
Keynote Executive Panel

An Industry Executive Test & Maintenance Perspective

MIKE ELLIS

Technical Program Chair

e-mail: mtellis@aol.com

Introduction

- **Panel consists of four Industry Executives, all of whom are recognized experts in their field**
- **And me!**
- **Mike Ellis**
 - Bio – Retired, Old, Out-Of-Work
 - Over forty years in ATE/Test Technology and Management
 - Currently unofficially representing AARP
- **This conference is for and by Practitioners, which now excludes me**
- **But lack of participation and current expertise is unlikely to stop me expressing an opinion.**
- **Caveat - That opinion *may possibly* be interesting, but its probably not important**

View From the Bleachers

- **Test continues to evolve and change**
 - More emphasis on Software and Firmware (FPGAs)
 - Closer ties between military and commercial test equipment and methods
 - Ever-decreasing budgets in the military arena

Increased Software Emphasis

- **Probably more than half of your system's functionality comes from software**
- **Software testing is still largely ignored in the military maintenance test arena**
- **More military aircraft are using commercial airfields across the world and will probably be subjected to FAA DO-178/DO-254 testing**
- **Software can affect test**
 - **Design For Testability Requirements – Possible Wednesday DFT Panel/Audience discussions**
 - **Software Impact on performance and testing –**
 - ◆ Major system losses from software failures (ARIANNE 5, V-22 Osprey, etc.)
 - ◆ VW MPG data skew
 - **For more attend Software and Simulation Testing Session tomorrow**

Copyright

Michael T. Ellis

Closer Commercial/Military Ties

- **A trend for many years now driven by:**
 - Faster, Better, Cheaper, Lighter
 - Tightening of military purse-strings
 - Increased COTS reliability under MIL-STD environmental conditions
 - Need for test technology to stay abreast of prime systems technology needs - Significantly faster time-to-market for new technology
 - Increasing O-to-OEM Maintenance
- **Military use of commercial facilities**
- **For more – Visit the Exhibits floor and attend tomorrow’s Instrumentation Panel**

A Message from Our Sponsors

- **If the previous charts look like not-so-subtle plugs for this conference, color-me-guilty**
- **So let's get on with the Panel and learn from the real experts**
- **The panel will consist of four presentations followed by Q and A**

Keynote Executive Panel - An Industry Executive Test and Maintenance Perspective

- ***“The Future of Test and Maintenance is Distributed. What are the Consequences?”*** - Dr. Fred Blönnigen
CEO Bustec
- ***" The Future Direction of Test, Maintenance and Instrumentation – A Supplier’s Perspective "*** - Michael Dewey, Director of Marketing, Marvin Test Solutions
- ***”ATE Trends Circa 2016”*** - David J. Salisbury, Director, Business Development, Northrop Grumman Electronic Systems
- ***"The Future of Advanced ATS Sustainment"***
- Christopher Geiger, Technical Director, Integrated Test and Logistics, Lockheed Martin

Copyright

Michael T. Ellis
