

Message

From: Simon Hunt [/O=LINK/OU=FIRST ADMINISTRATIVE GROUP/CN=RECIPIENTS/CN=SHUNT1]
Sent: 03/07/2006 11:45:17
To: Brian Martin [Brian.Martin@communities.gsi.gov.uk]
CC: fraser-mitchellj@bre.co.uk; Anthony Burd [Anthony.Burd@communities.gsi.gov.uk]; John Fay [John.Fay@communities.gsi.gov.uk]
Subject: Re: Timings for calculating when FRS interaction with building evacuation needs to be considered

Hi Brian,

BS 5588 has a requirement for travel in the firefighting lift to be no longer than 1 minute, given all the other variables my suggestion would be that the times we have, which included travel in the lift will suffice.

Simon

>>> Brian Martin 07/03/06 11:38 am >>>
Thanks Simon.

I suppose we will need to take account of the travel time in the FF Lift up the building.

I think there is a speed requirement in the FF Lift standard. I don't suppose you or John know what it is from the top of your heads?

I'll ask Jeremy back at BRE if we have any suitable numbers for time to detection ect.

Brian

>>> Simon Hunt 07/03/06 11:03 am >>>
All,

Timings for calculating when FRS interaction with building evacuation needs to be considered in fire safety design guidance

We spoke about the above as part of the review of access and facilities and the current consideration by BRAC of the BDAG implications on ADB.

Attached are timings from the BDAG live fire trials for the high rise scenario where we used a firefighting lift to gain access to the fire compartment. The timing starts from appliance arrival (kerb Side) and ends with firefighters checking the branch for water to commence entry to a fire compartment. It's a bit of a moving feast as to what phase of operations you choose for the FRS impacting upon the occupants. Your views on this are welcome.

Note: in the trials we assumed other crews were providing the second hose line, hence the consideration beneath re attendance levels.

Also attached is an overview of attendance times from a selection of met IRMPs. We need to look at the second (and subsequent) appliance attendance as this would be required to provide the safe system of work - two jets etc.

We need to add to these times an element for detection to alarm and alarm to transmission to FRS and dynamic risk assessment.

The global time can then be compared to the evacuation modelling to give us a building height at which FRS interaction with building occupants should be considered.

Rough estimate I think we're around the 20 min mark.

We are meeting on the 14th to discuss the LFB/Arup proposal, might I suggest we use the margins of this gathering to agree an overall time.

Simon

>>> Guy Roberts 29/06/2006 15:51:23 >>>

Simon,

The magic number your looking for is attached, I hope this is what you were looking for. I've taken the timings from Pump Arrival to Check branch for 8/9 fires (explanation on spreadsheet).

Have a good weekend
Guy