Intergraph\(^\text{TM}\)'s Interoperability Framework for CAD is a foundation for enterprise integration, information exchange, and implementation of customer-specific business rules for Intergraph's computer-aided dispatch (CAD) system. It is the nucleus of our CAD interoperability strategy, supporting both the EdgeFrontier\(^\text{TM}\) and Microsoft\(^\text{TM}\) BizTalk\(^\text{TM}\) Server integration platforms.

Developing on this framework, we have built two out-of-the-box interface packages – CAD Connect for EdgeFrontier and CAD Connect for Microsoft BizTalk – that enable users to quickly configure interfaces to their CAD system.

Since the Interoperability Framework for CAD is the basis for both integration platforms, you can select the approach that best fits your needs. Choose an enterprise solution based on Microsoft BizTalk Server, or a rapid interface development solution based on EdgeFrontier. By choosing the integration platform you need, you’ll get optimal performance for fast and coordinated multi-agency, multi-jurisdiction response.

**CAD Connect for EdgeFrontier**

Intergraph’s EdgeFrontier middleware is a low-cost, no-code platform to rapidly configure interfaces. New to EdgeFrontier is CAD Connect for EdgeFrontier, an out-of-the-box solution that allows you to rapidly configure interfaces specific to the CAD environment. With an event-driven architecture and robust business rules engine, EdgeFrontier provides fast-track deployment technology that lets you quickly configure, maintain, and support CAD interfaces. It is ideal for constantly changing conditions where requirements evolve, rapid customization is needed, and business rules need adjustment. It gives you a no-code approach to interface development that reduces cost of ownership, simplifies upgrades and maintenance, and supports the integration of next-generation technologies into CAD.

**CAD Connect for BizTalk Server**

Intergraph’s enterprise solution leverages Microsoft BizTalk Server, so you can connect CAD messages to and from other CAD or enterprise systems, external alarm systems, or data exchange hubs. Intergraph CAD Connect for Microsoft BizTalk provides a communication portal to and from CAD via the Interoperability Framework for CAD services. This out-of-the-box package lets BizTalk Server users easily configure interfaces to CAD on the back end.

A powerful orchestration engine applies business rules and transforms CAD messages, and can invoke CAD commands from other applications. Microsoft BizTalk uses the applicable National Information Exchange Model Package Documentation (IEPD) for more packaged, interoperable workflows.

**Features and Benefits**

- **Easier Communications** – Makes it easy to communicate between disparate systems and enables information to flow smoothly among agencies
- **Easier Regional Cooperation** – Provides a critical tool for establishing regional, interoperable security networks that permit fast response to large-scale incidents
- **Customized Business Rules** – Streamlines operations and reduces errors by building in common, pre-defined scenarios you can customize for your agency’s needs
- **Better Response for Any Agency** – Addresses the unique requirements for dispatching police, fire, and EMS resources to emergency events, resulting in quicker, more coordinated response
- **Automatic Notifications** – Lets police, fire, emergency, and security forces notify a broad range of recipients using a variety of media types
• **Records Management Imports and Exports** – Simplifies interfaces to client-server or web-based records management systems

• **Strong Return on Investment** – Promotes open and interoperable systems that reduce the cost of ownership and increase operational efficiencies through better information-sharing

• **Support for Scalability** – Enables system scalability according to your agency’s unique requirements

• **Flexible Interface Development Platform Options** – Supports both the BizTalk Server and EdgeFrontier integration platforms

• **Adaptability** – Provides a framework to support the integration for next-generation technologies into a constantly changing and evolving public safety environment

• **Customer Enablement** – Empowers customers with the ability to configure their own interfaces using EdgeFrontier or BizTalk Server

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**The Interoperability Framework for CAD lets you choose the integration approach and flexible options that make sense for your agency.**

**CHOOSE YOUR INTEGRATION PLATFORM**

<table>
<thead>
<tr>
<th>EdgeFrontier</th>
<th>Microsoft BizTalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rapid interface development is important.</td>
<td>Customers have an existing BizTalk infrastructure.</td>
</tr>
<tr>
<td>Robust support options are needed.</td>
<td>Enterprise-class message is bus required.</td>
</tr>
<tr>
<td>There is a constantly-changing environment.</td>
<td>Large complex external message formats (e.g., NIEM) are involved.</td>
</tr>
<tr>
<td>Broad connectivity options are needed.</td>
<td>Complex workflows are required.</td>
</tr>
<tr>
<td>Ease-of-use and common skill set are important.</td>
<td>Stringent requirements for redundancy and fault tolerance exist.</td>
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**ABOUT INTERGRAPH**

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph’s industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer and smarter. The company’s software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation and data management of plants, ships and offshore facilities. Intergraph SG&I provides geospatially powered solutions, including ERDAS technologies, to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is a wholly owned subsidiary of Intergraph Corporation responsible for the SG&I U.S. federal business.

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