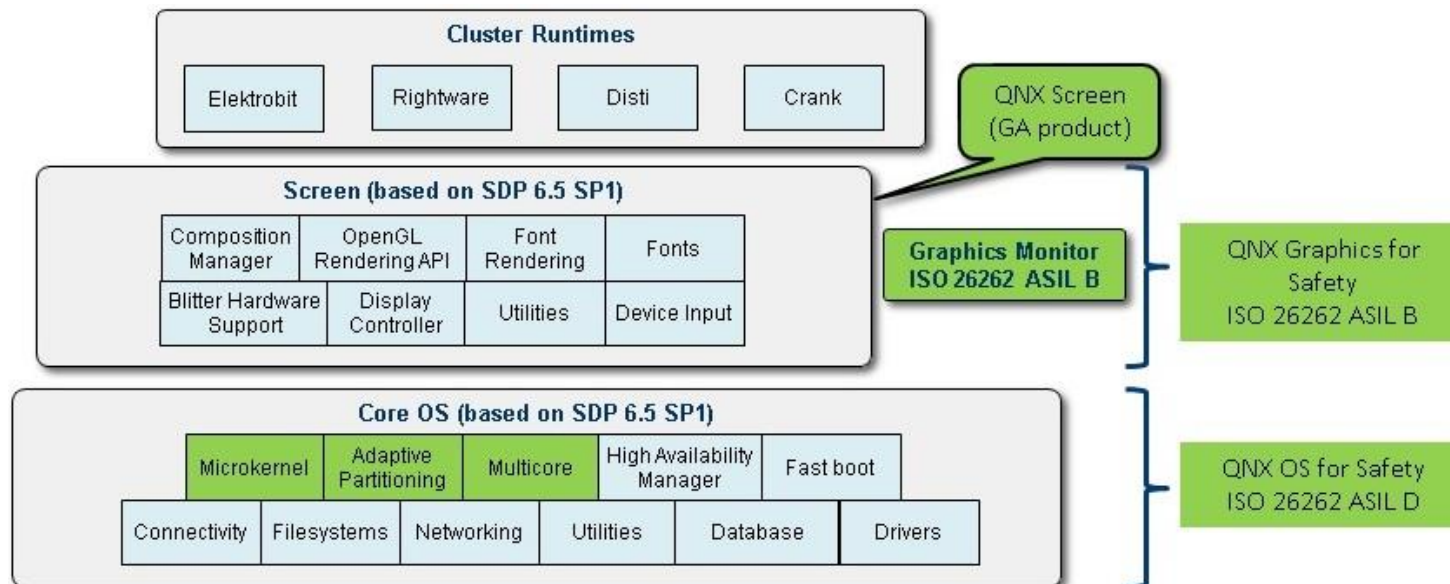
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2. QPIC 1.0 Overview

QPIC 1.0 is designed to address growing market demands for a digital instrument cluster solution with a functional safety rating. The Platform is based on QNX SDP 6.5.0 SP1 and contains the necessary components to create a digital instrument cluster meeting ISO 26262 requirements.

A complete solution for digital instrument clusters includes hardware (microprocessor, screen display etc.) and software (board support package, operating system, various middleware including a graphics framework, cluster applications etc.). QSS provides many software elements for this solution, including the following:
- QNX OS for Safety 1.0 (QOS 1.0), pre-certified to ISO 26262 ASIL D and IEC 61508 SIL3
- QNX Graphics for Safety (QGS), pre-certified to ISO 26262 ASIL B and IEC 61508 SIL2, which contains two components:
  - QNX Screen Graphics Subsystem for SDP 6.5 SP1 (ISO 26262 QM, or known as QNX GA quality)
  - QNX Graphics Monitor Subsystem (ISO 26262 ASIL B and IEC 61508 SIL2)
- Reference cluster applications integrated with QGS from cluster technology partners, demonstrating a solution to meet ISO 26262 requirements, interoperability and performance
- Documentation needed to support system-level certification for clusters

The figure above illustrates the various component required to form a typical digital instrument cluster and the fit of QPIC 1.0 in the context.

3. Licensing Overview

Your QDL allows you to develop Target Systems using QPIC 1.0 that you have licensed from QSS, as described in your Development License Certificate(s).

QPIC 1.0 may integrate a variety of QSS-proprietary and third-party technologies in order to deliver a broad range of capabilities to embedded developers.

This License Guide provides an explanation of the license rights being offered by QSS, as well as other third party licensing considerations that QSS is aware of that may impact the development of your products. **This information should not be construed as legal advice. You must consult your own legal advisor to determine and satisfy your own licensing obligations.** Please note that no attempt has been made to identify any content licensing considerations that may need to be taken into account.

The licensing of QPIC 1.0 technologies by QSS is done under the following 2 types of engagement models.

> **A. QSS Licensed or Sublicensed Code** – QSS licenses all of its intellectual property rights embodied in QSS Licensed Code and QSS Sublicensed Code under QSS's standard development and distribution license agreements described at the beginning of this License Guide. QPIC 1.0 is made up of QSS-authored software licensed to you as "QSS Licensed Code" and proprietary 3rd party code that has been modified or supplemented by QSS and is sublicensed to you as "QSS Sublicensed Code" (together with QSS Licensed Code, the "QSS Licensed or Sublicensed Code"). QSS Licensed or Sublicensed Code may also include elements of open source software, may embody confidential 3rd party specifications, and may embody or enable patented functionality or proprietary off-board services. Deviations from QSS standard license terms that relate to QSS Licensed or Sublicensed Code are identified in the tables below or in the applicable License Guide Details section of this document. Other 3rd party licensing considerations known to QSS are further described in the Licensing Considerations matrices below, but these matrices should not be assumed to be a comprehensive list or to constitute legal advice. You must consult your own legal advisor to determine and satisfy your own licensing obligations.
>
> **B. 3rd Party Licensed Code** - These are other components of QPIC 1.0 that may contain primarily 3rd party code delivered by QSS, which may have been modified or supplemented by QSS. They fall into two main categories, namely:
>
> (i) 3rd Party Reference Applications - See Section 2 (QPIC 1.0 Overview) for more details on this 3rd Party Licensed Code. 3rd Party Reference Applications are **not** delivered in the packages you received to install the Commercially Released components of the QNX Product Portfolio you have licensed. Some are provided as a reference image you may optionally download from myQNX to evaluate third party technologies. Updates to the reference image may be available on either myQNX or Foundry27 download sites. Additional 3rd Party Reference Applications may be downloaded from the QNX App Portal under separate evaluation licenses.

Any QSS intellectual property rights, or sub-licensable rights, in 3rd Party Licensed Code are licensed/sublicensed by QSS under the standard QSS license agreements. However, unlike QSS Sublicensed Code, 3rd Party Licensed Code must be licensed for commercial development and distribution directly from another technology supplier. Any QSS intellectual property rights in 3rd Party Licensed Code (if any) are licensed under the standard QSS license agreement terms and conditions.

Subsystem	Component	Engage-ment Model	Primary Owner of Technology	Product Delivered by	Additional Licensing Considerations
3rd Party Reference Applications	Pre-built demonstration runtime application binary	B	The DiSTI Corporation	QSS, in reference image available at myQNX	This component is licensed on a limited scope basis for evaluation and prototyping purposes only. Any additional license rights must be obtained from The DiSTI Corporation. Contact QSS at licensing@qnx.com for additional contact information.
	EB GUIDE GTF Runtime and Demo	B	Elektrobit Automotive GMBH	QSS, in reference image available at myQNX	This component islicensed on a limited scope basis for evaluation and prototyping purposes only. Any additional license rights must be obtained from Elektrobit Automotive GMBH. Contact QSS at licensing@qnx.com for additional contact information.
	Storyboard Suite	B	Crank Software Inc.	QSS, in reference image available at myQNX	This component islicensed on a limited scope basis for evaluation and prototyping purposes only. Any additional license rights must be obtained from Crank Software Inc. Contact QSS at licensing@qnx.com for additional contact information.
	Kanzi Engine	B	Rightware Oy	QSS, in reference image available at myQNX	This component is licensed on a limited scope basis for evaluation and prototyping purposes only. Any additional license rights must be obtained from Rightware Oy. Contact QSS at licensing@qnx.com for additional contact information.

4. Interpretation of Column References

The information provided in any row of a product description applies to all of its constituent components, unless otherwise expressly stated.

Column	Content Description
Version	Indicates the version number of the referenced product.
Part Number(s)	Indicates the QSS part number for the referenced product.
Code Provided	Indicates the form of software code provided. "**Source**" indicates that "source code is included", rather than "comprehensive source code for every element of the product is included". "**Object**" means code in binary form.
Support Provided	Indicates the level of support available for the referenced components. "**Full**" means support by QSS under its Standard, Priority and Custom Support Plans or other QSS enhanced support agreements. "**Custom**" means QSS will provide support, but only under the terms of its Custom Support Plan or other QSS enhanced support agreements. "**Limited**" means there are additional limits to the support provided by QSS under any Custom Support Plan or other QSS enhanced support agreements, indicated as follows: "**Limited (Source)**" means QSS will only provide support for the unmodified version of the source code, "**Limited (3rd Party)**" means QSS relies on third parties for support and therefore our ability to provide support will be limited to what those third parties have committed to provide, and "**Limited (Integration)**" means QSS will support issues relating to integration of a third party component with QNX but does not provide support for the integrated component itself. "**Unsupported**" means QSS does not provide support for the referenced component(s).
Type of Software	These terms are used in the QDLs and other QSS license agreements in risk allocation provisions relating to the associated technologies. "**Type I Software**" (also known as "Core Software") indicates Commercially Released Software, other than Type II or Type III Software (see your QDL for definitions of "Commercially Released Software"). It typically includes QSS proprietary code and may include some third party proprietary and open source code elements. "**Type II Software**" (also known as "Collateral Software") indicates Commercially Released Runtime Components identified as "Type II". It may include third party proprietary and some open source code elements. "**Type III Software**" or "**As Is Code**" (also known as "As Is Software") indicates Software that is licensed, or sublicensed by QSS strictly on an "as is" basis. It typically includes primarily Experimental, third party proprietary and/or open source code elements.
Engagement Model	See Section 3.1 for a detailed explanation of Engagement Models.
End User Licenses	Indicates the end user license terms or where to find such terms, including any flow-through terms referenced in the corresponding Third Party License Terms List ("TPLTL") which is published at http://licensing.qnx.com/document-archive/.

* Copies of the QSS QDLs and the TPLTL may also be obtained directly from QNX Software Systems Limited.

5. License Guide Details

5.1 Development Components

QPIC 1.0 may be made available to licensees through a variety of delivery methods. The following table describes the development components associated with QPIC 1.0.

The QNX Software Development Platform is a prerequisite for QPIC 1.0. To develop software with QPIC 1.0, QNX SDP 6.5 SP1 must be installed on the host computer, as well as the QNX Screen Graphics Subsystem For SDP 6.5 SP1 Product Update [Build 201705020857]. Please refer to http://licensing.qnx.com/document-archive/ for the most current License Guide details associated with QNX SDP 6.5 SP1 and QNX Screen Graphics Subsystem.

Version Number	Part Number(s)	Description	Code Provided	Support Provided	Type of Software	Engage-ment Model	End User Licenses
1.0	910475	Project access for QNX Platform for Instrument Clusters 1.0	Object	Full	Type I	A	QSS QDL

5.2 Runtime Components

The following tables identify Runtime Component technologies that are delivered as part of QPIC 1.0.

All Runtime Components are royalty bearing when distributed. Separate distribution licenses are required, as explained in Section 3. Contact an authorized QSS sales representative for more information on Runtime Components.

Version Number	Part Number(s)	Description	Code Provided	Support Provided	Type of Software	Engage- ment Model	End User Licenses
1.0	070200	**QNX Graphics for Safety** The runtime includes the QNX Screen Runtime Package and a graphics monitor subsystem to supervise the rendered results. Together Screen and the monitor are pre-certified to ISO 26262 ASIL B and IEC 61508 SIL 2	Object	Full	Type I	A	QSS QDL
		A. QNX Screen Runtime Package **NOTE:** the Screen runtime package is not delivered as part of QPIC, but through the QNX Screen Graphics Subsystem For SDP 6.5 SP1 Product Update [Build 201705020857]					
		B. QNX Graphics Monitor Subsystem The graphics monitor subsystem is a component that provides user the ability to measure the correctness of a rendered image (defined for specific areas of the display) through a set of tests against a pre-defined reference (specified as BMP files)					

6. Export/Import Information

QPIC 1.0 may not be exported, imported, used, transferred or re-exported except in compliance with the applicable laws and regulations of the relevant government authorities. Without limitation to the foregoing, QPIC 1.0 may not be used in the development, production, handling, maintenance, storage, detection, identification or dissemination of chemical, biological or nuclear weapons or their missile delivery systems, or materials or equipment that could be used in such weapons or their missile delivery systems, or resold or exported to anyone or any entity involved in such activity.

For additional information, please contact licensing@qnx.com.

7. Publication History

Version	Date Issued	Reason for Update
1.0	May 18, 2017	Initial document