

## Smart/Precision Weapons Course

Instructors: Mr. Robert Fitzgibbon and Mr. Matt Tunstall, Alion Science and Technology

### **Course Description:**

This 2 1/2 day short course provides a general understanding of smart weapons and related technologies. This course is aimed at providing general knowledge about smart weapons technology and a source of current information on selected U.S. smart/precision weapons, to include system description, concept of employment, performance characteristics, effectiveness and program status.

A variety of ground, sea and air smart/precision weapon systems are discussed, to include fielded and/or developmental U.S. systems such as Joint Direct Attack Munition (JDAM), Joint Standoff Weapon (JSOW), Joint Air-to-Surface Standoff Missile (JASSM), Advanced Medium Range Air To Air Missile (AMRAAM), Sidewinder (AIM 9X), Javelin, Excalibur, Precision Guided Mortar Munition (PGMM), High Speed Anti-Radiation Missile (HARM), Tomahawk, Standoff Land Attack Missile – Expanded Response (SLAM-ER), Small Diameter Bomb (SDB), Cluster Bomb Munitions and Non Line of Sight – Launch Systems, among others..

The objective of this course is to inform materiel and combat developers, systems analysts, scientists, engineers, managers and business developers about smart/precision weapons, to include:

- U.S. and foreign smart/precision weapons systems;
- Employment concepts;
- Smart/precision weapons related systems, subsystems, and technologies; and
- Technology trends.

### **About the Instructors:**

Mr. Robert Fitzgibbon is a Principal Engineer with Alion and he has 27 years in system analysis and design. He has actively worked ECM, RF and RWR programs as well as hardware modernization efforts.

Mr. Matt Tunstall is a Senior Mechanical Engineer with Alion. He holds an M.S. in Mechanical Engineering from the University of Alabama in Huntsville. He has actively supported numerous weapons systems studies and served as a member of the Systems Engineering Integration Team (SEIT) for EAADS. He is the project manager and technical lead for WSTIAC's indirect fire smart munitions system effectiveness simulation, GENESIS.

### **Security Classification:**

The course is UNCLASSIFIED, but is designated for Official Use Only (FOUO), Export Controlled and attendance is limited to U.S. citizens only.

### **Handout Material:**

Each student will receive a comprehensive set of course notes covering the material presented.

For additional information, contact  
Ms. Mary Priore  
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**Notice:** WSTIAC reserves the right to cancel, change the course schedule, and/or instructor if required. In the event of a schedule change or cancellation, the customer will be immediately informed.