

Secure Systems & Technologies (SST) designs, manufactures and tests TEMPEST, Rugged, Military EMC, Encryption and Communications Security equipment for Military and Government Organisations throughout NATO and Europe.

With a high percentage of engineers and TEMPEST industry specialists, including the UK's largest commercial TEMPEST test facility, SST has built an enviable reputation with Subject Matter Experts providing consultancy, training and testing services for TEMPEST and environmental certification and CESG endorsement support.



TEMPEST Design Authority and consultancy

SST can provide confidential consultancy throughout a TEMPEST project.

From writing TEMPEST control and test plans to Testing & Test reports we work closely with CESG to provide our customers with an efficient route to CESG approval. Particular value can be gained when we're engaged at an early stage in a programme for an appreciation of the TEMPEST issues.

Offsite TEMPEST Platform Testing

SST is certified by CESG to perform TEMPEST platform testing. With the benefit of many years platform testing experience SST either employ dedicated mobile test equipment on customer site or work conjunction with Trac (for EMC Testing) in the large shielded facility in Malvern.

Onsite TEMPEST Product Testing

SST TEMPEST and EMC Test Facility Personnel have many years experience performing acceptance testing on products and mobile platform installations. The CESG accredited SST TEMPEST Test Facility has five TEMPEST test cells and is staffed by some of the most experienced CESG trained Level 4 TEMPEST engineers in the UK.

SST will often work alongside equipment manufacturers to impart an appreciation of TEMPEST aspects during initial design stages. With a unique position in the UK, SST is a CESG accredited manufacturer of TEMPEST products as well as providing the testing and endorsement function and has a deep appreciation of the manufacturing process, often providing an initial assessment of TEMPEST performance to highlight areas of concern before formal testing commences.

TEMPEST Facility (Building) Testing and Installation

SST can assist when it comes to the requirements of TEMPEST Zoning (SDIP-28) and Installation (SDIP-29). SST can be involved from the initial discussion on whether TEMPEST should be taken into consideration, through Zoning Procedures, assessment of requirements, design of facility through to installation of services and equipment

In addition to SDIP-29 (Facility Design Criteria and Installation of Electrical Equipment for Processing Classified Information) SST includes the requirements of JSP440 and JSP480.

Training

SST offers a number of comprehensive courses that can be tailored to meet customer's exact requirements. Training can take place at the SST purpose-built design, test and manufacturing facility or at a customer's location.

TEMPEST, an introduction and awareness day.

A one day introduction to the principals of TEMPEST including: the Infosec model and deriving requirements, SDIP Standards, mandatory requirements of the Home Office Security Policy Framework (SPF), 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.

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 products in development and production scenarios and gain valuable experience of real-life issues.

Conclusion

Through Design, Quality, Service and Agility and expertise in consultancy, programme management, testing and training SST is uniquely positioned to support you on all aspects of TEMPEST and Information Assurance.