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 that 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
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