

## **All Hazards Emergency Operations Management System (ALLHAZ)/DRIS**

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### Abstract

The Department of Homeland Security is modifying the *National Preparedness Goal and Target Capabilities List* to reflect the impact of Hurricane Katrina. The Hurricane crystallized the importance of **all-hazards emergency operations planning** and brought to the forefront the need for changes on a number of fronts. Citizens need to know how to better prepare for disasters. A strategy for managing volunteers and donations is needed. Critical resource logistics and distribution need to be integrated with NIMS. Shelter staffing, evacuation preparedness, short term recovery and mass care strategies all need attention. Public officials must be trained in incident command and large scale event management. Mississippi Urban Search and Rescue teams need to be increased in size and number.

The All Hazards Emergency Operations Management System (ALLHAZ) is designed to implement key components of DHS' National Preparedness Goal at the local level and to provide a Common Operating Picture (COP) employing geospatial displays and models. ALLHAZ leverages current projects, existing data and resources, heterogeneous data sources and is targeted for use Responders teams. ALLHAZ is scaleable to support routine operations and large scale disasters.

Building on intelligent decision-making and data fusion the Center for Defense Integrated (CDID) is developing a Disaster Response Intelligent System (DRIS) capable of data acquisition, data fusion, and intelligent decision-making in support of the Urban Search and Rescue (USAR) mission. DRIS is being integrated with the ALLHAZ system. The system, designed in a "Web Services service-oriented architecture" which can easily be enhanced with additional modules, will provide emergency response personnel with a "one- view" look for disaster planning, response and mitigation.