

**HOMELAND SECURITY COMMAND AND CONTROL SYSTEM
REAL-TIME SITUATIONAL AWARENESS APPLICATION UPGRADE
STATEMENT OF WORK**

Introduction:

The Hawai'i Department of Transportation, Harbors Division (HDOT Harbors Division), provides comprehensive management of all shipping and cargo needs for the State of Hawai'i. As one of the state's official sources for updates during emergency situations, the organization must maintain a constant state of awareness. HDOT Harbors Division currently utilizes the CommandBridge solution to monitor their maritime environment. The system serves as a base layer integration platform for a real time view of the harbors and maritime environment and currently integrates the Coast Guard's NAIS and HDOT Harbors Division's video management system (VMS). HDOT Harbors Division anticipates upgrading the application technology to enhance the efficiency and effectiveness of their current system.

Statement of Work:

HDOT Harbors Division is seeking a web-based solution capable of integrating and upgrading the operational version of CommandBridge that is currently in use at the Hawai'i Department of Transportation, Harbors Division. HDOT Harbors Division proposes updating their perpetual license of CommandBridge to a Software as a Service (SaaS) license. The system shall be hosted by the provider on site or through a secured facility. The platform shall incorporate the existing data feeds in CommandBridge (GIS & AIS) as well as the Genetec VMS platform. The system shall be web-based and allow HDOT Harbors Division to share access with other divisions and partners. This can include the multiple harbors throughout the islands, other divisions of the Department of Transportation and other state agencies and partners. The system shall not charge per user and shall have built in sharing policies for any integrated data feeds. The sharing policies shall be customized for each data feed and partnering organization, so HDOT Harbors Division and their partners can maintain control of their integrated information.

The updated system shall include situational awareness applications and/or tools to include maps or a Common Operating Picture (COP), GIS data, configurable rules and automated alarms, video displays, reports, and emergency management tools. The HDOT Harbors Division may also integrate additional information such as live weather, traffic patterns, traffic cameras, GIS, and other systems and sensors for a comprehensive emergency management solution. With the updated solution HDOT Harbors Division seeks to improve both the strategic command and control, and the intelligence dissemination needed to understand and effectively respond to any situation.

System Requirements:

HDOT Harbors Division is seeking a solution to update their currently operational version of CommandBridge that meets the following requirements:

- SAFETY Act Designated or Certified
- Application based
- Web-Based or Hosted platform that does not need to be installed on computers
- Provides software as a service (SaaS)
- Utilizes a clustered server environment for high reliability and availability
- Capable of integrating AIS, GIS, map overlays (weather, nautical charts, etc.), and Genetec VMS
- Provides track data and visualization including heading/course/speed vectors, and track history
- Provides a variety of base maps (Satellite, hybrid, etc.)
- Allows users to configure and store their preferred map view(s)

- Capable of creating geofences or tripwires for alerting and reporting of integrated track data
- Capable of creating user-configured video walls
- Capable of utilizing or integrating ATAK or CivTAK
- Does not charge per user
- Contains built-in, configurable sharing policies for integrated data
- Provides a search functionality to search for any integrated or displayed assets
- Ability to utilize Microsoft Active Directory
- Ability to create user roles/types with granular permissions
- Ability to create configurable rules and automated alerts for integrated data
- Ability to dismiss/acknowledge alerts by user or by organization
- Ability to create audio and email alerts
- Ability to integrate or create standard operating procedures (SOPs)
- Ability to attach SOPs, comments, or assets to alerts
- Ability to create configurable lists or forms
- Provides a collaborative event management tool
- Capable of creating templates or pre-planned profiles for emergency or event management
- Provides reporting capabilities for integrated track data
- Provides the ability to load geospatial replays for integrated track data
- Provides the ability to overlay HDOT Harbors Division facilities and floorplans
- Contains automated system health monitoring
- Provides an online knowledgebase for training and support

Vendor Requirements:

- 5 years minimum experience in application development and have an existing deployment in maritime, seaport, or harbor operations
- Perform daily application backups
- Maintain current application restore procedures on file (provided upon request)
- Maintain current disaster recovery procedures on file (provided upon request)
- 99% server uptime
- Provide technical support services
- Provide end-user training and refresher training