

Session: (To be filled in later by DHS)

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CARVER+Shock: Food Defense Software Design + Case Study

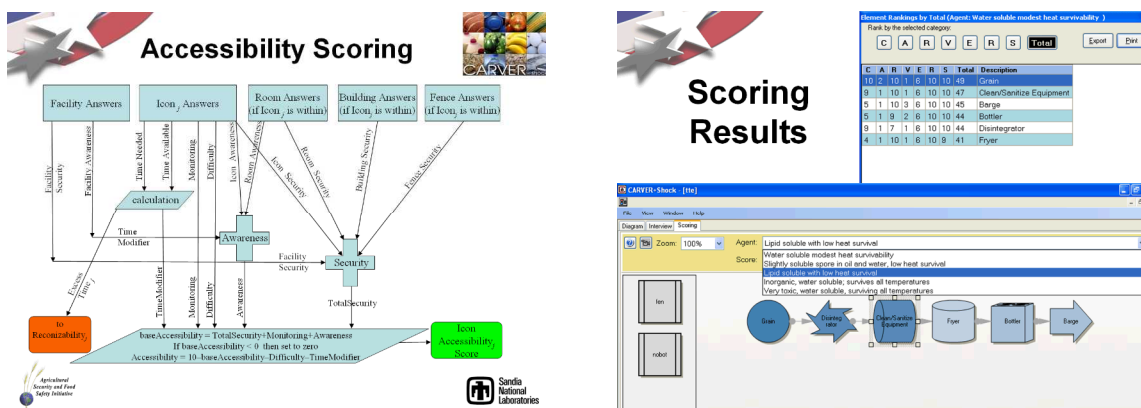
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Abstract

The CARVER+Shock software was developed by Sandia National Laboratories for the Food and Drug Administration to establish an easy to use tool for defending food production against malevolent attacks. The software uses the Criticality Accessibility Recognizability Vulnerability Effect Recuperability and Shock methodology to identify vulnerable critical components in a food production process and then recommends mitigative steps to reduce vulnerability. The software is programmed in visual basic and uses the Windows environment. The case study presented demonstrates hypothetical yogurt and apple cider processes. Examples of the analysis and results are shown along with the scoring options.



To be considered for a poster presentation at the **6th DHS Conference on Chemical and Biological Technologies: Food Protection, Restoration, and Architecture Studies**, Sponsored By: DHS S&T with the University of Minnesota Center of Excellence for Food Protection and Defense Middleton, WI June 5, 2007 - June 8, 2007.