



Defensive Embedded C/C++ Software Development Training

T&VS provides software security services for connected electronics products. We specialize in helping you to get your trusted product to market faster and by providing security support throughout the lifetime of the product.

The Problem

Software is now a significant component required for electronics devices including set-top-boxes, automotive in-vehicle infotainment, WiFi routers and home gateways, smart meters, industrial systems and even domestic white goods.

The security of these devices, especially if they are “connected” into a network, depends heavily on the architecture and design of the system.

Insecure devices can result in **brand damage**, **financial liabilities**, expensive **product returns** and even **safety issues**.

How can we help?

We can support you by providing **hands on experience**, **time and cost effective**, **embedded secure C/C++ software development training**.

Who is the Course for?

Software developers and testers responsible for the implementation and testing of software security in embedded devices.

The Course

We offers an **efficient, intensive 2 day** fixed-price training course for up to 10 people that is conducted on your premises.

The course contains a mix of theory and practical sessions. Using an example program running on an embedded platform, it teaches each participant:

- Secure coding requirements
- Secure program design
- Common software attacks and mitigations
- Understanding and implementing cryptography

- How to avoid side-channel attacks
- Code review and static analysis
- Security testing
- How to retrofit security to existing products

The course can also be tailored to suit your particular hardware and software environment.



About T&VS

Test and Verification Solutions Ltd (T&VS) provides services and products to organisations developing complex products in the microelectronics and embedded software and systems industries. T&VS operates globally with offices in the UK, USA, France, Germany, India and Singapore and also operates through a network of international partners.