

Highlights

- Where to find discontinued Standards
- Latest Releases, Tips, and Advice
- NEW Test Manager 5.0 Updates

NORTHROP GRUMMAN
Electronic Systems

The SureCAL[®] Circle

The Newsletter of
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The SureCAL Circle Continues

A Network of Calibration Labs Sharing the Latest Information in Metrology

Can't live with them, Can't live without them, Can't even buy them anymore.

Aging Calibration Standards are getting hard to live with. Calibration without them is difficult if not impossible. The OEM stops manufacturing them and eventually stops supporting them. Chances are you've cannibalized a few units just to keep the critical ones up and going. RF components become unavailable. Eventually supply and support slips into the world of third party manufacturers, searching the Internet, even eBay, to keep critical standards in service in the CAL LAB.

The Labs here at Northrop Grumman have the same dilemma as any CAL LAB anywhere. Here are some helpful contacts:

To get replacements for HP 11049A, 11050A and 11051A thermal converters, you can contact:

C.P.D. Engineering (formerly Holt Instrument Labs)

126 Mott Street

Oconto, WI 54153

1-(920) 834-2222

or

Ballantine Laboratories, Inc.

www.balantinelabs.com

To get most kinds of RF and Microwave filters, contact:

K&L Microwave

www.klmicrowave.com

To get most kinds of precision microwave adapters, shorts, loads, etc., contact:

Maury Microwave

www.maurymw.com

To get replacements for General Radio Variacs, contact:

ISE Inc.

www.variac.com

HP 8116A function generators can be replaced with Fluke (formerly Wavetek) 81 function generators.

Fluke Corp.

www.fluke.com

To replace:

Tektronix CG5011 and SG5030

Oscilloscope Calibrators,

Weinschel System II Power Sensor

Calibrators, plus

Weinschel VM7 Receivers,

ESI Resistance and AC Ratio Standards,

contact:

Tegam

www.tegam.com

TEST MANAGER 5.0 Updates

- Operators are now allowed to archive data from an incomplete or failing calibration.
- Reprinting of damaged or missing Recall Stickers can now be done from archived data.
- When entering a file path for printing or exporting data to a file, or when logging loop test data to a file, it is no longer necessary to put the "\" character at the end of the pathname.

- UUT Information transferred in from Norfox LabMate can now be edited. This is useful for procedures that are applicable to a large number of different models.

As always, we urge you to contact SureCAL Customer Support at surecal@northropgrumman.com or call 1-800-913-3773 for more information.

NEW SureCAL PROCEDURES

- Harrison Lab 881A Power Supply
- HP-Agilent 8664A Synthesizer
- HP-Agilent 4338A Milliohmeter
- HP-Agilent 4338B Milliohmeter
- HP-Agilent E3611A Power Supply
- HP-Agilent 16534A Oscilloscope Module
- Keithley 169 DMM
- Power Designs 5005R Power Supply
- Tegam SG5050 Leveled Sine Wave Generator
- Tektronix TX1 DMM, Handheld
- Tektronix TX3 DMM, Handheld
- Tektronix TDS680C Oscilloscope

SureCAL at MSC 2003

SureCAL invites you to visit our booth at Measurement Science Conference 2003 in Anaheim, CA, January 16 & 17. You can meet our Metrologists, **Bob Kilgore** and **Bernie McDermott**, plus the Management team **Gary Jennings** and **Rich Appel** at booth 97 to the left of the exhibit hall entrance.