

NRCREP Resource

From: Sean Hunt [sphunt@haifire.com]
Sent: Monday, November 15, 2010 7:06 PM
To: NRCREP Resource
Subject: Response from "Comment on NRC Documents"

2010 NOV 16 PM 3: 50

Below is the result of your feedback form. It was submitted by

Sean Hunt (sphunt@haifire.com) on Monday, November 15, 2010 at 19:05:50

RECEIVED

Document_Title: Cable Heat Release, Ignition, and Spread in Tray Installations During Fire (CHRISTFIRE)
Volume 1: Horizontal Trays

- Comments: 1) Section 9.2.2. The tests on which FLASH-CAT is validated involve open burn configurations. When considering cable tray fires in spaces that have an elevated temperature (hot gas layer), one would expect that the horizontal flame spread rate to increase (see SFPH HB, Section 2-12). What is the maximum enclosure temperature under which the FLASH-CAT model could be used?
- 2) Was dripping flaming material observed in the tests of the thermoplastic (or even the thermoset material)? Could it be noted from the series of tests conducted whether or not fire propagation to a lower elevation (tray or floor) is a possible mechanism for fire spread?
- 3) Table 3-B. This table lists a number of parameters that in general are expected to play some role in the heat release rate, fire duration, ignitability, etc. of cables. Because there are so many different types of cables, this parameter space represents only a small slice of what is out there. Were enough tests conducted to draw some conclusions about each of these parameters and if so could such a conclusion set be included in a later section of the document. For example, holding all parameters constant, the effect of increasing the number of conductors is [?]. Asked another way, since these tests form a validation basis for FLASH-CAT, what is the significance of estimating the cable fire heat release rate on cables that do not fall within the range of one or more parameters in Table B-3?
- 4) (Throughout) Suggest where graphs are used and labeled with a Cable No., or a Test No., or an Experiment No., that the cable types be identified as TP or TS in the caption.

organization: Hughes Associates, Inc.

address1: 600 Jackson Pond Rd

address2:

city: Bingham

state: ME

zip: 04920

country: USA

phone: 207-643-2074

10/05/2010
75 FR 61521
4

SONSI Review Complete
Template = ADM-013

F-RIDS = ADM-03
Add = J. Stroup (dswk)