

Ensuring Robust and Secure Communications for Modern Military Assets

In the rapidly evolving arena of military technology, the modernization of aircraft, ships, and cutters necessitates a comprehensive approach to ensure the security of communications. Each new asset introduced into the military fleet is equipped with interconnected systems and applications designed to provide unparalleled capabilities to operators. However, these advancements also introduce numerous opportunities for adversaries to compromise communications. To address this critical issue, meticulous planning and execution of **TEMPEST** instrumented surveys and inspections are indispensable. These measures are essential to safeguarding electronic emanations from these platforms effectively.

ISHPI has been at the forefront of providing **TEMPEST** support to the United States Coast Guard (USCG) since 2008. Working collaboratively with CG-9335 and the C5ISC Certified **TEMPEST** Technical Authority (CTTA), we have performed both Visual **TEMPEST** Inspections (VTI) and Instrumented **TEMPEST** Surveys (ITS). This includes significant work with The Naval Information Warfare Center (NIWC), offering **TEMPEST** services on the USCG National Security Cutters (NSC).

Comprehensive TEMPEST Services

ISHPI's comprehensive **TEMPEST** services, include Visual **TEMPEST** Inspections (VTI) and Instrumented **TEMPEST** Surveys (ITS). These are two of the most critical approaches to ensuring the security and integrity of communications systems. These methods are designed to identify vulnerabilities, assess risks, and ultimately safeguard against potential security breaches.

Our ITS are conducted by highly skilled professionals who hold the **NSA Certified TEMPEST Professional II (CTP II)** certification. This certification ensures that the individuals have extensive knowledge and expertise in **TEMPEST** standards and procedures, enabling them to perform comprehensive and accurate surveys. In addition to their formal education, the **Field TEMPEST Authorities** complete the **SPAWAR Shipboard Visual TEMPEST** Inspector training. This specialized course focuses on the unique challenges associated with conducting **TEMPEST** inspections in shipboard environments. The training equips inspectors with the necessary skills to perform detailed visual assessments and ensure compliance with **TEMPEST** standards. Together, the expertise of our CTP II certified professionals and the thorough training of our **Field TEMPEST Authorities** ensure that our ITS and VTI work is performed with the highest level of accuracy and reliability, safeguarding information systems against potential security threats.

Secure Communications Support

ISHPI's secure communications support for communication systems is a comprehensive and meticulous process that encompasses the creation, verification, validation, and maintenance of documentation. Adherence to the highest standards is an integral part of our approach, we align our practices with industry-leading frameworks and regulatory requirements, ensuring that our solutions meet the stringent demands of national security and defense. Our dedication to upholding high standards is reflected in the quality and reliability of the communication systems we support. By maintaining a culture of excellence and continuous improvement, we consistently deliver exceptional results for our clients'.

As we navigate the complexities of today's security landscape, our unwavering commitment to excellence and innovation drives us to continuously enhance and secure the communication capabilities of our clients, ensuring the safety and security of the nation.

Building on Our Success

The recent designation of our services by several prominent shipyards to perform VTIs on 41 **Arleigh Burke** class guided missile destroyers (DDGs) marks a significant milestone in our journey. This expansion not only showcases the growing demand for our expertise but also reaffirms the trust and confidence placed in our **TEMPEST** services. Our work with the United States Coast Guard (USCG) has laid a strong foundation, and this task underscores our leadership in the realm of secure communications.



The **Arleigh Burke** class guided missile destroyers represent an integral component of the United States Navy's surface fleet. These vessels are equipped with advanced weaponry and cutting-edge technology, making them formidable assets in maritime defense. Ensuring the security and integrity of their communication systems is paramount, and our assignment to conduct VTIs is a testament to our proficiency and reliability in this critical domain.

The Path Forward

As we embark on new task, we are committed to maintaining the highest standards of excellence and integrity. The VTIs on the **Arleigh Burke** class guided missile destroyers represented a significant opportunity for us to demonstrate our capabilities on a larger scale. Together, we will continue to fortify our nation's maritime defense and secure a safe and prosperous future.

