

**IEEE 1451.4 Standard Working Group
Telephone Meeting, November 3, 2005
Meeting Minutes, issued Nov 4, 05, approved Nov 8, 2005**

Chair: T. Licht

Secretary : P. Hufnagel

Attendance, Nov 3:

Jorgen Baekke, G.R.A.S. Sound and Vibration, JB@gras.dk

Garritt Foote, National Instrument, Garritt.Foote@ni.com

Fernando Genkuong, VIP Sensors, FGenkuong@vipsensors.com

Ed Herceg, Macro Sensors, EEH@macrosensors.com

Paul Hufnagel, Kistler, Paul.Hufnagel@kistler.com

Charles Jones, Edwards AFB, Charles.Jones@edwards.af.mil

Torben Licht, B&K, TRLicht@bksv.com

David Potter, National Instrument, David.Potter@ni.com

- 1) Agenda
 - a) Discuss changes to Paragraph 7.4.7.2, Unit Definition, proposed for addition to the Corrigendum.
 - b) Approval of the minutes from September 15, October 13 and October 28, 2005.
- 2) Review of the changes to Paragraph 7.4.7.2, Unit Definition, as proposed by G. Foote and edited by T. Licht:
 - a) Several questions posed on the notation used in the expressions contained in the Table 1, Enumeration Field.
 - 1) The form, " $\log_{10}(U/U)$ ", might be better expressed as, " $\log_{10}(U_2/U_1)$ ", expressing a relative difference between values. Following discussion and recognizing that the present style may have been used in numerous places in the Standard, consensus is to retain the original format, " $\log_{10}(U/U)$ ".
 - 2) The form, " $\log_{10}(U/U_0)$ " is universally recognized as a comparison to a specific reference, yielding an absolute value.
 - 3) The form, " \log_{10}^{-1} ", is subject to two interpretations, "antilog" and "reciprocal of the log". The proper form is " $1/\log_{10}$ ", or, "reciprocal of the log". **The units definitions and summary table will be edited by T. Licht.**
 - b) The verbose expressions contained in the explanatory text are in the notation used by NIST, however the form "Value/New Unit" is felt to be confusing in that it implies division. The consensus is to change these to the form "Value[New Unit]". The edit has been done on the screen, by T. Licht.
 - c) Minor changes of a typographical nature were done on screen, during the discussion.
 - d) The unit " $N\cdot m\cdot rad^{-1}$ " (spring torque) is not included in the units definitions, but the units " $ft\cdot lbf$ " and " $in\cdot lbf$ " will be included.
 - e) **D. Potter will complete editing to the Corrigendum as agreed upon at previous meetings and T. Licht will add the Units definitions paragraph. The completed Corrigendum will be distributed to the Group, for comments, on November 7. Forwarding to the IEEE to follow as soon as possible afterward.**
- 3) Minutes:
 - a) Minutes approved from Sept. 15, Oct. 13 and Oct. 28.
- 4) Next Meeting:
 - a) Next meeting will be Tuesday, Nov 8, 2005, at 3:00pm EST.
 - b) Meeting adjourned: 3:24pm EST.