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**Electrical Chapter Section D5000 in Review (Programmatic & Facility)**  
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**Standards Issued during the Past Month (Programmatic & Facility)**  
**ASME BPVC 2004 (Boiler Code) Available Now from IHS**

The Standards Homepage: <http://www.lanl.gov/f6stds/pubf6stds/xternhome.html>

**Electrical Chapter Section D5000 in Review (Programmatic & Facility)**

Following review by the Electrical Technical Committee, a draft of Ch. 7, D5000, R2 General Electrical Requirements has been webposted for Labwide review by January 3. Major changes are noted in the document. It can be accessed via the "Documents in Review link" in the ESM area of the Standards Homepage.

**Electrical Chapter Training Dec 8 (Programmatic & Facility)**

LANL Electrical Engineering Standards Course 17998: Dec 8, 8-4 pm at White Rock. Register with PS-13 at 7-0059 or [esh-registration@lanl.gov](mailto:esh-registration@lanl.gov), or at

[http://eshtraining.lanl.gov/pls/gencouraxs/Cour\\_By\\_Number?CourseNumber=17998](http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=17998)

**STANDARDS ISSUED DURING THE PAST MONTH (Programmatic & Facility)**

**LANL ENGINEERING STANDARDS MANUAL**

**Chapter 13, Welding (Programmatic & Facility)**

Moved Welder Database over to the public web domain to support subcontractor access.

<http://www.lanl.gov/orgs/fwo/weld/>

**LANL DRAFTING MANUAL (Facility)**

Individual symbol library updated for General & Civil.

**LANL CONSTRUCTION SPECIFICATIONS (Facility)**

01560, Rev2 Compliance Requirements

02270 Slope Protection -- canceled, use 01560

02512, R6 Site Water Distribution

02551, R5 Natural Gas Distribution

07710, R1 Manufactured Roof Specialties

15141[02516], R7 Disinfection of Potable Water Piping

16130, R3 Raceways and Boxes

16442, R0 Panelboards (replaces 16470)

History website: <http://www.lanl.gov/f6stds/pubf6stds/conspec/htmls/cshistory.htm#top>

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**ASME BPVC 2004 (Boiler Code) Now Available from IHS via Specs & Standards**

Per IHS:

"The 2004 ASME Boiler and Pressure Vessel Code (BPVC), including PDFs and cross-reference information, has been released and has an effective date of 3/31/05. The BPVC establishes rules of safety governing the design, fabrication, and inspection of boilers and pressure vessels, and nuclear power plant components during construction.

"There are two NEW sections to the BPVC with the 2004 release: Section II: Part D, metric version and Section XII. Section II is a service book to other Code Sections, providing tables of design stress values, tensile and yield strength values, and tables and charts of material properties. Part D facilitates ready identification of specific materials to specific Sections of the Boiler and Pressure Vessel Code. Part D contains appendices which contain criteria for establishing allowable stress, the bases for establishing external pressure charts, and information required for approval of new materials.

"Section XII covers requirements for construction and continued service of pressure vessels for the transportation of dangerous goods via highway, rail, air or water at pressures from full vacuum to 3,000 psig and volumes greater than 120 gallons. "Construction" is an all-inclusive term comprising materials, design, fabrication, examination, inspection, testing, certification, and over-pressure protection.

"Continued service" is an all-inclusive term referring to inspection, testing, repair, alteration, and recertification of a transport tank that has been in service. This section also contains modal appendices containing requirements for vessels used in specific transport modes and service applications. Rules pertaining to the use of the T Code symbol stamp are also included."

IHS has also changed how the BPVC is accessed. It used to be a separate link from the Research Library's IHS lead-in page <http://lib-www.lanl.gov/infores/stand/ihs/index.htm>. Now, it's accessed by the Specs & Standards link at the top as all other standards are. Once in S&S, click the Quick Searches pull-down in the upper left and select Table of Contents.

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Previous issues of this monthly Standards Update are available beginning in 2004. Click the "What's NEW in Stds: Monthly Update" link near the upper right on the Standards homepage:  
<http://www.lanl.gov/f6stds/pubf6stds/xternhome.html>

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Tobin Oruch, Eng Standards Mgr, Los Alamos Nat'l Lab--ENG Div, Ch Eng Offc  
Mailstop M702 (505) 665-8475 fax 5-1723  
[oruch@lanl.gov](mailto:oruch@lanl.gov)