## Potential Use of Transport and Dispersion Model Output to Supplement ATP-45 Hazard Prediction Templates <br> Nathan Platt and Leo Jones <br> IDA <br> Institute for Defense Analyses, Alexandria, VA 22311, USA



Notional Real-Time Use of CT-Analyst for Hazard Area Prediction at Fixed Time but Varied Wind Sweep Angle


Notional Real-Time Use of CT-Analyst for Hazard Area Prediction at Fixed Wind Sweep Angle but Varied Time


## References

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## Caveats

We do not advocate that ATP-45 2-hour hazard area templates could or should be xtended to include 1 -hour hazard area templates. In fact, it would have been preferable operform this study with high-resolution urban nomograts covering 2 hour hazard are

Both wind direction fluctuation of $\pm 5$ and $\pm 10$ degrees and time intervals of 15 minutes, wind fluctuations of $\pm 10$ degrees, and wind speed variations of $\pm 1 \mathrm{~km}$ used in the construction of the figures above are notional and are not being specifically advocated. If these suggestions on the use of a T\&D model to supplement ATP-4. hazard area templates are to be contemplated, he acua valu bio be used require within the Cheical and Biological Defens community.

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