




<p style="text-align: center;">ENTITY</p>	<p style="text-align: center;">Critical National Infrastructure Authority (CNIA)</p> <p>P.O. Box 62220, Abu Dhabi, UAE Phone: +971 (0) 2 448 9999 Fax: +971 (0) 2 448 3333 E-Mail: info@cnia.ae www.cnia.ae</p> 
<p style="text-align: center;">Abstract</p>	<p>The Critical National Infrastructure Authority (CNIA) is the government authority tasked with handling the protection and security of Abu Dhabi's vital assets and infrastructure both on land and on the sea. The Authority works to ensure that critical facilities are secure from potential threats, possible disruption and imminent destruction.</p> <p>Established in May 2007, CNIA works to secure Abu Dhabi's infrastructure and promote economic stability. Working with other government security forces, the CNIA takes all necessary precautions to pro-actively prevent and respond to any destructive actions by hostile forces which may have a damaging effect on Abu Dhabi's well-being. The Authority strives to provide maximum security while ensuring the uninterrupted flow of commerce.</p>
<p style="text-align: center;">GIS Profile</p>	<p>CNIA has made several steps towards building their GIS capacities. Consultants have been retained to look at their emergency management strategy and overall system and data needs, planning was conducted for an emergency response/dispatch center, and ADSIC/AD-SDI have been contacted for data and system collaboration. In addition, CNIA currently utilizes GPS-enabled technology for locating facilities and incidents.</p> <p>Once fully developed, an enterprise GIS solution would allow CNIA to understand the location and distribution of critical facilities; map and provide response for specific incidents; map emergency facility locations, health facilities, and evacuation routes; distribute and manage resources; and prepare spatially enabled response plans based on various incident scenarios. The GIS system would as well facilitate many of CNIA's planning, strategic, and response functions and also provide a platform for interaction with other entities in the AD-SDI community.</p>
<p style="text-align: center;">SDI Involvement</p>	<p>CNIA joined the AD-SDI in 2009. Once fully engaged, CNIA will be able to utilize AD-SDI data at a range of levels, including: 1) providing the source spatial data for mapping critical facilities, 2) providing background, contextual, and related data for mapping and analytical purposes, and 3) providing a reliable source of accurate updates and currency to spatial data.</p> <p>Within this context it is anticipated that CNIA will develop many interactions and relationships with other government and semi-public entities in the AD-SDI community to obtain their needs of geo-spatial information including critical facilities data (the community facilities data currently under development as a shared resource through AD-SDI would be critical data for CNIA's planning mission), as well as data required for context, background, and analytical purposes such as basemaps, utilities, planning and demographic distributions, telecommunications, offshore, sensitive areas, and other.</p> <p>The wealth of geographical information facilitated through the AD-SDI will assist CNIA in developing an Integrated Critical Infrastructure Geodatabase, which will represent an integrated geographical database of critical facilities and related information including critical government locations, transportation networks, land use, population density and distribution, employment density and distribution, health and emergency services, natural features related to security and access, etc. Additional mapping, query, incident reporting, visualization, and spatial analytical tools would be added.</p> <p>Other areas of collaboration with AD-SDI member entities will include participation in working groups and special interest groups such as Public Safety / Security, Utilities, 3D City Objects, and Hydrographic Survey.</p>
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