

Selection of Screening Categories for Models: FEMA Perspective

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ABSTRACT

Under the Catastrophic Disaster Response Group (CDRG), Emergency Support Information Requirements (ESIRs) have been gathered for various Emergency Support Functions (ESF) under the Federal Response Plan including Hazardous Materials. As part of the multi-hazard risk modeling assessment for the Hazardous Materials ESF, a number of models were evaluated as to how well they satisfied Emergency Support Information Requirements. The model evaluations were based on several factors including model character, model type, model range, the type of inputs and outputs, and the extent of any model verification/validation. Given the large number of models evaluated, very few were found to meet any of the Emergency Support Information Requirements.