

V&V Plus

The complete solution for affordable, stress-free safety certification

SCOPE

Critical Software covers specific V&V needs by offering customers a tailor-made service package that covers the full range of safety and V&V activities for safety-critical systems and software projects. The service provides customers with a range of options to satisfy all their unique V&V and safety project needs. This service package is supported by a team of experts specialising in safety and certification, with each expert fully-trained to deal with the impact of such activities on project performance.

This service covers the following areas: aerospace, space, defence, railway, automotive, industrial systems and medical devices.

KEY ACTIVITIES

The activities included in the V&V Plus range from planning and preliminary safety assessments to final system testing. This allows customers to select and tailor activities to their specific project needs.

Typical activities include:

- Certification support including liaising with the relevant certification agencies.
- Project planning to efficiently tackle safety and certification requirements.
- Safety analysis addressing system and software aspects.
- Requirements analysis, including reviews, changes and organisational improvements.
- Design reviews, including the integrity of partitioning for safety segregation.
- Source code reviews and HDL, including the production of required review evidence.
- Testing services (SW unit/module, SW integration, HDL design testing, system testing).

DELIVERABLES

The deliverables provided depend on the options selected and customer requirements. Supported life cycle elements include those required by: ARP-4754, ARP-4761, DO-178C, ISO-61508, EN-50126/8/9, ISO-26262, IEC-62304 and ISO-14971.



LOCATION
Worldwide



DURATION
Dependant on customer requirements



TEAM PROFILE
Safety experts / V&V team, dependent on customer requirements

Critical
software

ABOUT CRITICAL SOFTWARE

Critical Software provides systems and software services for safety, mission and business-critical applications. We work closely with our clients, helping them to meet the most demanding standards for performance and reliability.

We were founded in 1998, with NASA our very first client. Today, we work across many international industries and have offices across the globe.

criticalsoftware.com
info@criticalsoftware.com

We are CMMI Maturity Level 5 rated.
For a list of our certifications & standards visit our website.

