



Octave I/CAD



Octave I/CAD (formerly Intergraph Computer-Aided Dispatch) is a suite of industry-leading incident management software solutions. Trusted by the public safety community worldwide, I/CAD supports the operations of more than 2,500 agencies in 28 countries. Its deployments span individual communities, mega cities and nationwide coverage for law enforcement, fire and rescue, emergency medical services, critical infrastructure protection and road safety.

I/CAD enhances the quality and availability of critical information, providing a common operating picture (COP) for intelligent response.

With I/CAD, organizations can implement applications, interfaces, business rules and workflows that meet their specific needs – from single agencies to multiagency communications centers to virtual consolidations and hub-and-spoke deployments for agencies sharing common systems.

Benefits

COTS and interoperable

I/CAD is commercial off-the-shelf (COTS), interoperable, standards-based software, which reduces the total cost of ownership for IT investments.

Scalable and flexible

I/CAD helps agencies adapt to changing requirements with scalable and flexible systems built for coordinating multiple agencies, location and resources.

Robust and reliable

I/CAD is highly available and reliable, ensuring continuity of operations and meeting mission-critical needs.

Functions

Call-handling and dispatching

With I/CAD, call-takers, dispatchers and supervisors benefit from streamlined tools to field calls, create and update events and immediately manage resources from a single interface. I/CAD provides real-time, critical information from multiple sources in a clear operational view that automates key functions and enables users to easily visualize calls, events and resources. From day-to-day operations to exceptional events, users can dispatch services more effectively, monitor events and personnel more comprehensively and empower responders with better information that is more accurate and up to date.

Key applications

Octave I/Dispatcher (formerly I/Dispatcher) includes complete capabilities for call-taking, dispatching and resource management. It features dialog and map-based views of calls, events and units and automatically recommends and routes resources based on location, availability, skills and more.

Octave I/NetDispatcher (formerly I/NetDispatcher) allows users to access real-time incident information via the web. It offers remote and occasional users a view of the current operational status and the ability to dispatch units, update status and more.

Octave I/CAD Video Responder (formerly Intergraph Video Responder) integrates video feeds into dispatcher workflows for better situational awareness. Users can automatically view the closest feed near an event or monitor live feeds and create events based on observed incidents.

Mobility

I/CAD provides field personnel access to critical applications and information to seamlessly connect the communications center and the field. It enables organizations to deploy mobile dispatch capabilities on laptops, smartphones and tablets and allows field personnel to update event details, access databases and send and receive messages. By streamlining workflows, accelerating information flows and empowering users, our mobile solutions improve productivity and safety.

Key applications

Octave I/CAD Mobile for Public Safety (formerly Intergraph Mobile for Public Safety) is a powerful in-vehicle field application that provides responders in the field with the insights they need to prepare for any incident. It offers full-featured mobile dispatching capabilities for laptops and Microsoft Windows mobile devices.

Octave I/CAD Mobile Responder (formerly Intergraph Mobile Responder) is a simple-to-use app that extends mobile dispatching workflows to mobile devices via native apps for iOS and Android devices. It leverages consumer platforms to offer simple deployment and lower cost of ownership.

Mapping

I/CAD provides intelligent maps for effective management of events and resources. Administrators can automate and streamline map creation and updates, while

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dispatchers and field personnel benefit from feature-rich maps displaying data from many sources.

Key applications and capabilities

Octave I/Map Editor (formerly I/Map Editor) leverages Octave GeoMedia (formerly GeoMedia) to enable the use of third-party GIS data as the source of map graphics in I/CAD.

Octave I/Map Editor for ArcGIS (formerly I/Map Editor for ArcGIS) leverages Esri's ArcGIS platform to enable map production within ArcGIS.

Multisource maps let users easily connect to map services for high-quality base maps and overlays, including real-time views of multiple sources simultaneously. I/CAD supports open and commercial sources, including OGC, WMS, Microsoft Bing, Open Streets, ArcGIS and Mapbox.

Reporting and analysis

I/CAD is compatible with Octave's visual analysis and reporting suite, Octave OnCall Analytics Dispatch Advantage (formerly HxGN OnCall Analytics | Dispatch Advantage), which offers complete dispatch data visualization and analytics capabilities for evidence-based reporting, analysis and decision-making. Ideal for larger datasets, OnCall Analytics Dispatch Advantage delivers comprehensive reporting and analysis features and reports, including live operational data. It provides pre-built, paginated and visual content for assessing, reporting and optimizing critical emergency response tasks.

With it, agencies can supervise events, align resources to meet demand in the PSAP or field, monitor performance, conduct post-event reviews and investigations, manage tow requests and providers and more.

For smaller datasets, agencies have the option of Octave OnCall Analytics Dispatch Essentials (formerly HxGN OnCall Analytics | Dispatch Essentials) which provides the core reporting and analysis capabilities of Advantage.

- **Unified business ready data:** Take raw data and generate business-ready data models all users can access, understand and use
- **Visual reporting:** Quickly identify insights and trends with easy-to-use, interactive visual reports and dashboards

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Integration

I/CAD easily integrates with Octave and third-party applications for system and multiagency interoperability. With tools for pre-built and custom interfaces, users can rapidly connect data and workflows. With our application integration software, organizations can achieve more efficient operations and deploy new capabilities.

Key applications and capabilities

- **Collaboration:** Use the CAD-to-CAD interface to communicate event and resource information with other CAD systems for multiagency and jurisdiction coordination
- **Interoperability:** Leverage pre-built interfaces to records management systems, mobile, radio, alarms, alerting, video and other systems for seamless integration and service-oriented components for easier interfacing to I/CAD
- **Custom interfaces:** I/CAD supports custom interfaces to applications, devices and systems for reduced total cost of ownership

More information at octave.com

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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