

# Implementing CAP and EDXL standards to Enhance Web-Based Crisis Management

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## **ABSTRACT**

In response to the Australian Federal Government's legislative changes, including the Disaster Management Act 2003, both State and Local Government are finding it necessary to work ever more closely to ensure the successful development, approval and operation of local disaster management plans and activities.

Working closely with numerous Local governments and their stakeholders, Faulkner Technologies has developed a web-based information management exchange to facilitate the timely and accurate collation, dissemination and sharing of event-related information during an incident or disaster. Challenges such as geographically-dispersed operations, information management, communication management, reporting and logging and capturing key learnings are common to all local councils. Our web-based information management exchange dovetails with both the paper-based Standard Operating Procedure and multiple communication systems significantly enhancing the management of disasters and incidents.

In conjunction with NICTA (National ICT Australia) and their Smart Applications for Emergencies (SAFE) project, the solution uses the Common Alerting Protocol (CAP) and Emergency Data eXchange Language (EDXL) standards for message distribution.