Cyber Assurance Services

Your Information Assurance Partner



Advanced Programs, Inc. (API) offers a 15,000 square foot, state-of-the-art, TEMPEST, EMI and Shielding Effectiveness test services lab facility called the Cyber Assurance Services lab or API CAS. API CAS is a fully independent test lab. The facility features ten TEMPEST and EMI shielded enclosure test chambers, one of which is a fully anechoic EMI chamber. API CAS can provide certified personnel to meet the product development and compliance test needs for secure equipment manufacturers (OEMs) and system integrators. API CAS is a U.S. Govt. approved TEMPEST Test Services Facility. API CAS can support testing to the following standards:

TEMPEST Testing & Consulting

- NSTISSAM TEMPEST/1-92
- CNSSAM TEMPEST/01-02 NONSTOP
- CNSSAM TEMPEST/1-13 RED/BLACK Installation Guidance and Isolation Testing
- NATO SDIP 27/3 TEMPEST Testing

MIL-STD 461 Testing & Consulting

- Conducted Emissions: CE101, CE102, and CE106
- Conducted Susceptibility: CS101, CS103, CS104, CS106, CS114, CS115, CS116 and CS118 ESD
- Radiated Emissions: RE101, RE102 and RE103 (up to 40 GHz)
- Radiated Susceptibility: RS101 and RS103 (50 V/m up to 18 GHz, 200 V/m up to 18 Ghz).

Shielding Effectiveness, Material & Enclosure Testing

- IEEE-299 -Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures
- MIL-STD 285- Method of measuring the attenuation characteristics of electromagnetic shielding enclosures used for electronic test purposes
- ASTM-F3057-21 -Standard Test Method for Electromagnetic Shielding Effectiveness of Glazings (Lab Only)
- MIL-STD-220-Method of Isolation Loss Measurement
- Various Shielded Enclosure/SCIF Attenuation Test Standards (Field Testing)
- ICD/ICS 705 Evaluations

API has the credentials, means and personnel to support programs at all security levels. API CAS designed its new test facility to meet the challenging needs of clients who develop large complex systems. The CAS facility has convenient delivery, staging, storage, and lab access. Each test chamber area features an ante-room with walled and locked privacy and each has abundant power and space to accommodate small to large multi-rack test configurations. Shielded Anterooms are also available on three enclosures. Each chamber also has independent temperature control.



Our certified staff can create your test plan, offer design guidance, conduct prototype testing, perform formal qualification testing, develop test reports, make recommendations, and perform PDR and CDR production sample testing required in the latest government SERD. API can also perform project management throughout the compliance process to ensure a coordinated and timely completion.

Advanced Programs, Inc.

API has a combined resource of 16 certified TEMPEST Test Chambers, over 1000 pieces of test equipment, the largest pool of Certified TEMPEST Professionals (CTPs) in the industry, and extensive electrical and mechanical engineering resources averaging over 20 years of experience. API is the leading supplier of TEMPEST products and test services.

In support of the U.S and NATO Intelligence and Defense community, API, directly and in partnership with others, designs, builds, certifies and sustains trusted solutions that our clients rely upon for mission critical performance. Our corporate commitment to quality is evident in all phases of product development. From testing and manufacturing to program and lifecycle management, quality is our goal.

API also offers secure manufacturing and assembly for system integrators and manufacturers. TEMPEST, and mission customized systems have been our specialty for over 40 years. API produces over 20,000 TEMPEST and TSWG hardened products annually. Our cost-effective design, prototyping, testing and quality focused production has made API the leading global supplier of TEMPEST and cyber assured products.

Customers

U.S. Intelligence Community | Unified U.S. Military Commands
U.K. Intelligence Community | Canada, Australia, New Zealand
European | NATO member countries and Prime Contractors

Quality Assurance

ISO 9001:2015

Contact Us

To schedule a visit to API-CAS test facility or to simply learn more about our ability to assist call 410-312-5842 or e-mail apitestservices@advprograms.com.