

**INTERPRETATION IC 90.1-2013-1 OF
ANSI/ASHRAE/IES STANDARD 90.1-2013
Energy Standard for Buildings Except Low-Rise Residential Buildings**

Date Approved: October 18, 2013

Request from: SSPC 90.1 Envelope Subcommittee

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IES Standard 90.1-2013, Section 5.5.4.6, Exception 5, relating to a definition for sidelighting effective aperture.

Background: Exception 5 to Section 5.5.4.6 includes the term “sidelighting effective aperture”. This term was defined in ASHRAE/IES Standard 90.1-2010 and further modified by Addendum ds-2007, but the definition does not appear in Standard 90.1-2013.

Interpretation: When using Exception 5 to Section 5.5.4.6, the correct definition for “sidelighting effective aperture” reads as follows:

sidelighting effective aperture: relationship of daylight transmitted through vertical fenestration to the *primary sidelighted area*. The *sidelighting effective aperture* is calculated according to the following formula:

$$\text{Sidelighting Effective Aperture} = \frac{\sum \text{Vertical Fenestration Area} \times \text{Vertical Fenestration VT}}{\text{Primary Sidelighted Area}}$$

where window VT is the *visible transmittance* of windows as determined in accordance with Section 5.8.2.6.

Question: Is this interpretation correct?

Answer: Yes.