

SURVEY OF DOE LABS: “Measurement Uncertainty Analysis” (2001)

NOTE: This survey was prepared and conducted by a working group of the DOE Topical Committee on Metrology.

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SURVEY RESULTS

1. Metrology areas covered by or for your laboratory or program

Electrical	15
Physical	17
Radiation	15
Chemical	9
Other 1) Magnetic measurements survey & alignment	
2) Statistical support	

2. How is the metrology service provided?

In-house	18
Outside source	13
Other 1) We don't make any measurements but own policy orders that require measurements.	

3. Number of Metrology personnel

0 - 10	10
11-20	2
Greater than 21	9
Unknown	0

4. Metrology issues and/or areas of concern

Lack of adequate standards	9
Certification of standards	7
Outsourcing of calibration	12
Audits	9
Other 1) WFO restrictions.	
2) Standards development	
3) Cost of calibration to customers	
4) Reduced funding - while expecting same capability and service	

- 5) Funding/organization
- 6) Maintaining a viable calibration program when budgets are reduced.
- 7) Traceability/Laboratory accreditation.

5. Expectations from this DOE-wide Meeting on Metrology

Coordination	21
Resource Sharing	20
Accreditation	6
Requirements uniformity	18
Other 1) Education	
2) Raise the visibility of metrology at DOE facilities.	

6. DOE program/activity that you support

- 1) Multi-program
- 2 ER & WM
- 3) Nuclear safeguards. (I work in policy development for materials control and accountability.)
- 4) All.
- 5) Risk management KAO/SNL. (I work w/SNL but I am not in a position to accurately answer the questionnaire.)
- 6) Weapons & Yucca Mountain.
- 7) EM-ER Quality Assurance activities; National Security; Air Chemistry; Global Monitoring for radioactivity.
- 8) Safeguards - OSS.
- 9) W76 Neutron Generator, AT400A Container & multiple SNL programs. We need a point of contact for calibration people throughout the DOE complex.
- 10) Energy research.
- 11) Yucca Mountain site characterization.
- 12) Various.
- 13) Weapons production.
- 14) ER, DP, EH, EM
- 15) ER, DP, EH, EM
- 16) WR/EM mission.

- 17) Measurement services to Sandia and other national labs and DOE contractors.
- 18) Technical Standards Program.