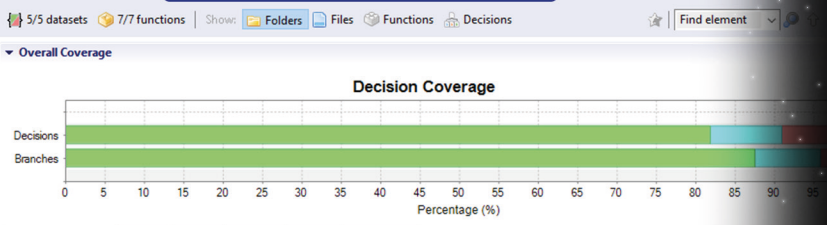




# Order Information Sheet



Name	Covered	Justified	Unknown	Required	Addressed %
Decisions	9	1	0	11	90.9%
Branches	21	2	0	24	95.8%

Directory/File	Location	Decisions					Addressed %
		Covered	Justified	Unknown	Required	Addressed %	
application.c	...application.c	9	1	0	11	90.9%	
busy_loop	application.c:179-183	1	0	0	1	100.0%	
count_set_bits	application.c:160-172	1	0	0	2	50.0%	
crc	application.c:117-126	1	0	0	1	100.0%	
message_receive	application.c:25-57	3	0	0	3	100.0%	
process_message	application.c:66-110	2	1	0	3	100.0%	
save_state	application.c:149-153	-	-	-	0	-	
send_message	application.c:133-142	1	0	0	1	100.0%	

msg\_handler\_c.rvd

Execution Time for Report: msg\_handler\_c.rvd

Root Summary

Function	Minimum	Average	High-Water	Maximum	Worst Case	#Tests
!s: message_receive	491	46,519	83,609	83,609	44,944	15



Safety through quality

## ORDER INFORMATION

RVS<sup>Space</sup> Product description, licensing and purchasing options

# Order information: RVS<sup>Space</sup>



Rapita **Verification Suite** Space (RVS<sup>Space</sup>) is a suite of software verification tools for space avionics software. A typical configuration of RVS<sup>Space</sup> includes RVS core and one or more plugins. These are described below:

- **RVS core:** Set of tools common to all RVS products. These tools have support for Ada, C and C++ compilers.
- **RapiTest:** Test management tool for generation and execution of system and unit tests on embedded targets.
- **RapiCover:** Low-overhead structural coverage analysis.
- **RapiCover<sup>Zero</sup>:** Structural coverage analysis directly from object code.
- **RapiTime:** Execution-time measurement and optimization.
- **RapiTime<sup>Zero</sup>:** Execution time analysis directly from object code.
- **RapiTask:** RTOS-independent visualization of scheduling and event-tracing on single or multi-core systems.
- **RapiTask<sup>Zero</sup>:** Visualization of event scheduling directly from object code.

When you buy RVS<sup>Space</sup>, you receive:

- Electronic access to download the latest version of RVS for your operating system from our Customer portal. Installers include your selected plugins and electronic copies of documentation.
- Electronic access to download the License Server for your operating system.
- Access to support and maintenance for a period of 12 months.
- A USB license key for license management (if required).
- Tutorials and resources for integrating RVS with your target and development environment.

## Integration service

To ensure a robust integration of RVS<sup>Space</sup> into your development environment, we can provide a Target Integration Service. We offer this separately from the RVS<sup>Space</sup> tools, as described in our [Target Integration Service Product brief](#).

## Licensing options

You can purchase RVS<sup>Space</sup> with either a **floating** or **node-locked** license:

- A **floating license** lets multiple people within an organization use RVS<sup>Space</sup> in a shared environment. Floating licenses follow an "Enterprise" model and can be used across geographical boundaries\* by different projects and users.

\*Some floating licenses may be restricted to use within a specific geographical region. Where this is the case, this is agreed before licenses are issued.

- A **node-locked license** lets you use RVS<sup>Space</sup> on a specific machine. A node-locked license can be shared between multiple people, but only one person can use it at a time. You can upgrade node-locked licenses to floating licenses for a fee.

Full terms of use for both license types are available in the *Rapita Systems Software License Agreement*.

For more detail on our software licensing options, see our [Software Licensing FAQ](#) or contact us at [info@rapitasystems.com](mailto:info@rapitasystems.com).

## Licensing duration

You can purchase RVS<sup>Space</sup> with either an **annual** or **perpetual** license.

- **Annual licenses** let you use RVS<sup>Space</sup> for a number of annual periods. This is useful for projects with shorter durations.
- **Perpetual licenses** let you use RVS<sup>Space</sup> indefinitely. This supports the use of RVS<sup>Space</sup> in projects with long life cycles.

You can convert an annual license to a perpetual license at any time while your license is active. Converting a license from annual to perpetual incurs a small fee, plus the purchase of at least a 1 year support and maintenance contract.

## Support and maintenance

We include a period of support and maintenance in the purchase price for all **RVS<sup>Space</sup>** products, providing you with:

- Access to downloads of the latest versions of our tools.
- Physical updates (CDs, manuals) of new major releases on request.
- Telephone and email access to our support team.

If you purchase **RVS<sup>Space</sup>** with a perpetual license, we include support and maintenance for the first year. After this, you can purchase a Rapita support and maintenance contract separately, covering another year or multiple years in advance. If your support and maintenance was discontinued and you want to renew it, you must purchase the service from the date it was discontinued.

If you purchase **RVS<sup>Space</sup>** with an annual license, we include support and maintenance for the full duration of the license period. Each time you renew your license, the support and maintenance period is extended.

As long as your license is covered by a support and maintenance contract, you can access the latest version of the tools, all bug fixes and the Rapita support team.

## Frozen version support

If you require it, we can arrange long-life support for a version of our products by freezing the version. We can come to an arrangement and customize our frozen version support package to meet your needs.

## Product codes

The product codes for our **RVS<sup>Space</sup>** products are shown in Table 1.

**Table 1.** **RVS<sup>Space</sup>** product codes

Product	License type	Product code		
		License duration		Support and maintenance
		Annual	Perpetual	
<b>RVS Core</b>	<b>Floating</b>	RVSc-space-F-A	RVSc-space-F-P	RVSc-space-F-S
<b>RapiTest</b>		RPF-space-F-A	RPF-space-F-P	RPF-space-F-S
<b>RapiCover</b>		RPC-space-F-A	RPC-space-F-P	RPC-space-F-S
<b>RapiCover<sup>Zero</sup></b>		RPCZ-space-F-A	RPCZ-space-F-P	RPCZ-space-F-S
<b>RapiTime</b>		RPT-space-F-A	RPT-space-F-P	RPT-space-F-S
<b>RapiTime<sup>Zero</sup></b>		RPTZ-space-F-A	RPTZ-space-F-P	RPTZ-space-F-S
<b>RapiTask</b>		RPZ-space-F-A	RPZ-space-F-P	RPZ-space-F-S
<b>RapiTask<sup>Zero</sup></b>		RPZZ-space-F-A	RPZZ-space-F-P	RPZZ-space-F-S
<b>RVS Core</b>	<b>Node-locked</b>	RVSc-space-N-A	RVSc-space-N-P	RVSc-space-N-S
<b>RapiTest</b>		RPF-space-N-A	RPF-space-N-P	RPF-space-N-S
<b>RapiCover</b>		RPC-space-N-A	RPC-space-N-P	RPC-space-N-S
<b>RapiCover<sup>Zero</sup></b>		RPCZ-space-N-A	RPCZ-space-N-P	RPCZ-space-N-S
<b>RapiTime</b>		RPT-space-N-A	RPT-space-N-P	RPT-space-N-S
<b>RapiTime<sup>Zero</sup></b>		RPCZ-space-N-A	RPCZ-space-N-P	RPCZ-space-N-S
<b>RapiTask</b>		RPZ-space-N-A	RPZ-space-N-P	RPZ-space-N-S
<b>RapiTask<sup>Zero</sup></b>		RPZZ-space-N-A	RPZZ-space-N-P	RPZZ-space-N-S



## 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](http://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

#### **MACH**<sup>178</sup>

Multicore Timing Solution

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