

TEMPEST TRAINING

Introduction

Secure Systems & Technologies Ltd (SST) is the leading European manufacturer of TEMPEST products. Operating from a purpose built CESG accredited UK Government approved facility in Gloucester (UK), with experience spanning three decades SST specialises in the design, manufacture and testing of TEMPEST solutions. Combined with expertise in training, off-site mobile platform testing, equipment installation, consultancy and programme management SST is uniquely positioned to support Government agencies on all aspects of TEMPEST and Information Assurance.

SST offers a number of comprehensive courses that can be tailored to meet customer's exact requirements:

- TEMPEST introduction and installation requirements
- TEMPEST Tester training for NATO SDIP requirements
- TEMPEST equipment Authorised Product Maintainer (APM) training

SST also offers a range of training courses on subjects including EMC, COMSEC and EMSEC. Training can take place at the SST purpose-built design, test and manufacturing facility located just 17km from CESG, the UK National TEMPEST Authority, or at a customer's location. Course dates and delegate numbers depend on the training and customer requirements. Some courses are subject to minimum NATO security clearances.

TEMPEST, an introduction and awareness day.

An introduction to the principals of TEMPEST and developing an awareness of issues.

This one day course includes: The Infosec model and deriving requirements, NATO SDIP Standards for equipment and installations, TEMPEST Versus EMC, typical systems, addressing vulnerability and control implementation, installation and equipment, and 'debunking' popular misconceptions.

TEMPEST introduction and installation requirements

An introduction to the principals of TEMPEST; NATO SDIP Standards for equipment testing and correct installation; an appreciation of mobile platform and installation testing.

Specifically the SDIP-29 standard (formerly AMSG 719G) titled "Installation of Electrical Equipment for the Processing of Classified Information" defines installation requirements, specifically with respect to equipment used, power supplies, grounding and cable distances.

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TEMPEST tester training for NATO SDIP requirements

As a developer and manufacturer of TEMPEST products, SST provides an unrivalled opportunity to experience the testing of a large range of TEMPEST product in development and production scenarios. This enables attendees to gain valuable experience of real-life TEMPEST issues rather than theoretical testing or a limited range of items. Please contact SST to discuss detailed requirements and enable us to tailor the course to levels of experience.

The fundamentals of TEMPEST testing course will cover:

- Test structure and organisation
- Qualification of Test Facility
- Test Instrumentation familiarisation and calibration
- Security aspects
- Test planning and reporting
- Testing fundamentals
- On-site testing principles
- NATO Standards – current and previous
- Zoning principles and application
- TEMPEST Production Assurance (TPAT)
- Analysis and reporting of results

TEMPEST equipment maintenance training

TEMPEST equipment from SST comes with an industry-leading lifetime TEMPEST warranty. The validity of the warranty is subject to any maintenance being carried out by an Authorised Product Maintainer (APM). In addition to comprehensive after sales support, SST offers training to allow customers to become an APM.

Courses are designed to provide authorised service personnel with the skills to correctly maintain TEMPEST-certified equipment and ensure that the TEMPEST integrity of the equipment shall not be brought into question in any way.

APM training therefore covers several aspects:

- the correct disassembly and re-assembly procedures of the TEMPEST equipment.
- the TEMPEST critical features particular to the equipment .
- the procedures to ensure equipment retains its TEMPEST certified state.

For more information on SST training, please [contact SST](#).