

Selection of Screening Categories for Models: DOD Perspective

Captain Frank Garcia, USN
Acting Director, Information Systems,
Deputy Under Secretary of Defense (Science & Technology)

ABSTRACT

The selection of dispersion models within the Department of Defense is driven by mission considerations including strike/counter proliferation, defense/force protection, and facilities readiness. Interim accreditation has been given to VLS TRACK (defense/force protection), HPAC (strike/counter proliferation), and D2PC (facility readiness). Other factors entering into the selection process include a convergent acquisition process, transportability, interoperability, and integration with service doctrine. Recognizing the need to strengthen oversight, the Department of Defense is taking a top-down approach in defining the lines of authority for chemical and biological programs.

The Department of Defense recognizes that hazard prediction includes more than atmospheric transport and diffusion; it also includes better source characterization and a better understanding of human response.

Over the next few years, the Department of Defense will develop the Joint Effects Model (JEM) as a common-use hazard prediction model. This model will integrate capabilities of current models within a common architecture as well as develop and integrate urban effects and flow through complex structures. The goal is to provide real-time information for operations including support for homeland security.