

Engineering Standards Update
Topics this month: August 2004

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STANDARDS ISSUED (Programmatic & Facility), including new **LANL Welding Program!!**
SWAGELOK TRAINING REQUIRED (Programmatic & Facility)
IHS Online National Standards Update

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

STANDARDS ISSUED (Programmatic & Facility)

Chapter 1 General (programmatic and facility)

Section 210 r2, System Lists, with Attachment

Section 230, r4, Component Nomenclature with new App and Att 1-3

Chapter 3 Civil, r1 -- Complete revision, all sections

Chapter 4, Architectural, r2 -- Complete revision, all sections

Chapter 13, Welding, r0 -- **All new program, applies to all work by or for LANL, programmatic and facility**

SWAGELOK TRAINING REQUIRED (Programmatic & Facility)

Training on the installation of Swagelok and similar compression fittings has been required for many applications since a 2000 incident. This requirement is now in the ESM Mechanical Chapter 6 and LANL Specifications Section 15215. Section 15215 states:

Installers of compression fittings shall be one-time trained on their assembly by the manufacturer or an authorized distributor, or through a formal LANL course for the following applications:

- safety significant (SS), safety class (SC), and vital safety systems (VSS),
- nuclear/radiological (glove boxes, wash downs, CAMs, etc.),
- toxic systems, such as those contributing to a high or moderate facility categorization (e.g., beryllium),
- intermediate and high pressure systems (defined here as 150 psi gas/1500 psi liquid and 3000 psi gas/5000 psi liquid max allowable operating pressures, respectively).

Acceptable Courses:

PS-13 Course 30831, Compression Fitting Assembly (future; approx 90 minutes at White Rock)

Course 19676, (approx 90 minutes at TA-60, taught through and largely for the SSS (KSL) by Albuquerque Valve and Fitting Co as needed; contact: Ronnie Tupin)

Swagelok Safety Seminar (approx 4 hours, taught by Albuquerque Valve and Fitting at their facility near the airport, Brad Crowson (505) 842-0213 or info@albuquerque.swagelok.com)

FWO Course EDS 20718, which was taught in the 2001-2003 timeframe by Bill Radzinski

Course 30831 is completing development and will be taught this fall; a **wait list** is available online. Per PS-13, to attend you must take the prerequisite Course 769, Pressure Safety Orientation.

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IHS Online National Standards Update LANL subscribes to the most needed national codes and standards via the Research Library's IHS service. For FY05, the Library plans to drop the **EIA/TIA** (telecom) society standards, so users of these may wish to download any they expect to need in the immediate future now. Also for FY05, they plan to add the **American Society of Safety Engineers**. Please send comments to library@lanl.gov. The IHS service is available to LANL from the "Universe" link on the Engineering Standards Homepage.

On a related note, the Library has also purchased a single standard from the Laser Institute of America. ANSI Z136.1-2000, **Safe Use of Lasers**, is located behind the firewall at <http://lib-www.lanl.gov/infores/stand/standard.htm>

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

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