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MEETING LOG
DIRECTORATE FOR ENGINEERING SCIENCES OF THE SECRETARY

2000 MAR 22 A 8:39

SUBJECT: Meeting with the American National Standards Institute (ANSI)
Z21/83/Canadian Standards Association (CSA) Subcommittee's Flame
Rollout Safety Shutoff Means Ad Hoc Working Group.

LOCATION: Hotel Royal Plaza
Orlando, Florida

DATE: March 15, 2000

LOG ENTRY SOURCE: Mohammed Khan *M.K.*

LOG ENTRY DATE: March 16, 2000

COMMISSION ATTENDEES: Mohammed Khan (ESEE)

NON-COMMISSION ATTENDEES: See attached attendance record

MEETING SUMMARY:

The purpose of the meeting was to discuss the appropriateness of the current standards coverage for flame rollout protection means (FRPM) for appliances that are equipped with automatic ignition systems. This log provides a summary of the key discussion points that were of special interest to the staff.

The current FRPM certification test procedure for boilers, which are not equipped with inducer motors, allows "bypassing" of the boilers' ignition systems if the ignition systems can activate under simulated blocked heat exchanger conditions. This poses a potential problem since, in the field, automatic reactivation or cycling of an ignition system during a blocked heat exchanger condition can prevent appliances' FRPM from actuating. The staff and the members of the working group agreed that the current FRPM standards coverage is inappropriate and that modification to the certification test procedure is needed. It was suggested that the method of test be rewritten to prohibit bypassing of such systems. Before a formal recommendation is presented to the committee, it was agreed that the working group would review background information pertaining to the certification pass-fail criteria.

The staff indicated to the working group that it believes that following any safety certification test wherein bypassing is performed, testing of the

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appliance as a complete system without bypassing, is needed to ensure that all of the appliance's safety systems function in combination with all other appliance systems. Members of the working group indicated this would pose redundant and unnecessary standards coverage since they believe there are a sufficient number of tests in the standard that require proper operation of the appliance when tested as a complete system. The staff indicated that it would review the scope of the tests involving complete unit operation and determine if the tests are also appropriate for ensuring proper functioning of all safety features.



CSA INTERNATIONAL

File No 1-8-1

Standards
Development

QMI
Management Systems Registration

Certification
and Testing

ATTENDANCE LIST

Meeting of ANSI Z21.83 AD HOC WG on Flame Rollout Safety
Cutoff System

Date Wed. Mar. 15, 2000 Time

Location Hotel Royal Plaza, Orlando FL

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