

**INTERPRETATION IC 62-2001-46 OF  
ANSI/ASHRAE STANDARD 62-2001  
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY**

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**Request from:** Joel Winstead (jdwinstead@trane.com), Trane Company, 1775 Pyramid Place, Suite 100, Memphis, TN 38132.

**Reference:** This request for interpretation refers to Addendum h to ANSI/ASHRAE Standard 62-2001 that modifies the Indoor Air Quality (IAQ) Procedure in Section 6.2.

**Background:** Addendum 62h specifies requirements for compliance with Standard 62 using the Indoor Air Quality Procedure. It requires an objective analysis of concentration and exposure time for all contaminants of concern. Informative Appendix C, which was revised by ANSI/ASHRAE Addendum 62ab to ANSI/ASHRAE Standard 62-2001, summarizes target concentrations for specific exposure times for many potential contaminants, but not for ETS.

When applying the IAQ Procedure, both no-smoking and smoking areas must be ventilated as necessary to maintain the concentration of all contaminants of concern at or below target levels established by cognizant authorities, after accounting for both source strength and air cleaning for each contaminant.

To my knowledge, no cognizant authority has established an acceptable concentration for ETS. Addendum 62h (Section 6.3.1.2) requires a maximum concentration limit and exposure period for each contaminant of concern and refers the user to Appendix B of Standard 62-2001 for guidance. According to this appendix, for contaminants with no established standards or guidelines, such as ETS, the target concentration and exposure time may be determined by seeking “expertise” or by conducting research to determine acceptable concentrations and exposures.

**Interpretation:** If the target concentration and exposure time for ETS is determined by experts or based upon research the IAQ procedure can be applied to determine required ventilation rate and air cleaning requirements in ETS-Areas.

**Question:** Is this Interpretation correct?

**Answer:** No

**Comments:** Section 6.3.1.2 (found in Addendum 62h) requires an appropriate reference to a cognizant authority (see definition found in Addendum 62ae).