

WSTIAC

WSTIAC provides support in the following technical areas:

- Command & Control Systems
- Conventional Weapons
- Delivery Systems (aircraft, ships, guns, missiles, rockets, etc)
- Directed Energy Weapons
- Intelligence Gathering Systems
- Logistics
- Mines/Countermines
- Munitions/Ordnance
- Satellites
- Special Operation Forces
- Test & Evaluation
- Training
- Undersea Systems

The complexity of modern weapon systems is such that no one component or technology can be addressed in isolation. To assist DoD in overcoming this complexity, the Weapon Systems Technology IAC (WSTIAC) was established on September 29, 1999. WSTIAC is a single-point-of-contact for all information related to conventional and directed energy weapons, their development, production, fielding, and maintenance. Additionally, WSTIAC provides this function for the delivery systems, command and control, and all related enabling technologies and systems, such as the Global Positioning System (GPS), intelligence, targeting, etc. WSTIAC has absorbed the Guidance and Control IAC (GACIAC) and the special operations, test and evaluation, and tactical technology portions of the recently discontinued Defense Modeling Simulation & Tactical Technology IAC (DMSTTIAC) as well as technology areas not previously covered within the IAC program.

WSTIAC provides the DoD and user communities with timely and authoritative information relative to key R&D concepts, results, and trends; applications and processes; and assessment of international R&D technology. WSTIAC monitors and extracts related information, including but not limited to, the science, technology, and acquisition of conventional and directed energy weapon systems technology and related guid-

ance, intelligence gathering systems, training, analyses, databases, model repositories, laboratory studies, testing, hardware, components, systems, and subsystems. The systems and subsystems include, but are not limited to, aircraft, ships, satellites, guns, ordnance, missiles, rockets, bombs, submunitions, projectiles, mines/countermines, munitions-dispersing canisters, lasers and high power microwaves, intelligence gathering systems, guidance and control, command guidance communications links and undersea weapons.

Technical areas of interest include military systems and supporting equipment; instrument and seeker development and test; manufacturing process development; system and subsystem simulation; computational techniques and hardware development; control actuators and power sources; sensors for gathering and updating information; aerodynamic and reaction jet control devices; inertial components and system developments (GPS); guidance aided fuzing; energy management for navigation law profiles; special test equipment and techniques; theoretical performance computations; analytical test techniques; component design criteria; operational serviceability; maintenance and logistics equipment; training systems, and specialized RDT&E systems; models, simulations, and basic science and technology activities; environmental protection; and materials areas specifically related to



Weapon Systems Technology Information Analysis Center

conventional and directed energy weapon systems technology.

The functional areas covered include conventional and directed energy weapon systems technology in the following areas: battle area; threat; countermeasures/counter-countermeasures; guided weapon support systems; guided weapon systems; guided weapon subsystems; guided weapon components; global-theater system interactions; emerging technologies; and guided weapon RDT&E and life cycle support.

TATs & Products

TATs include the following primary areas of interest:

- Analysis of Manufacturing Processes for Conventional & Directed Energy Weapon Systems Developmental Technology Components
- Analytical Test Techniques
- Component Design Criteria
- Conventional & Directed Energy Weapon Systems Technology Components Analysis
- Design & Analysis of Computational Techniques, Databases & Software/Hardware
- Environmental Protection
- Instrument & Seeker Test Support
- Materials Applications Analysis Specifically related to Conventional & Directed Energy Weapons Systems Technology Components
- Military Systems & Supporting Equipment Development Analysis
- Operational Serviceability
- Phenomenology
- Special Test Equipment & Techniques
- Subsystems & Systems Simulation Modeling & Analysis
- Theoretical Performance Computations

Training Courses

WSTIAC develops, maintains and presents training courses on a cost recovery basis in order to transfer technology to the technical community with regard to conventional weapon systems technology. The well known three day Smart Weapons Technology Course previously presented by GACI-AC is continuing under WSTIAC.

Help Desk

WSTIAC offers information assistance to the users through the help desk. This activity supports information inquiries with multiple databases and information repositories as well as subject matter experts.

Technical Publications

WSTIAC keeps the user community abreast of weapon systems technology by publishing technical reports such as State-of-the-Art Reports (SOARs). These technical reports are carefully selected to meet the most pressing needs of the users.

Current Awareness

WSTIAC publishes a quarterly newsletter and maintains a Web site. An electronic copy of the newsletter is available on the WSTIAC Home Page. WSTIAC also conducts conferences, symposia, workshops and other meetings for the purposes of weapon systems technology information collection, analysis, and dissemination. In addition to sponsoring such meetings, WSTIAC is available to assist other organizations.

For a complete product listing, price, availability, and distribution limitations, contact WSTIAC or visit our Web site at <http://iac.dtic.mil/wstiac>

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