

# CHARTER FOR THE JOINT SERVICE ORGANIZATIONAL LEVEL AUTOMATIC TEST SYSTEMS (JOLATS) IPT

I. PURPOSE. The purpose of this charter is to describe the mission and functions of the Joint Service Organizational Level Automatic Test Systems (JOLATS) IPT and to define its relationship with the DoD Automatic Test Systems Management Board (AMB) and DoD ATS Executive Directorate (ED).

II. BACKGROUND. Maintenance of DoD combat systems is a critical activity, impacting readiness and sustainability of combat forces. According to the Office of the Deputy Under Secretary of Defense (Logistics and Material Readiness), more than \$63 billion is spent annually on maintenance and more than 678,000 military and civilian maintainers and several thousand commercial firms are involved. The DoD must maintain approximately 280 ships, 14,000 aircraft, 900 strategic missiles, and 330,000 ground combat and tactical vehicles.

The DoD and individual Services are focused on improving and transforming maintenance to meet the needs of the future force, and several initiatives have been put in place to that end. One initiative that has seen much emphasis is Condition Based Maintenance Plus (CBM+), which focuses on application of technology to help optimize scheduled maintenance and enable predictive maintenance of combat systems. Some of the enablers of CBM+ are enhanced diagnostics/prognostics, Interactive Electronic Technical Manuals (IETMs) and O-level ATS technology. Other initiatives focus on spares optimization, improved visibility into assets and their condition, and application of emerging commercial technology to DoD maintenance. Organizational Level maintenance enhancements will play a critical role in all these initiatives.

Meeting the needs of DoD maintenance initiatives will require advances in O-level ATS technology and improved interoperability across services. While it would be a challenge to define a single organizational level test set solution across a single service, let alone across DoD, there are many opportunities for DoD organizational level test set commonality in specific commodity areas. In addressing this, a recent Navy study recommended that the DoD AMB stand-up a joint service O-level Test Equipment IPT to identify common organizational level test requirements and opportunities for standardization across the Services and to steer the course for the next generation of O-level automated test equipment that will be fielded in 2010 and beyond.

III. MISSION. The mission of the JOLATS IPT is to serve as a technical and coordinating body under the DoD AMB on activities involving Organizational Level (O-level) Integrated Diagnostics and Automatic Test Systems (ATS) to demonstrate and advance technologies required to transform O-level maintenance to support current

OSD policies and initiatives. The JOLATS IPT will strive to achieve this mission through the following actions:

- Improving the Services' awareness of current OSD policies and initiatives such as CBM+ that aim to transform maintenance processes and practices where cost effective to increase the reliability, availability, and maintainability of weapon systems.
- Partnering with industry to demonstrate and advance technologies required to transform O-level maintenance to support current OSD policies and initiatives.
- Actively pursuing new joint opportunities for the advancement of Integrated Diagnostics at the O-level and to ensure that the selection, development and introduction of any new O-level ATS is compliant with the ATS Framework established under the Defense Information Technology Standards Repository (DISR) to achieve the following benefits:
  - Enhanced diagnostics through standard protocols to capture on-board Built-in-Test (BIT) information and improve the utilization of on-board BIT information across all levels of maintenance.
  - Reduced fault isolation times and increased diagnostic accuracy (reduced false alarms failures) through the implementation of at-platform smart diagnostics, intelligent diagnostic algorithms (reasoners), and prognostics.
  - Transportability of factory, depot, and intermediate maintenance level test programs to the O-level through implementation of open standards and modular architectures
  - Flexibility to utilize common O-level ATS across all Services, improving DoD's ability to effectively and efficiently conduct joint operations.
  - Reduction in the number of different types of equipment required to support weapon systems.
  - Reduction in the total number of support items in the DoD inventory.
  - Reduction in cycle time to field O-level support solutions for new requirements through improved instrument interchange, faster technology insertion, and a greater reliance on commercial products.
  - Cost savings due to shared R&D efforts, joint acquisition/contract, improved economies of scale, and common logistics support packages.

IV. RESPONSIBILITIES. Responsibilities of the JOLATS IPT are as follows:

- Collect and evaluate O-level support requirements across the Services.
- Identify common O-level ATS support and interoperability benchmarks across the Services.
- Identify and coordinate efforts to demonstrate technologies to advance common O-level ATS support and interoperability capabilities across the Services in support of current OSD policies and initiatives.
- Coordinate with all applicable DoD IPTs and Working Groups to define requirements and protocols necessary to collect, analyze, and distribute on-

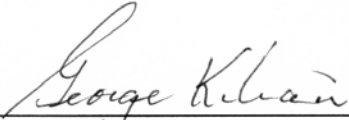
board Built-in-Test, and maintenance execution data to associated maintenance activities and Information Systems.

- Coordinate with all applicable DoD ED IPTs and Working Groups to define/update the ATS Framework as required to support O-level ATS applications that require DISR specifications or standards.
- Identify common challenges across the Services in the development and procurement of O-level Automatic Test Equipment.
- Provide recommendations to the DoD AMB on Joint Service candidates for joint acquisition opportunities for common O-level ATS projects.

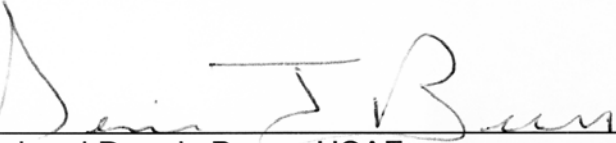
V. REQUIREMENTS. The JOLATS IPT will consist of one principal member from each Service and as many alternates as required. JOLATS IPT membership for each service will be as assigned by that Service's DoD AMB principal. The JOLATS IPT leader will be appointed by the DoD ATS ED. The JOLATS IPT will meet on a quarterly basis and as required to address specific tasks or work efforts as assigned by the DoD AMB and ATS ED. The JOLATS IPT leader will brief the DoD AMB on the status of current IPT efforts during scheduled AMB meetings.

VI. ADMINISTRATION. This JOLATS IPT charter will be effective upon signature by DoD AMB principals. The JOLATS IPT will review the charter annually for relevance and accuracy and update the charter as required, subject to DoD AMB approval. The JOLATS IPT, by vote from a majority of active members, will recommend to the DoD AMB either continuance or closure of IPT activities.

JOLATS IPT Charter Approved:  
(DoD AMB Principals)

  
\_\_\_\_\_  
Captain George Kilian, USN  
Director, DoD ATS Executive Directorate  
Chair, DoD ATS Management Board

3/13/06  
Date

  
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Colonel Dennis Beers, USAF  
Automatic Test Systems Product Group Manager  
Warner-Robins Air Logistics Center

3/13/06  
Date

*Steven W. Jinger*  
for Lieutenant Colonel Dwayne Morton, USA  
PM TMDE SFAE-CS-T  
Redstone Arsenal

13 Mar 06  
Date

*Charles T. Parton*  
Lieutenant Colonel Charles Parton, USMC  
PMM-161, TMDE <sup>^(SEL)</sup>  
Marine Corps Systems Command

13 MAR 06  
Date

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