

MASAS at Glance

(Features and Benefits)

Multi-Agency Situational Awareness System (MASAS) was created in response to the growing need for accurate, verified, real time data from multiple sources, leading to more complete and accurate situational awareness in incidents or events concerning public safety. **Built for purpose, it is the only proven and scalable Canada-wide online public safety situational awareness system, operated and overseen by a national not-for-profit that is dedicated to public safety.**

Icon	Title	Feed	Author	Status	Severity	Category	Updated	Expires
	Drive BC Webcam - Kelowna	Overlays	MASAS-Team:Support				Jul 1 12:24:27	Dec 31 18:59:59
	DriveBC Webcam - WR Bennett Bridge 11	Overlays	MASAS-Team:Support				Jul 1 12:32:59	Dec 31 18:59:59
	NL DOTW Hwy Cam - Foxtrap	Overlays	MASAS-Team:Support				Jul 1 12:49:14	Dec 31 18:59:59
	NL DOTW Hwy Cam Paddy's Pond	Overlays	MASAS-Team:Support				Jul 1 12:51:30	Dec 31 18:59:59

BENEFITS

- By improving situational awareness with data provided by public safety professionals, MASAS reduces the time required to verify sources, and ultimately reduces the workload and costs associated with public safety events and incidents
- Improved or enhanced situational awareness allows for a more targeted, effective, safe and efficient response to public safety events or incidents
- MASAS supports looking ahead in time, to mitigate planned event conflicts days, weeks, months in advance
- MASAS facilitates sharing persistent situational awareness information
- Centralizing data and information related to any event or incident reduces the costs associated with all stages of mitigation, prevention, response and recovery
- U.S. data is already linked and shared with MASAS through IPAWS which creates cross border situational awareness.
- CanOps' MASAS not only provides an online tool for situational awareness, it also creates a public safety community of practice, connecting professionals across the country
- As a nation-wide system, MASAS information can be immediately available to any public safety organization across the country
- Space Weather and Environment Canada information is automatically updated in MASAS
- With MASAS already having been through the proof-of-concept phases, there has already been a great deal of quality training and education information created on how to use and interact with the system, and this will be made available to all subscribers under the CanOps-MASAS business model
- If an organization does not have its own developers and requires integration and interoperability support, MASAS is able to provide technical assistance under the CanOps subscriber model

CanOps is a national not-for-profit organization that provides a trusted framework of operational supports and related governance to advance and deliver highly relevant national public safety programs, products and services. As a member-based and broadly representative organization, the CanOps governing members are able to make strategic decisions with collective impact, streamlining and expanding funding options, simplifying oversight and ownership, improving efficiency, and advancing effective technologies, operating models and closer integration across the Canadian public safety system.

FEATURES

- The simple structure and usability supports ease of adoption for new participants, and with a common toolset within its online environment, users do not need to worry about complicated coding or having their own tools
- The online availability and design of MASAS provides a mobile friendly solution making it fully transportable for front line operators
- The source code is available to developers in order to reduce their costs and time to become interoperable with other related solutions
- The system has been built for the Common Alerting Protocol – Canadian Profile (Cap-CP) and utilizes standard xml code, allowing users to embed code from other systems into MASAS and/or to extract MASAS data and add it to other systems
- For each event or incident, there is the ability to add location information, details, links, contacts, and attachments such as documents and videos
- MASAS works effectively with Computer Aided Dispatch systems
- The maps in MASAS are available in real-time
- In addition to being able to pinpoint a specific pre-set map location such as a city, town or intersection, MASAS allows users to define a geographic area using a built-in set of tools
- The system allows for a start and end time to be applied to information posted, which can be useful for events that span a specific timeframe
- The system is valuable for incidents or occurrences both large and small, making it useful for local, regional, provincial and federal bodies
- MASAS includes numerous custom applications that are able to monitor situational information sources, and to capture, convert and maintain that content in MASAS. Custom user-defined applications can be replicated to deliver the same benefits to interested others
- The information available and displayed within MASAS can be filtered in both standardized and user-defined ways to meet various operational priorities and to streamline data presentation
- The developer's "sandbox" is available to allow vendors the opportunity to test for interoperability before deploying live solutions with their clients

WHAT MASAS CAN BE USED FOR:

- Bring immediate and broad awareness to all those with a role to play in responding to emergency incidents
- Help reduce response times and improve the safety of responders
- Prepare for, and mitigate, resource conflicts before and during planned events (e.g. marathons, festivals, etc.)
- To communicate operations information on maps showing major incidents and planned events
- Share incident response and recovery operations status and activity
- To build exercises and/or training inputs
- Communicate weather, earthquake and space weather alerts for vital context
- Be an authoritative source of situational information associated with critical infrastructure throughout the country

WHO CAN BENEFIT FROM MASAS:

MASAS is fully interoperable with commercial and custom public safety applications, bridging the gap between multiple information sources including: Geographic Information Systems (GIS), Computer Aided Dispatch systems (CAD), forest fire management systems and exchange, emergency vehicle routing systems, collaboration software, e.g. SharePoint and more.

Those that can benefit *by using* MASAS include: Those that benefit *from the use of* MASAS

- Public safety professionals at all levels of government
- Critical Infrastructure operators
- Non-Governmental Organizations
- Officials responsible for Public Safety at all levels of government
- Public Safety Organizations and their members
- Public Safety Associations
- Communities
- The Public

Becoming a MASAS Subscriber

MASAS is a dynamic online tool that requires ongoing maintenance and development, as well as administration. During the pilot phase, MASAS was owned and maintained by DRDC CSS, with funding coming from the Canadian Safety and Security Program (CSSP), led by DRDC CSS in partnership with Public Safety Canada.

Now that the pilot phase has concluded, and in order to build a sustainable model that currently meets the needs of subscribers and continues to advance to address future requirements, a new model is required. CanOps is utilizing a flexible and scalable subscription-based pricing model that works for organizations large and small. This reduces the barrier to entry, and ensures a community of users from across all sectors of public safety.

To find out more or to become a subscriber of MASAS please contact:

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