

## **(head) MIL-STD-461F: An Update**

The article *An Update on MIL-STD-461F*, which was published in the January issue of *Conformity*, discussed the newest revision to this forty year-old standard. Here are a few more details regarding the revision that were not included in the original article. (The editors would like to thank Ken Javor, the author of the article, for providing this additional information.)

### **Release Date and How to Acquire Standard**

The release date of the standard is 10 December 2007. Readers can download a copy of the standard:

<http://assist.daps.dla.mil/quicksearch/>

and by typing MIL-STD-461F into the “Document ID” field.

### **Conducted Susceptibility, Damped Sinusoidal Transients, CS116**

The requirement is no longer applicable to an unpowered test sample.

### **Radiated Emissions Electric Field, RE102**

Since MIL-STD-462D, a measurement system integrity check has been required prior to making emissions measurements. A slight change has been made to the procedure of paragraph 5.17.3.4.c.3. This is the instruction for using a 10 pF series capacitor between signal source and antenna base rod receptacle. Use of commercial injection networks different from that shown in Figure RE102-8 are no longer allowed. Figure RE102-8 is new in this standard, showing how to inject using a 10 pF blocking capacitor.

### **Radiated Susceptibility Magnetic Field, RS101**

MIL-STD-462D and MIL-STD-461E both allowed susceptibility sweep speeds up to three times faster than specified in Table III of the standard. Under MIL-STD-461F, RS101 testing must be performed per Table III sweep speeds, essentially tripling the amount of time for this test.