

TEMPEST standards overview

Secure Systems & Technologies Limited (SST) is a UK Company which specialises in the development and manufacture of electronic equipment for Military and Secure Government Organisations throughout NATO and Europe; including Ministries of Defence, Defence Prime Contractors, NATO bodies, Ministries of Foreign Affairs and other Government agencies.

The following standards are in use for the specification of TEMPEST equipment; the SDIP standards have replaced NATO AMSG standards. The following is provided for information only, please contact SST to discuss specific application requirements.

<i>Descriptive</i>	Full	Intermediate	Tactical / Basic	Military EMC
SDIP-27 NATO Standard	Level A	Level B	Level C	
NATO Laboratory test Standards	AMSG-720B	AMSG-788A	AMSG-784	
NATO Zoning Standards	ZONE 0	ZONE 1	ZONE 2	
USA NSTISSAM /1-92 Standards	LEVEL I	LEVEL II	LEVEL III	
SST Example Products	SC1000TF SC2800TF SN6700TF	SN230TI SC7800TI SS8270TI	SN790TT SP280TT SC700TTRE	SN790RM SL15RM

In addition to the above table the following standards are pertinent:

SDIP-27 replaces AMSG-720B / AMSG-788A / AMSG-784

(NATO TEMPEST requirements and Evaluation procedures)

SDIP-28 replaces AMSG-799 (NATO Zoning Procedures)

SDIP-29 replaces AMSG 719 (Facility Design Criteria and Installation of Electrical Equipment for Processing Classified Information)

SDIP-30 Installation of electronic equipment for processing of classified data

CAPABILITY

Gloucester, UK, based Secure Systems & Technologies (SST) designs and manufactures TEMPEST, EMC-rated, Rugged, Encryption and Communications Security equipment. SST also provides consultancy, testing/training services including TEMPEST and environmental certification.

With an In-house TEMPEST, EMC and Environmental testing capability as well as Prototyping, Manufacturing and Project Management facilities, SST can provide fast, reliable, turn-around times from design through to manufacture and installation.

SST's TEMPEST and EMC Test Facility Personnel have many years of experience performing formal EMC and TEMPEST testing to Military and UK Government Test Standards on both fixed installations and mobile platforms.

QUALITY AWARDS AND ACCREDITATION

SST is registered on the Defence Contractors List, No: 22839, and is a UK Government approved Secure Facility. Its personnel are security cleared to UK and NATO clearance levels. Other qualifications include:

- Quality EN ISO 9001:2000
- UK National TEMPEST Authority (CESG) Registered
- NATO Basic Ordering Agreement (BOA), no. 9092
- TEMPEST Test cells approved with CESG (Facility Qualification)
- Advanced Category 4 Approved TEMPEST Testers

GLOSSARY OF ACRONYMS

SDIP - SECAN Doctrine and Information Publication

SECAN - SECurity and Evaluation Agency MC 108/5

TEMPEST – Originally a codeword (hence capitalisation) since declassified; not as some may state 'TEMPorary Emanation and Spurious Transmission'

NSTISSAM - National Security Telecommunications and Information Systems Security Advisory Memorandum

AMSG – Allied Military Security Guide