

TEMPEST Installation Design Course

TEMPEST is the name given to the unintentional emanation of compromising information from electronic equipment and systems. Secure Systems & Technologies Ltd (SST) operates a purpose built CESG accredited screened room testing facility in Gloucester (UK). With experience spanning three decades SST (www.sst.ws) is uniquely positioned to support your TEMPEST training needs.

Summary of Course Objectives:

To provide a basic understanding of fixed site and mobile installation design criteria, TEMPEST and related electromagnetic vulnerabilities, cost-effective countermeasures, practical problems encountered when applying design principles, copper and fibre usage, connection and isolation, in accordance with NATO Secan Doctrine and Information Publications (SDIP) standards.

Summary of Programme:

- Electromagnetic Security Overview
- TEMPEST and related phenomena
- TEMPEST description & demonstration of signals
- Risk in fixed and mobile installations
- Installation standards, principles and practice
- Earthing - overview of problems and solutions
- Cables and connectors - crosstalk and its control
- Electromagnetic waves and shielding
- Filters and isolators - performance and usage
- Optical techniques - TEMPEST implications
- Equipment and On-Site testing
- Fixed and mobile installation examples

Target Audience: Technical personnel who will be involved in the design or testing of TEMPEST installations. Essential for those performing on-site tests.

To be eligible to attend you must be:

- a UK citizen or citizen of a NATO member country
- employed by the UK or a NATO member Government, another UK or NATO member public body, or a UK or NATO member private sector organisation which has a contract, on which you are working, with a UK or NATO member Government department
- working in a role which requires you to have access to NATO TEMPEST policy standards

Attendance Prerequisites:

Minimum Security Clearance: SC or NATO Secret for nationals of NATO countries

Course details

Course Duration: 2 days
Places per Course: 10
Cost per Student: £2000 per student or enquire about per organisation rates
Dates: see master schedule
Venue: SST, Gloucester, UK

For more information on SST TEMPEST Training contact: +44 1452 371999 or [contact SST.](#)