



Joining Forces to Provide Valuable Tools that Increase Responder Situational Awareness and Enhance Command and Control

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Protective measure best practices that enable firefighters to function with a shared common operating picture and emergency streaming technology that enhances response efforts during a critical incident.

Chantilly, VA. Public safety professionals are routinely called to service while facing complex variables in unstable locations. Often the emergency incident location is a building or structural complex with antiquated floor plans and ingress or egress challenges. Or the incident may be large scale mass casualty with integrated law enforcement response. Firefighters and Officers know all too well that different facilities in their area of responsibility use different types of blueprints, building footprints or floor plans, thus exacerbating the response problem. Situational awareness at complex multifaceted events can also be challenging. When responding to unfamiliar locations firefighters and paramedics must look to new solutions that reduce complexity to finding the incident location and simplify communication on scene.

IPSDI and Critical Response Group, Inc. have joined efforts to make solutions available to increase situational awareness, reduce response times, and improve command and control during large scale, complex, and multi-disciplinary events.

Leveraging Two New Solutions to Provide Life Saving Insights

Collaborative Response Graphics® (CRGs®) are standardized, site-specific and geo-rectified common operating pictures that combine facility floor plans, high resolution imagery and a gridded overlay together. Recognizing the array of emergency platforms deployed throughout the public safety market, CRGs are open-ended and purposely designed to integrate with preexisting, collateral and ancillary systems like paper blueprints or building floor plans as a geo-rectified mapping layer. CRGs can be uploaded into Computer Aid Dispatch (CAD) software platforms, integrate easily into any third-party systems and can be printed in a variety of sizes for use in command posts or first responder vehicles. When combined with certain tracking applications, firefighters can be tracked on the graphics for even more enhanced command and control.
<https://youtu.be/10aqhbY3AKI>

911eye is an emergency streaming service that enables a caller with a smartphone to send live video into a PSAP or fire department dispatch. The video footage can be shared, in real-time, to mobilized firefighters which provides better situational awareness prior to and after arrival... and helps to preemptively summon the correct resources to a scene. **911eye** is a single-use link that allows the caller to immediately share their location (dynamically updated), video, photos and texts. There is no app required and no data is stored on the caller's phone. Data received is securely catalogued and stored in the Microsoft Azure Government cloud, allowing fire departments to easily retrieve the information for later use. **911eye** can be implemented in a matter of hours and is also a perfect solution to fire-based EMS telemedicine needs. <https://youtu.be/yBPUQUBY7k4>

About CRG

United States Military Special Operations Force (USSOF) faced the challenge of operating and communicating about unfamiliar locations with diverse groups and nationalities while under stress during counter-terrorism missions. Similar to dynamic emergency situations firefighters and law enforcement officers confront, USSOF deal with chaotic operations and collaborate with partners who may not share a common background. To solve that problem, USSOF developed a visual communication tool, called a Gridded Reference Graphic (GRG), that combined a grid overlay with high-resolution overhead imagery so mission participants could communicate from a site-specific common operating picture. The principles of a GRG were expanded and pivoted for domestic use as a Collaborative Response Graphic, or CRG.

CRGs are built for any facility, including schools, places of worship, hospitals, airports, government buildings, prisons, parks, corporate facilities, theme parks, and other critical infrastructure, and are regularly used for pre-planned and emerging events.

911eye originated as a collaboration between the West Midlands Fire Service and technology company, Capita in England. West Midlands recognized the need for a tool to reduce inherent risks prior to arriving at fire scenes, and Capita provided their expertise to turn a prototype into a cutting-edge technical solution. Capita and Critical Response Group partnered to make the technology available across the United States.

Critical Response Group's team is a mix of decorated and combat-tested USSOF officers and senior public safety executives committed to providing non-theoretical perspectives and emergency response solutions.

About IPSDI

The IPSDI is a 501(c)(3) nonprofit organization formed by a collaboration of fire service, research, policy, and academic organizations. The IPSDI mission is to enhance public safety resource deployment and operations by using data analytics to provide actionable life-saving insights. The expert team at the IPSDI includes fire service leaders, researchers, developers and data scientists who have combined more than 200 years' experience in their fields. IPSDI data tools include FireCARES and NFORS Analytics and NFORS Exposure Tracker.

To schedule a Demo for your department visit:

CRG Demo: <https://ipsdi-crg.eventbrite.com>

911eye Demo: <https://ipsdi-crg-911eye.eventbrite.com>

For Additional Information:

<https://i-psdi.org/>

<https://www.crgplans.com>