

This is the monthly newsletter of the LANL Engineering Standards Program. The Standards are mandatory documents that define the minimum design criteria, fabrication, and installation practices for the alteration, repair, and construction of LANL facilities and the programmatic and process equipment within them. [P341]

Topics this month:

- **Appendix I for Construction Subcontracts**
- **Calibration and Standards**
- **LANL Standards Issued in March**
- **DOE Technical Standards Actions**

The Standards Homepage: <http://engstandards.lanl.gov/>

### **APPENDIX I FOR CONSTRUCTION SUBCONTRACTS**

Acquisition Services Management (ASM) Division is introducing a new exhibit for construction subcontracts soon. Exhibit I, Subcontractor Submittal Requirements, will be the pro forma (boilerplate-like) document for communicating the requirements for submittal transmittal to LANL and any required follow-up action following LANL review. Exhibit I consolidates requirements that were throughout the pro forma including what's in LANL Master Specification Section [01 3300](#), Submittal Procedures.

An interesting feature of Exhibit I is its Attachment B, Subcontractor Submittal Requirements Summary. This combines multiple submittal lists including the list that is attached to Section 01 3300. The Att B version online now is more example than template for the technical deliverables in Exhibit D, and will most likely be revised to include all of the submittals required by all of the LANL Master Specifications; the project's design agency would then delete submittals for spec sections that aren't being employed and add for sections they create.

To avoid overlap and conflict, new construction subcontract project RFPs should use Exhibit I, but then modify 01 3300 PART I to simply point to Exhibit I by stating "For submittal procedures follow the Subcontract's Exhibit I, Subcontractor Submittal Requirements" so all the other spec sections don't have to be changed in this respect.

Yet to be decided is whether to have one 01 3300 for subcontracting and another for direct-hire (self-perform) projects, whether the latter will use Exhibit I, etc.

Exhibit I and Attachments A & B are currently available from the ASM SharePoint [site](#) under "Section: Other." With time it may be moved to "Section: Exhibit I" and/or pointers added under Quick Links.

- Exhibit I, Requirements and Procedures for Subcontractor's Submittal of Information (Rev. 0, 2/23/09)
- Exhibit I, Attachment A, Subcontractor Transmittal / Status Sheet (Rev. 0, 2/23/09)
- Exhibit I, Attachment B, Subcontractor Submittal Requirements Summary (Rev. 0, 2/23/09)

## **CALIBRATION AND STANDARDS**

Reading only these monthly Updates, one might conclude that engineering standards are the only kind of standard there is, or at least that matter most, and I wouldn't argue. But this month, Tom Bargeloh, Deputy Division Leader in QA and Standards and Calibration Laboratory Manager, submitted the following article on another important kind of standard – those used for portable and installed instrument calibration:

To assure the control, calibration, handling, and storage of measuring and test equipment (M&TE) labwide, Laboratory Policy P330-2, *Calibration and Control of Measuring and Test Equipment*, was issued in May of 2008 and became effective at the first of this year, 2009.

The Standards and Calibration Laboratory (S&CL), part of the institutional Quality Assurance Division, is responsible for assuring that the LANL M&TE program is compliant to requirements, implemented throughout the laboratory, and that the calibrations are performed to approved procedures. The intent of P330-2 is to ensure that critical tools and equipment meet DOE and NNSA certification and quality requirements.

Organizations with M&TE are required to identify all such equipment and determine the appropriate category (I, II, III) that applies to each piece of M&TE. Equipment requiring calibration based on this categorization must be calibrated in accordance with P330-2, and all required documentation completed.

This function is key for safety, security, weapons development, weapons manufacturing and science. The S&CL, located in SM-39, is a first class calibration organization serving the Laboratory. It ensures the accuracy and precision of measurement systems used throughout the Laboratory, provides excellent source of information for new equipment purchases, and provides required documentation of these functions. System Engineers and others with M&TE equipment (portable or installed) can contact Ron [Karpen](#), S&CL Customer Liaison, for calibration program assistance at 5-9604 or the S&CL main number, 5-4703.

## **LANL STANDARDS ISSUED IN MARCH**

### **Engineering Standards Manual**

Chapter 17, Pressure Safety, initial issue.

This was discussed in some detail last month. Section I, Program Requirements, is available [here](#) along with Section D20-B31.3-G, the B31.3 piping guide formerly in the Mechanical Chapter. Follow-on actions related to this are cancelation of Notice RN0803 and revision of a couple of O&M Criterion and P101-34 (the former pressure LIR).

**LANL Master Specifications**

33 6300 Steam Energy Distribution, Rev. 3. Updates and clarifications for material as well as updates to pipe types.

**DOE TECHNICAL STANDARDS ACTIONS**

New or Revised DOE [Tech Stds](#) this past month:

[DOE-HDBK-1122-2009](#), Radiological Control Technician Training (HTML Table of pdf Contents)

**LAST MONTH'S UPDATE TOPICS**

Miss an issue? The archive is at "[Monthly Update](#)" on the Standards [homepage](#). Last month's Update topics were:

- **2009 I-Codes – Just Say No**
- **Pressure Safety Assistance**
- **LANL Standards Issued in February**
- **DOE Technical Standards Actions**

To request a change to this newsletter's distribution, please contact me.

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