SUBJECT 268C

OUTLINE OF INVESTIGATION

FOR

OUTLINE OF INVESTIGATION FOR MULTI-DETECTOR TEST APPARATUS

Issue Number: 1

June 29, 2010

Summary of Topics

This first issue of the Subject 268C Outline of Investigation for Multi-Detector Test Apparatus covers test equipment that may be used to validate the functional operation of multiple integrated sensors or mutually exclusive operating sensors within a single detector.

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INTRODUCTION

Scope

1.1 These requirements apply to multi detector test apparatus which are intended to supplement the in-service functional operation of multi-sensor detectors that may include, but not be limited to the integral use or mutually exclusive use of heat detection, smoke detection, carbon monoxide/gas detection capabilities. These apparatus may consist of pressurized gas, liquid, solids or combination thereof to produce the necessary simulant.

1.2 These products are not intended to assess the performance of the detector in accordance with the applicable Standard, but are intended to verify functional operation of the detector as defined by the detector manufacturer.

1.3 Multi-detector test apparatus are intended for handling and use by a qualified professional.

1.4 These products are not intended for use in hazardous locations.

1.5 These products have not been assessed for use in oxygen rich environments.

1.6 Hazards and/or applications of the materials, chemicals, and/or pressurized container used to store the primary reactive component used to initiate the intended signaling performance, have not been investigated.

1.7 These products are battery operated and may consist of a limited energy, Class 2 power supply/charging circuit.

1.8 These products do not cover:

a) Products covered by the Outline for CO Gas Test Kit for Gas and Vapor Detectors and Sensors, SU 2075A;

b) Products covered by the Certification Requirement Decision for smoke detector aerosol sprays issued for Smoke Detectors For Fire Alarm Systems, UL 268;

c) Test and certification requirements for Alarms, Sensors and/or detectors;

d) RF transmission of signals between devices;

e) Primary or secondary battery charging circuits, operational life or battery performance/safety requirements associated with rechargeable batteries;

f) Performance and safety requirements associated with non-rechargeable batteries, or

g) Emergency signaling equipment as addressed in Standards such as, but not limited to, Gas and Vapor Detectors and Sensors, UL 2075; General-Purpose Signaling Devices and Systems, UL 2017; Smoke Detectors For Fire Alarm Systems, UL 268; Control Units and Accessories for Fire Alarm Systems, UL 864; the National Fire Alarm Code, NFPA 72 and Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment, NFPA 720.