

COMMERCIAL-GRADE CALIBRATION SERVICES

NUPIC Meeting
October 2005

October 4, 2005

Commercial-Grade Calibration Services



Scope of Alternative

- Commercial-grade suppliers of calibration services.
- Alternative method for qualifying suppliers in lieu of supplier audit, commercial-grade survey, or in-process surveillance
- Arizona Public Services – Bases of NRC approval documented in the safety evaluation.



Accreditation Boards

- NVLAP (National Voluntary Laboratory Accreditation Program)
 - Administered by the National Institute of Science and Technology
- A2LA (American Association for Laboratory Accreditation)
 - Non-governmental, public-service society founded in 1978



ILAC

(International Laboratory Accreditation Cooperation)

- ILAC is an international cooperation between the various laboratory accreditation schemes operated throughout the world.
- ILAC was formalized as a cooperation in 1996 when 44 national bodies signed a Memorandum of Understanding (MOU) in Amsterdam.
- This MOU provided the basis for the further development of the Cooperation and the eventual establishment of a multilateral recognition agreement between ILAC member bodies.
- NVLAP and A2LA are ILAC signatory members.



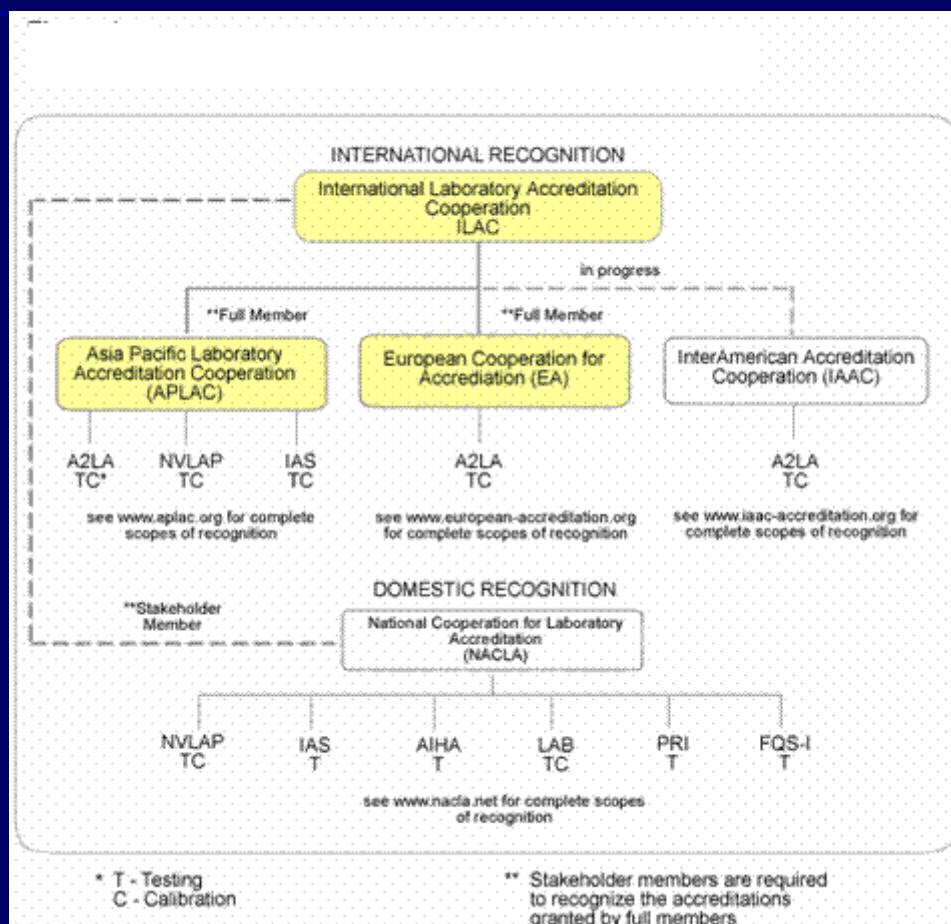
ILAC Mutual Recognition Arrangement

- World-Wide Mutual Recognition Arrangement (MRA)
 - Objective: Recognition of the equivalency of member accreditation bodies by all signatory bodies thru the MRA.
 - Accreditation programs of signatory bodies are evaluated/reevaluated by recognized Regional Cooperation Members.
 - ILAC Mutual Recognition Arrangement: “Requirements for Evaluation of Accreditation Bodies,” ILAC-P1:2003



U.S. Accreditation Bodies

International and Domestic Recognition



October 4, 2005

Commercial-Grade Calibration Services



Implementing the Alternative

- Delegation of commercial-grade services controlled through procurement documents and purchasing requirements.
- Alternate provisions for qualifying the supplier to be clearly established and delineated in the quality assurance program.
- The methods and criteria for evaluating and selecting suppliers would be based on ISO/IEC 17025, as implemented by the approved accreditation bodies (NVLAP, A2LA).
- Licensees responsible for verifying:
 - Commercial-grade supplier's accreditation
 - Scope of accreditation covers the needed measurement parameters, ranges, and uncertainties



National Institute
of Standards and Technology



National Voluntary
Laboratory Accreditation Program

ISO/IEC 17025:1999
ISO 9002:1994

Scope of Accreditation



Page 1 of 12

CALIBRATION LABORATORIES

NVLAP LAB CODE 105014-0

SOUTHERN CALIFORNIA EDISON COMPANY

7300 Denwick Lane
Westminster, CA 92683

Mr. Jack Burdick

Phone: 714-895-0422 Fax: 714-895-0686

E-Mail: burdickj@sce.com

URL: <http://www.sce.com/metrology.com>

NVLAP Code: 20/A01

ANSI/NCSL Z540-1-1994; Part 1

Compliant

DIMENSIONAL

NVLAP Code: 20/D33

Gage Blocks

Nominal Length, in.

Best Uncertainty ($\pm$) in $\mu\text{in.}^{95\%}$

0.0005 to 0.04000

2.8

>0.04000 to 0.25000

2.5

>0.25000 to 1.0000

2.6

2.0000

2.9

3.0000

3.1

4.0000

3.3

5.0000

3.6

6.0000

3.9

March 21, 2005

Effective through:

For the National Institute of Standards and Technology



Comments?

October 4, 2005

Commercial-Grade Calibration Services

