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Subject: Sources of empirical data related to time to accomplish manual operator tasks

The NRC is in the process of developing acceptance criteria for fire-related manual actions (to be performed outside the control room). As part of this activity we are looking for data sources related to the impact of adverse situations could have on the time needed to accomplish a task. (Note: other factors that typically are considered in an human reliability analysis, e.g., procedures, training, equipment, staffing, etc., are taken through very concrete criteria; therefore, we are focusing on time impacts due to circumstances that cannot be simulated well).

Although most likely adverse situations for fire could be water and smoke; potential sources do not have to be restricted only to those circumstances. In general, we would like to gather data that provide indications of what are the differences of assumed times vs actual times to accomplish a task (in particular when people will have to be dispatched to an area and will have to perform the tasks under unfavorable circumstances).

Potential sources could be, but not limited to, military data, insurance data, fire fighters' associations data, fire trainers data, etc.

We will greatly appreciate if you could let us know of the availability of such data or people that may have information about it. Please feel free to forward this e-mail as appropriate.

Thank you very much.

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