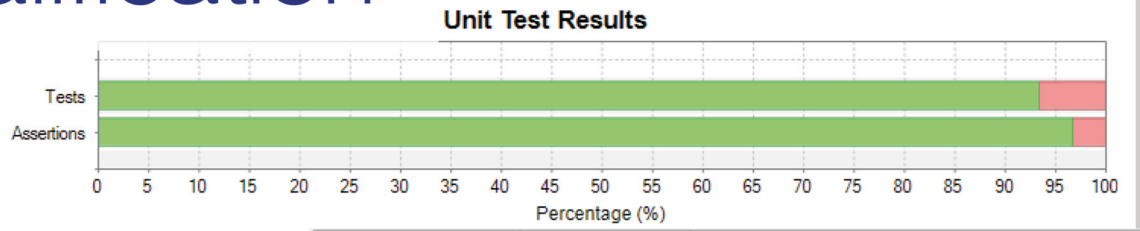


Qualification



Tests

Test Suites
Name
Rapita
mathematics.add_one
From zero
Positive add
Negative add
Check stubbing
Check overflow
Check underflow
mathematics.subtract_one

Magnitude

math_ada.xlsx.rvsprj/example.rvstest

Test Locals

Actions

Action	FromZero	BothPositive	FirstNegative	SecondNegative	Both
magnitude					
valuea	0	1	-2	3	-4
valueb	0	2	3	-4	-5
return	0	2	6	12	20



Safety through quality

ORDER INFORMATION

Rapi**Test** Tool Qualification for DO-178C

Order information: RapiTest Tool Qualification for DO-178C

Our Qualification Kits, along with our expert Qualified Target Integration Service, provide the resources and expertise you need to qualify RapiTest for use in DO-178C projects.

KEY TERMS

A **use** means: Providing Qualification Kit documents and deliverables from the Qualified Target Integration Service (if applicable) to a certification authority as part of a single submission (or resubmission requested by a certification authority) for certification of a single piece of equipment. Each resubmission to a certification authority due to new features being added or updates being made to the same equipment is a separate use.

A **configuration** means: The integration of a version of RapiCover into a specific development and target environment. We work with you to define your configuration during the delivery process. A detailed description of your configuration is documented in your Licensing Agreement.

Qualification Kits

You can purchase a Qualification Kit for RapiTest if you have a valid RapiTest license as well as an active support and maintenance contract. To purchase a Qualification Kit:

1. Choose a licensing model that works best for your organization or project.
2. Provide us with details about your configuration so that we can prepare and finalize your Licensing Agreement.
3. If required, add a Qualified Target Integration Service to your order (see next page).

Qualification Kit licensing models

We offer two off-the-shelf licensing models (as shown in Figure 1) for our RapiTest Qualification Kits.

A **Single Use** license lets you qualify a single version of RapiTest for a single submission.

A **Re-usable** license lets you use the Qualification Kit for a specific version of RapiTest in up to three submissions per year. We invoice you for an annual subscription fee each year.

We also offer customized **Product line** licenses to support larger scale deployments of RapiTest.

We work with you to choose the best licensing model for your organization or project.

Delivery process

When we receive your order, we ask you to provide details on the configuration you wish to use the Qualification Kit for. If required, a Rapita engineer will assist you with this.

We then invoice you for the appropriate one-time fee (see Table 1 on the next page for a list of product codes). We also provide early access to the latest version of the Qualification Kit for informational purposes. **Note:** You can use this version to familiarize yourself with the content; you can't use it to make a submission to a certification authority.

The information you provide us about your configuration forms the basis of the Licensing Agreement. Once this is finalized and signed, we provide you with the licensed version of the Qualification Kit, which you can then use according to the agreed terms.

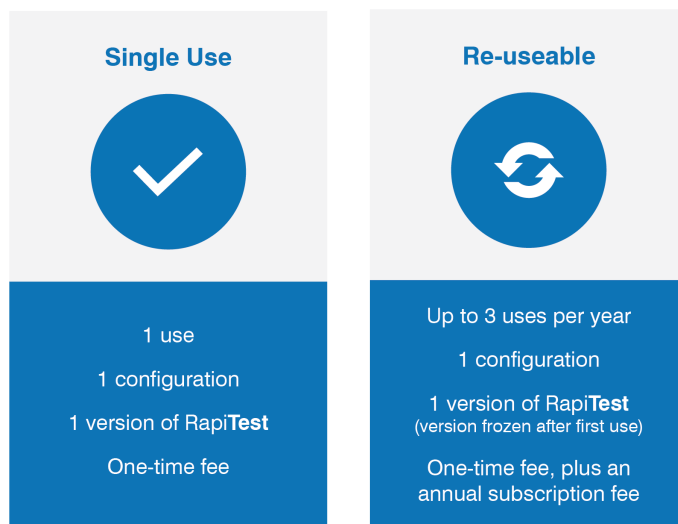


Figure 1: Qualification Kit licensing models

Qualified Target Integration Service

You can purchase a Qualified Target Integration Service for **a single configuration and use** of your licensed Qualification Kit. It is delivered as an engineering service, and includes the delivery of an Integration Qualification Report (IQR), on-site tests and expected results.

We can only provide a Qualified Target Integration Service if you have purchased a Qualification Kit for Rapi**Test**, and:

- We have integrated Rapi**Test** into your development and target environment via a Target Integration Service (TIS).
- The integration is stable, meaning there are no anticipated changes.

Delivery process

Figure 2 (right) shows a detailed overview of the Qualified Target Integration Service delivery process. In general, Qualified Target Integration Services are delivered remotely from our offices in York, UK, but can be provided on-site if required.

Your input on preliminary, interim and final versions of the deliverables is essential throughout the process to ensure that the service is delivered on time.

Timeframes

In general, a Qualified Target Integration Service takes around 6 weeks from the submission of a purchase order subject to any configuration changes, the availability of Rapita engineers and your availability and feedback during the process. We confirm the delivery schedule after we receive your purchase order.

Licensed materials

The deliverables of a Qualified Target Integration Service (the final IQR, on-site tests and expected results) are licensed for **one configuration** and **one use** only. Changes to the configuration of your integration during the service delivery process may affect engineering effort, delivery dates and costs.

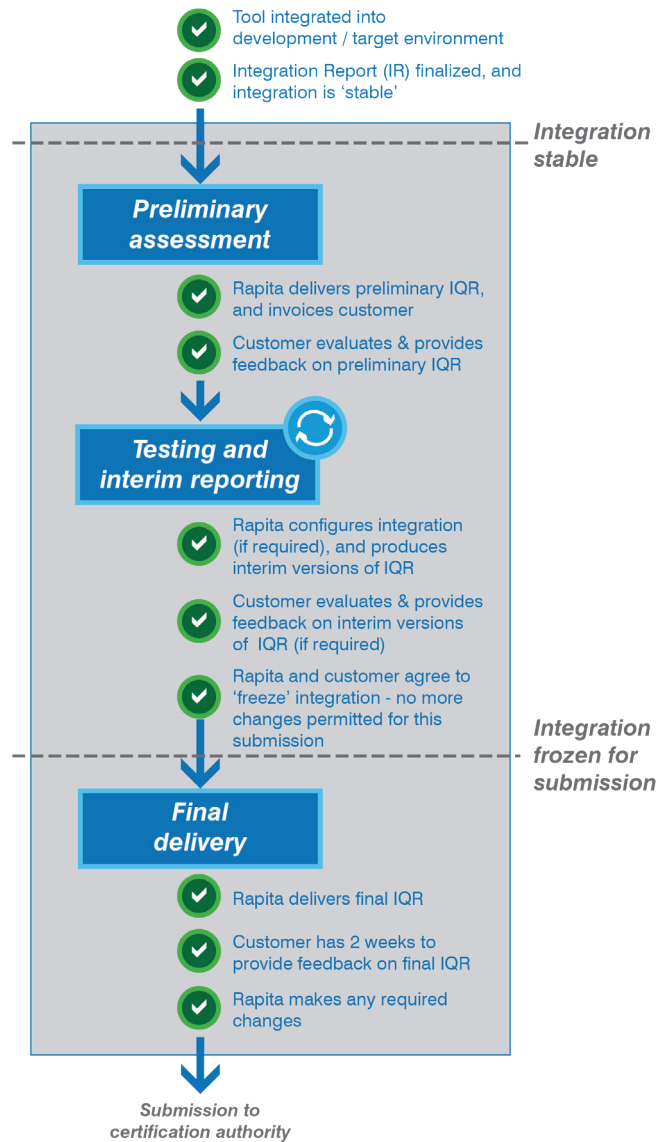


Figure 2. Qualified Target Integration Service – delivery process

Table 1. Rapi**Test** Qualification Kit product codes

Rapi Test Qualification Kits for DO-178C			Qualified Target Integration Service
<i>Licensing model</i>		<i>Product code</i>	<i>Product code</i>
Single use	One-time fee	QK-aero-RPF	ES-xx*-QTIS
Re-useable	One-time fee	QKR-aero-RPF	
	Annual subscription fee	QKRS-aero-RPF	

*xx indicates the region the engineering activities take place (RSI: Rapita Systems Inc. headquarters in the USA, RSL: Rapita Systems Ltd. headquarters in the UK, UK: United Kingdom, EU: Europe other than the UK, AM: America, AP: Asia Pacific).



About Rapita

Rapita Systems provides on-target software verification tools and services globally to the embedded aerospace and automotive electronics industries.

Our solutions help to increase software quality, deliver evidence to meet safety and certification objectives and reduce costs.

Find out more

A range of free high-quality materials are available at:
rapitasystems.com/downloads

SUPPORTING CUSTOMERS WITH:

Tools

Rapita **Verification Suite:**

Rapi**Test**

Rapi**Cover**

Rapi**Time**

Rapi**Task**

Engineering Services

V&V Services

Integration Services

Qualification

SW/HW Engineering

Compiler Verification

Multicore verification

MACH¹⁷⁸

Multicore Timing Solution

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