

From: Gary.Coleman@us.ul.com

Sent: Monday, March 24, 2008 5:45 PM

To: Costello, Mindy

Subject: Re: [fef] Groups - FE Task Group on FEF- UL input on "clearances"

Hello Mindy,

I attached the following comments to the attendance roster for tomorrow's meeting:

Regarding clearances, we have been able to determine that, at this time, there are no adopted UL requirements for forearms or the whole arm.

There is an ANSI standard for brush / branch grinders that has a very simple representation of an adult arm and the number is thought to be ANSI B71.6, however, I haven't verified that.

UL has referenced anthropometric data in development of requirements for accessibility thru large openings in refrigerators and vacuums, including work such as that published at the following site (<http://ovrt.nist.gov/projects/anthrokids/>). While that data is oriented toward children, it includes data on individuals up to age 18 and arguably could work for adults. The key consideration is reach versus breadth. Females have shorter (less reach) but thinner (less breadth and therefore potentially deeper penetration) arms; males tend to be the opposite.

Thanks --- Gary