

# Final 2010 ATC Report to the SED

# NDIA SE Division: 2010 Task Summary - Automatic Test Committee



2010 Tasks Planned	Status	Accomplishments (deliverables, etc.) - Comments
<b>Board Level Test</b>	<b>Complete</b>	<b>Committee Recommendation Letter, Report &amp; Support Data:</b> <ul style="list-style-type: none"> <li>• Identified potential application of existing standards to the various techniques used in board-level test (e.g. IEEE 1445)</li> <li>• Identified gaps in Bd-level test Spec/Standard coverage WRT Design-to-test, Transportability, and Leveraging test techniques</li> <li>• Recommendation; Gov't fund development of a Board-level test handbook that clarifies application of standards to the various test techniques; ATC would review &amp; comment the document</li> </ul>
<b>VHM Approaches Impact on ATE Study</b>	<b>Complete</b>	<b>Final Report and Supporting Data</b> <ul style="list-style-type: none"> <li>• Industry survey of weapon system programs that employ various vehicle health management techniques and automatic test</li> <li>• Identified limitations in VHM (Single-point-of-failure assumption, battle damage, areas not covered by BIT "wrap-around")</li> <li>• Conclusion – VHM has not eliminated the need for ATE; but it has reduced the quantity and complexity of ATE. Need both.</li> </ul>
<b>Methods and metrics for "diagnostic accuracy"</b>	<b>Ongoing</b>	<b>EHM-lead Project – ATC is supporting EHM</b>

# Automatic Test Committee - 2011 Task Plan

## Projects Working Group



### Proposed 2011 Tasks:

- **Review and Report on Test Architecture-related Standards and Approaches**  
- or - “Test Platforms Task”

### Deliverables/Products

- **Final report to include:**
  - Application & usage across test industry
  - Features (scalability, modularity, etc.)
  - Advantages/Weaknesses
  - Relative cost of implementation
  - Market trends... and more
- **Need for Workshop, etc. is TBD**

### Schedule / Resources

- **Plan to complete in CY11:**
  - Detailed milestones are TBD
  - Status/review at 4 regular ATC meetings:
    - March & June at NDIA HQ
    - September at Baltimore (AUTOTESTCON)
    - December with SED (TBD)
- **No resource issues or support anticipated**
  - Project will be staffed from ATC membership

### Stakeholders / Alignment

- **Stakeholder:**
  - DoD ATS Management Board (AMB)
- **Key Interfaces:**
  - Les Orlidge (Chair) & Bill Ross (ATC Liaison)
  - Scott Brown (Chair, ATC Projects) & Bill Ross
- **Task Objective:**
  - A comprehensive report that the services can use as a reference when developing solutions to weapon system automatic test requirements

# Proposed New Process for Selecting John Slattery Award Nominees

# John Slattery Award

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**The Award recognizes an individual who best characterizes John Slattery's contributions to our industry, including:**

- Outstanding Technical Achievements.
- Demonstrated Technical Innovation.
- Contributions to ATE Technology.
- Participation in ATE Industry Peer Groups.
- Enthusiasm and Eagerness to Offer and Provide Mentoring.
- Uncompromised ethics and professionalism.
- Industry contributions that reflect technical zeal, competence, and integrity.
- An unswerving desire to achieve technical excellence regardless of political or management considerations.

**Nominations are open to all engineers in the Automatic Test community and are invited for consideration against the above criteria.**

# Proposed New Slattery Award Nomination Process for 2011

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- 1. Formation of a new “Slattery Award Nominations Committee” comprised of the Members-At-Large**
  - Committee will be responsible for all activities involved in the preparation of the Ballot for Selection of the 2011 John Slattery Award Winner, including:
    1. Nominating and/or collecting nominations from NDIA members
    2. Collecting/Organizing supporting documentation (letters of recommendation, biographies/resumes, etc.
    3. Vetting the candidates against the selection criteria
    4. Make final recommendations to the ATC Chair by 1 June
  - ATC Chair will take the recommendations of the Committee, together with the ballot package, and conduct the Ballot
  
- 2. The Committee should appoint a Lead NLT 31 January**
  
- 3. 2011 will be the Pilot for this new process. If successful, will propose adoption for selection of future nominees**