

**North Carolina Department of Labor  
Occupational Safety and Health Division**

**Raleigh, NC**

Field Information System

Standards Notice 70A

**Subject:** Foot Protection in Construction

**A. Standards.**

1. **29 CFR 1926.96 – Occupational Foot Protection.** Safety toe footwear for employees shall meet the requirements and specifications in American National Standards for Men's Safety-Toe Footwear, Z41.1-1967.
2. **ANSI Z41.1 – Protective Footwear.**
3. **ASTM F2412-05 – Standard Test Methods for Foot Protection.**
4. **ASTM F2413-05 – Standard Specification for Performance Requirements for Foot Protection.**

**B. Discussion.**

The current OSHA and NCDOL, OSH Division standard for foot protection in construction (29 CFR 1926.96) requires employers to assure that employees are wearing safety footwear which is designed to meet the American National Standard Z41.1 (1967).

In 2005, two new ASTM International standards, F 2412, Test Methods for Foot Protection, and F 2413, Specification for Performance Requirements for Protective Footwear, replaced the former ANSI Z41.1 standard, Standard for Personal Protection Protective Footwear, which has now been withdrawn.

In an ASTM press release issued in 2005, ASTM stated in part:

“The new ASTM standards contain minimal changes from the withdrawn ANSI Z41.1-1999 standard with regard to test methodology. The major performance characteristics that have changed from the old ANSI standard to the new ASTM standard are the removal of those for Type II Static Dissipative and Class 30 for impact and compression requirements. Therefore, the majority of existing industry inventory of product and product-information that is labeled or advertised as in compliance with the ANSI Z41.1-1999 standard should be compliant with the new ASTM standards.

“Since the ANSI Z41.1-1999 standard has been formally withdrawn, all new footwear, not including those already in inventory, found in compliance with the new protective footwear standards ASTM F 2412-05 and ASTM F 2413-05 may be labeled as such. References to the old ANSI Z41.1-1999 may be replaced with labeling indicating that the footwear is compliant with the new ASTM standards for new product.”

The OSH Division is aware that new safety footwear is currently being marketed as compliant with ASTM F2413-05 (which references the test methods found in ASTM F2412-05).

SN 70A cont'd.

C. **Interpretation.**

Because ANSI Z41.1 no longer exists and new safety footwear is being tested and designed to comply with the new ASTM standards, the OSH Division will consider safety footwear which is labeled as meeting the requirements of the new ASTM standards as equivalent to the ANSI Z41.1 standards.

D. **Effective Date.**

Standards Notice 70 is cancelled. This Standards Notice is effective on the date of signature. It will remain in effect until revised or canceled by the director.

Signed on Original  
Susan Haritos  
Health Standards Officer

Signed on Original  
Allen McNeely  
Director

5/27/2011  
Date of Signature