



Safety through quality

ORDER INFORMATION

Platform Support Packages product description,
licensing and purchasing options

Order information: Platform Support Packages

Platform Support Packages (PSPs) are applications needed to enable the analysis of executable code from a specific platform using zero-footprint **RVS** tools.

PSPs interface with various components of the platform to convert branch traces generated by the platform into a format that can be understood by zero-footprint **RVS** tools and disassemble object code. For more information on PSPs, see the Rapi**Cover**^{Zero}, Rapi**Time**^{Zero} or Rapi**Task**^{Zero} Product brief.

When you buy a PSP, you receive:

- Electronic access to download the latest version of the PSP for your operating system from our Customer portal. Installers include electronic copies of documentation.
- If you purchase a zero-footprint PSP at the same time as **RVS**, we may send a physical delivery of both pieces of software for your operating systems including printed copies of documentation.
- Access to support for a period of 12 months.

Licensing scope

Each PSP license is usable only for PSPs that are designed to support a specific platform. Each licensed PSP can support any number of zero-footprint **RVS** plugins that are running simultaneously, so long as these plugins are licensed to the same organization.

Licensing duration

PSPs are licensed with a perpetual license. This lets you use licensed PSPs indefinitely and supports the use of PSPs in projects with long life cycles.

Support

We offer support for PSPs. The level of support that we can offer is dictated by the access you can provide us to your platform. To be able to provide you with the best level of support, we will need access to your platform including:

- Any hardware on which software is executed
- Any hardware needed to collect traces (e.g. debuggers)
- Any software needed to generate and collect traces (compilers, RTOS, simulators, representative application software)

Our support provides you with telephone and email access to our support team. Support is available in the English language during UK and US (Eastern Time) office

hours Monday - Friday. We offer support outside these hours on a best effort basis.

Maintenance

Maintenance (for example to support small changes in the platform) is not offered as standard for PSPs, but may be available on request. For more information, contact info@rapitasystems.com.

Types of PSP

Three types of PSP are available:

- Standard – PSPs designed for compatibility with components (compilers, instruction sets, branch traces and RTOSs) commonly used in critical embedded software development.
- Advanced – PSPs designed for compatibility with components (compilers, instruction sets, branch traces and RTOSs) that are not frequently used in critical embedded software development but are not customer-specific components.
- Custom – PSPs designed for compatibility with customer-specific components (compilers, instruction sets, branch traces and RTOSs).

PSP development and delivery

Certain requirements are needed from a system for compatibility with zero-footprint **RVS** tracing. If these requirements are not met from a specific system, it is not possible to provide a PSP for that system. For detailed information on requirements for zero-footprint analysis, see our *Requirements for zero-footprint RVS analysis* Technical note.

As not all systems can be supported, the PSP development and delivery process includes a number of phases (Figure 1 on the next page).

The process begins with a Pre-order check to assess the viability of zero-footprint tracing on your system.

If a PSP compatible with the components in your platform is already available, this is delivered after the Pre-order check.

If no PSP compatible with the components in your platform is available, we next run a de-risking stage to confirm the viability of zero-footprint tracing after detailed investigation. If zero-footprint tracing is possible, we then develop and finally deliver the PSP.

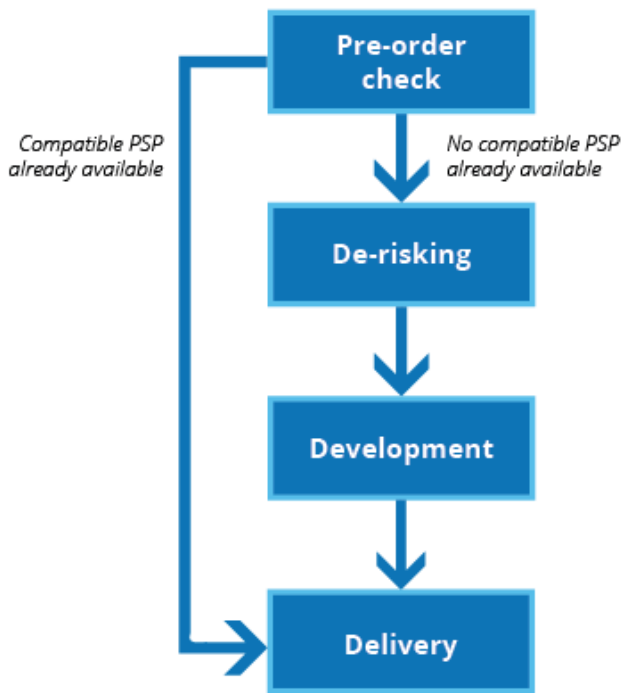


Figure 1. PSP Development and Delivery process

1. Pre-order check

Before accepting your order, our engineers review a completed integration questionnaire and sample trace and binary, which must be provided by you, to rule out the most common problems that may prevent us from developing a PSP.

This stage is always required before delivery of a PSP.

2. De-risking

Our engineers perform a detailed investigation into the feasibility of developing a PSP for your platform to confirm that it will be possible. If this is successful, then we provide estimates for how long it will take to develop the complete PSP.

If a PSP compatible with the components used is already available, this stage is not needed.

3. Development

Our engineers develop the PSP based on the initial samples provided. We deliver a preview version of the PSP to test out on your real application before delivering the completed PSP.

4. Delivery

When a PSP is available, we deliver it. PSPs are designed to be compatible with a specific version of **RVS**. You will be given access to your licensed PSP through access to the version of **RVS** it can be used with, which must be purchased separately.



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

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MACH¹⁷⁸

Multicore Timing Solution

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