



### Conference Guide

The next action chit working JSWAG is scheduled for April 20-22 in Lexington Park, Md. This is an invitation only meeting. Please contact your committee lead if interested in attending.

This year, a special edition JSWAG will take place at Robins AFB, Ga. This event will be held specifically to offer a training opportunity focusing on wiring systems. Keep checking the JSWAG Web site for more informtaion.

In order to reduce travel funding issues at the beginning of the fiscal year, the main JSWAG is being changed from fall to spring. The next full-service JSWAG event is being held in March 2011 in Virginia Beach, Va.

The 2010 Aircraft Airworthiness & Sustainment Conference (formerly the Aging Aircraft Conference) is being held at the Austin Convention Center/Hilton in Austin, Texas May 10-13. For more information visit [www.airworthiness2010.com](http://www.airworthiness2010.com).

For more information on any of these announcements, visit [www.navair.navy.mil/jswag](http://www.navair.navy.mil/jswag).

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## New wiring tools for maintainers

The JSWAG team strives to keep you informed of the newest and best processes and tools in maintaining wiring and fiber optic systems. Information concerning these tools can be found below and in the Joint Service General Wiring Maintenance Manual (NA 01-1A-505-1, T.O. 1-1A-14, TM 1-1500-323-24-1). Additional technical details and specifics are available from the Aircraft Wiring Support Equipment Commodity ([www.navair.navy.mil/lakehurst/nlweb/AWSEC](http://www.navair.navy.mil/lakehurst/nlweb/AWSEC)) or the Naval Inventory Control Point ([www.navsup.navy.mil/navsup/ourteam/navicp](http://www.navsup.navy.mil/navsup/ourteam/navicp)). For assistance e-mail [jswag@navy.mil](mailto:jswag@navy.mil).

### BRADY TLS2200 THERMAL LABEL PRINTER



The TLS2200 is a thermal transfer printer weighing in at just under three pounds (2.75 lb.) and replaces the obsolete LS2000. The TLS2200 (NSN: 7025-01-499-4333) can handle a wide range of applications as it can use than 300 label types and sizes. Both continuous (tubular) and wrap-around labels may be employed. Brady touts the label maker's speed and battery life as it is capable of making 100 to 500 labels per day.

### DIGITAL MULTI-METER (DMM) FLUKE 27

The trusty DMM (Fluke model no: 27) has become obsolete and is replaced by an improved DMM (Fluke 27II). The upgraded DMM offers similar functions, with improved range and accuracy along with a backlit panel.



**see Tools, page 2**

# Tools from page 1

## TYCO MINIRAY IR-1759 HEATGUN

The infrared heat gun, IR-1759, has been approved for flight line/flight deck operations. Both plug-in and battery pack options have passed required testing and are available for use on fueled or unfueled aircraft. The tool is portable and is ideally suited for environmental splices, solder sleeve, coax splice and Cee-wrap installations. It is unaffected by ambient temperatures, wind, or rain since it uses light as the medium. The short duty cycle allows for over 150 installations per battery charge. Not for use with heat shrink tubing, as it overheats it and can cause burn spots on heat shrink material of all colors.



## AUTOMATIC WIRE TEST SET (AWTS)



The AWTS has completed Preliminary Design Review and Critical Design Review and has successfully completed Techeval. PMA-260 has authorized its full-rate production. Fielding of the first units is scheduled between 2010 and 2011 with the first production units to be delivered to the Air Force in August 2010, and the first Navy units expected in November. The AWTS analyzes the integrity of aircraft wiring harnesses by checking for opens and shorts, determining distance to faults, performing insulation-resistance and dielectric strength tests. This new wiring diagnostic capability requires a specialized Test Program Set (TPS) designed to interface with the item under test. The Navy has OK'd AWTS for I and D levels whereas the Air Force is allowing it to be used at O, I and D levels of maintenance.

## MOHR CT100 TDR CABLE TESTER

The Mohr CT100 is scheduled to replace the Tektronix-1502 TDR for shop level metallic applications. The CT100 is capable of 75 micron cursor resolution, 16-bit digital sampling, handling up to 500 waveforms a second and has 2 GB of storage. The CT100 has versatile connectivity options such as USB and Ethernet ports. The CT100 is available through a NAVICP contract.

