

**INTERPRETATION IC 62-1999-20 OF
ANSI/ASHRAE STANDARD 62-1999
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY**

TRANSFER TO 62-1999 APPROVED: August 14, 2000

Originally issued as interpretation of Standard 62-1989 (IC 62-1989-12) on December 9, 1993, but transferred to Standard 62-1999. Since no changes were made to the relevant sections of Standard 62-1999, no revisions were made to the interpretation as part of this transfer.

Request from: Donald C. Herrmann, Creighton & Associates, Inc., 611 East Broward Boulevard, Suite 207, Fort Lauderdale, Florida 33301

Reference. This request pertains to the requirements given in ASHRAE Standard ANSI/ASHRAE 62-1989 including Addendum 62a-1990, paragraph 6.1.3.4.

Background. Paragraph 6.1.3.4 reads as follows:

"Where peak occupancies of less than three hours duration occur, the outdoor air flow rate may be determined on the basis of average occupancy for buildings for the duration of operation of the system, provided the average occupancy used is not less than one-half the maximum."

Case 1. Creighton & Associates has established the following two possible interpretations for complying with 6.1.3.4

1-A (Creighton & Associates interpretation). The system designer may use an average occupancy value when determining the required outdoor air flow for variable occupancies to prevent over ventilating, providing it is not less than one-half the maximum listed in table 2 or one-half the anticipated peak occupancy load as referenced in 6.1.3.4.

1-B (Alternative interpretation). The system designer may use an average occupancy value when determining the required outdoor air flow for variable occupancies to prevent over ventilating, providing it is not less than one-half the maximum listed in table 2.

Creighton & Associates believes that Interpretation No. 1a above expresses the intent of Standard 62-1989.

Question 1. Is interpretation No. 1-A correct?

Answer 1. Yes

Case 2. Creighton & Associates has established the following two possible interpretations to define "peak occupancies of less than three hours duration."

2-A (Creighton & Associates interpretation). The term "peak occupancies" allows more than one peak period of less than three hours duration over the operation time of the system. Examples; auditoriums, conference rooms, special use classrooms, concert halls, etc.

2-B (Alternative interpretation). Only one peak occupancy may be used within a twenty four hour period.

Creighton & Associates believes that Interpretation No. 2a above expresses the intent of Standard 62-1989.

Question 2. Is interpretation No. 2-A correct?

Answer 2. Yes