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**IMPORTANT STANDARDS UPDATE NOTIFICATION FROM YOUR
NATIONALLY RECOGNIZED TESTING LABORATORY**

RE: Standard: Unvented Room Heaters
Standard Number: ANSIZ21.11.2 -2002, Z21.11.2a -2003, Z21.11.2b-2004

As a valued customer we are providing you with advanced notice of revised requirements for the referenced standards and applicable updates. Because of these revised requirements, we are advising all Applicants who have products listed to this standard of this Standards Update Notice.

This will affect your Listing status so it is important to review this letter carefully.

Standard	Effective Date of Revised Requirements	New/Revised Requirements
Referenced Above	June 1, 2008	<u>See Summary of Changes on Page 2-4</u>

Important Information Regarding this Standards Update Notification

1. Your currently listed products to the above standard, as well as their listing reports, will need to be reviewed against the new/revised requirements noted above. As part of this review it will be determined whether any additional information is needed or further evaluation and testing is required on product samples. See attached.
2. If the products currently listed will not be produced after the Effective Date for these new/revised requirements, please advise us of these products and their listings will be withdrawn on that date.
3. Currently listed products must be found in compliance with the new/revised requirements by the Effective Date or the authorization to apply the WHI Mark will be withdrawn.
4. All new products submitted will be evaluated to the new/revised requirements noted above unless you specifically request otherwise in writing. Please note that new product listings will be withdrawn on the Effective Date unless the product is found in compliance with the new/revised requirements.

Please contact your **Intertek Engineering Office** , to determine what action will be needed to maintain your WHI Listing. If this letter does not pertain to your reports or if addresses, contacts, etc. are incorrect, please make a note on it and fax it back to 905 678-7131.

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Sincerely,

Certification Manager

Operations Managers
Sales Managers

Description of Changes

Impact Statement: A review of all Listing Reports is necessary to determine which products already comply with these new/revised requirements and which products will require re-evaluation and test.

Note: Although some products are not affected by these revisions, at minimum, all Listing Reports will need to be revised to show the correct standard, edition and revisions through date.

NOTE: Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on the **Effective Date of June 1, 2008** unless product is found to comply with the new/revised requirements.

*****For your convenience, you may buy standards online at www.intertek-standards.com***

Standard Name: Unvented Room Heaters

Standard Number: **ANSI Z21.11.2 -2002, Z21.11.2a -2003, Z21.11.2b-2004**

Date of Revisions: 2002-2004

SSQ Category: YG0

GE Category: **Hearth Products**

Industry Affected: Gas Appliance

NOTE: Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on the **Effective Date of June 1, 2008** unless product is found to comply with the new/revised requirements.

Summary of Changes:

The following is a brief summary of the new and revised paragraphs in the Standard for Gas-Fired Room Heaters, Volume II, Unvented Room Heaters, ANSI Z21.11.2-2002, ANSI Z21.11.2a-2003 and ANSI Z21.11.2b-2004 and the action that may be required to determine compliance.

Paragraphs General Subject and Comment

1.1.2 Summary – Clarifies that appliances shall be shipped from the factory for one gas only. Field conversion of gas types shall not be permitted.

Action – None, since requirements for field conversion were not previously included.

1.3.4 Summary - Room heaters suitable for use with loose materials such as rock wool or glowing embers shall include a single application of this certified material.

Action – Submit a sample of the room heater if it is intended for a single application of the material.

Section 1.4, 2.1.10,

Section 2.23

Summary – Includes construction and performance requirements for catalytic materials.

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Action – Submit a sample of the room heater if it includes a catalytic material.

Sections 1.5, 2.10,

Figure 4, Appendix H

Summary – Includes construction and performance requirements for Glass fronts.

Action – Submit a sample of the room heater if it includes a glass front.

1.9.3 Summary:

1. Revises and updates requirements for Automatic Ignition Systems as follows:

Every room heater shall be equipped with an automatic gas ignition system.

This system shall be designed to function in one of the following manners:

a. Provide for ignition of main burner gas by means of proved pilot.

If the presence of the pilot(s) is not proved, provide for automatic shutoff of gas to the main burner(s) and pilot burner(s).

b. Provide for ignition of main burner gas using a direct ignition system, which only supervises the main burner(s) flame.

If the presence of the main burner flame is not proved, provide for automatic shut off of main burner gas.

In the event of main burner flame outage during an operating cycle, provide for automatic shutoff of main burner gas without re-energizing the direct ignition device or provide for prompt and safe re-ignition of main burner gas by reenergizing the direct ignition device as stipulated in 2.9.5.

c. Provide for ignition of main burner gas using a direct ignition system incorporating a proved igniter which provide that the igniter is capable of ignition prior to initiation of main burner gas flow.

For systems that supervise main burner flame during an operating cycle and de-energize the igniter, provide for automatic shutoff of main burner gas in the event of main burner flame outage.

Action: None required since this is an expansion of allowable construction options. Existing Listings remain compliant without the need for review or testing.

1.21.4 Summary – The instruction manual shall advise the installer and user to leave and retain the appliance manual and shall contain the following in a boxed form:

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

The letters used for the boxed statements above shall be boldfaced type having a minimum uppercase letter height of 0.120 inch (3.05 mm). The minimum vertical spacing between lines of type shall be 0.046 inch (1.17 mm). Lowercase letters shall be compatible with the uppercase letter size specification.

Action – Submit a revised draft of the instructions, highlighting the added boxed information.

1.21.4.x Summary – This requirement was formerly applicable only to an unvented room heater design intended for installation in a solid-fuel burning fireplace or in a listed ventless firebox enclosure only (former 1.21.13.h) that contained field assembled parts. It now applies to all types of unvented room heaters and gas-fired unvented decorative room heaters.

A pictorial diagram in at least two views or a single exploded view depicting proper positioning of field assembled parts. The following statement must be included with the pictorial diagrams: “WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this heater may result in property damage or personal injury.”

Action – Submit a draft of the text if the heater is provided with field assembled parts.

1.21.4.y Summary – Room heaters suitable for use with loose materials such as rock wool or glowing embers shall state in the installation instructions that loose material shall be installed per the instructions. The instructions shall also specify that replacement of loose material must be purchased from the original room heater manufacturer and application of excess loose material may adversely affect performance of the heater. The following statement must be

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included: "WARNING: All previously applied loose material must be removed prior to reapplication."

Action – Submit a draft of the text if the room heater is suitable for use with loose materials.

1.21.5 Summary - Instructions for an unvented room heater or unvented decorative room heater shall bear the following boxed warning:

WARNING

This appliance is equipped for (natural or propane) gas.

Field conversion is not permitted.

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(Optional statement) The appliance may be returned to the manufacturer for conversion.

Action – Submit a revised draft of the instructions, highlighting the added boxed warning

1.22.2.g Summary – Requires the marking, generally included as part of the nameplate, "This appliance shall not be field converted."

Action – None. The UL FUS Procedure will be revised to include this statement as a required marking in the Markings section.

1.22.8f Summary – The marking plate or separate marking shall include, "WARNING: Fireplace screens must be closed while the appliance is in operation."

Action – None. The UL FUS Procedure will be revised to include this statement as a required marking in the Markings section.

1.22.21 Summary - Room heaters suitable for use with loose materials shall bear a Class IIIB marking on the loose material packaging. The Marking shall contain the following: "WARNING: All previously applied loose material must be removed prior to reapplication."

Action – Identify if the room heater is suitable for use with loose materials. If loose materials are to be used, the UL FUS Procedure will be revised to include this statement as a required marking in the Markings section.

2.1.11 Summary - An unvented decorative room heater supplied with loose material shall comply with all performance tests with the amount and placement as specified by the manufacturer. Additional tests shall be conducted both without loose material and with 1.5 times the loose material as specified by the manufacturer. These tests shall be conducted at normal inlet pressure and shall comprise those tests specified in 2.4.1(c), 2.5 (Burner Operating Characteristics), 2.6.1, 2.6.2, 2.7.2, 2.9.3 and 2.9 (Direct Ignition Systems).

Action - Identify if the room heater is suitable for use with loose materials. If loose materials are to be used, submit a sample for retesting.

2.4.1, 2.4.4, 2.4.5,

2.4.6, Figs. 1-3

Summary – Revises Combustion Test method for carbon monoxide and carbon dioxide and adds new test for nitrogen dioxide. A room heater shall not produce a concentration of nitrogen dioxide (NO₂) in excess of 0.002 percent in an air-free sample of the flue gases when the appliance is operated at normal input rate and inlet test pressure, and tested in a room with approximately a normal oxygen supply.

Action - Submit a sample of the room heater for retest.

2.9.5 Summary: Identifies that an ignition system incorporating flame failure reignition must reestablish ignition within 0.8 seconds as follows:

If the ignition system incorporates flame failure reignition it shall be capable of reestablishing ignition in not more than 0.8 second following flame outage, and it shall re-ignite the main burner gas without flame flashback or damage to the appliance.

Action: None required since requirement was clarified only and did not change.

3.3 Action – Revises the method of identifying multiple carton markings.

Action – Identify if the room heater is shipped with more than one carton. If more than one carton is used, the UL FUS Procedure will be revised to include a description of the revised marking format.

SUMMARY OF OTHER REVISIONS

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The items below are **not** a part of this review, but are only intended to advise all concerned of other revisions made to this standard.

Paragraphs General Subject and Comment

Part IV, Definitions Add definitions for "Accessible," "Readily Accessible," Automatic Gas Ignition System Timings", "Proved Igniter", "Ignition Source", "Multi-try Systems", and "Pilot".