

# NSDI 2010 CAP GRANTS

## CATEGORY 6

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### ENHANCEMENT OF THE GEOSPATIAL DATA MODEL ADOPTION FOR EMERGENCY RESPONSE

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**Date:** June 28, 2012

**Agreement Number:** G10AC00229

**Project Title:** 2010 CAP, Category 6 – Enhancement of the Geospatial Data Model Adoption for Emergency Response

**Organization:**

California Emergency Management Agency  
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### Executive Summary

In 2010, Cal-EMA, in partnership with the Homeland Security Regional Technology Center (RTC) housed at San Diego State University Research Foundation (SDSURF), was awarded a USGS National Spatial Data Infrastructure (NSDI) Cooperative Agreement Program (CAP) grant in support of the Federal Geographic Data Committee (FGDC). Changing economic conditions and competing priorities have necessitated many changes to this project. The Department of Homeland Security (DHS) no longer supports the GeoData Model (GDM), or the application that generated a database schema. The San Diego Regional Technology Center no longer exists, due to lack of funding. Instead, CalEMA will update the skills needed to develop a database schema for incidents.

### Project Narrative

The original project proposal was the migration of Cal-EMA's GIS data structure for emergency response to the national DHS GDM by the staff at the RTC. We sought to enhance the adoption of the GDM by jurisdictions and agencies throughout the State. The migration would have been accomplished by taking Cal-EMA's existing directory structure and cross-walking it over to the existing the DHS GDM using the Schema Generation Tool (called GDM-O-Matic) that was created by DHS for this purpose.

Shortly after the award, DHS discontinued support for the GDM. After many discussions, DHS worked with us to continue as planned; they would send the Server that housed the DHS application that we had intended to use. It arrived after a delay of

about 8 months. Unfortunately, the server was damaged beyond our ability to resurrect it. This grant expired in April 2011. A time only extension was requested and received by Cal EMA.

On August 10, 2011, we received notice from the RTC that they were not awarded a renewal contract under which they were funded as an entity, and were being dissolved on September 2, 2011. At that time, I contacted the CAP Grant Coordinator to explain the situation and request advice on how to proceed. It was agreed that Cal-EMA could use the grant funds for training and travel in order to have the requisite skills to achieve the goals of the grant. Another time only extension was granted to allow time for staff to complete the tasks of this Grant. Project completion is scheduled for April 14, 2013.

Since January 2012, Cal EMA GIS staff has been taking ESRI ArcGIS v.10 training to learn and develop the skills to build an incident database schema. Staff is currently working on four of the identified data types for inclusion into the schema. In addition, collaboration with ESi WebEOC development team to include requisite data types and attribution into Cal EMA's data model. (ESi is on contract with CalEMA to re-engineer the Response Information System (RIMS) using WebEOC and Mapper which will be populating the GIS database via this new application.)