
**Electrical Chapter Sections in Review Programmatic & Facility
Standards Issued during the Past Month (Programmatic & Facility)**

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

Electrical Chapter Sections in Review (Programmatic & Facility)

Following review by the Electrical Technical Committee, a draft of Ch. 7, Section D5010, R1, Electrical Service and Distribution, has been webposted for Labwide review by Jan 21. Major changes are noted below and in the document. It can be accessed via the "Documents in Review link" in the ESM area of the Standards Homepage.

Section D5000 General remains open for comment until Jan 3.

D5010 proposed changes: Stated that utility distribution system components will typically be furnished and installed by the LANL SSS. Added installation requirements for indoor medium-voltage transformers. Updated references to LANL Specifications. Deleted requirement for isolated ground power for office building PC loads. Added provisions for sub-metering. Revised surge protection requirements. Changed basis for using draw-out circuit breakers to NIOSH lift calculation. Added requirement for space for future equipment additions in electrical rooms/spaces. Added zone-selective interlocking requirements. Added requirement for lower impedance dry-type transformers to serve high-harmonic loads. Added ground cable enclosed in the concrete envelope for the underground electrical service conduit(s) as a grounding electrode for renovations. Added 5-year payback criteria for replacing feeders with excessive voltage drop.

STANDARDS ISSUED DURING THE PAST MONTH (Programmatic & Facility)

LANL ENGINEERING STANDARDS MANUAL

Chapter 13, Welding (Programmatic & Facility)

Added checklist for welding documents required in IWD packages as a reference under Vol 1 GWS 1-03

LANL CONSTRUCTION SPECIFICATIONS (Facility)

02538, R5 Sanitary Sewer System. Added plastic pipe cautions at 2.2E and 3.4; slope at 3.4B, horizontal instructions at 3.6

09510, R2 Suspended Acoustic Ceilings. Clarified always non-fire rated assembly; 3.2 deleted ASTM C636 in lieu of E580; 3.4 clarified recycling

15992, R6 Testing Piping Systems. Added pneumatic testing submittals & barricading.

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

HAPPY HOLIDAYS!

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:

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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