

EMADVANTAGE™ Intellectual Property Summary

12980-E EMADVANTAGE™

EMADVANTAGE™ is a software product that directly supports planning, daily operations, incident identification, emergency declaration, and response activities for a multi-user emergency operations center. EMADVANTAGE™ has a suite of models (fire, bleve, toxic release, HF release, etc.) that specifically address hazards associated with refineries and petrochemical plants. EMADVANTAGE™ also provides a suite of general capabilities that can be directly mapped to other, more general hazards. The electronic status board, reporting and capabilities are designed to support effective sharing of information and decisions across multiple users and multiple emergency operations centers.

The EMADVANTAGE architecture provides the user with the following major capabilities:

- Activity Descriptions
- Hazard Modeling
- Threat and Risk Identification
- Protective Action Decisions
- Electronic Plan Generation/Execution
- EOC Activation/Emergency Declaration
- Community Profile
- Evacuation Modeling
- Facility/Resource Management