

STRATEGY

SISE Use Case Advisory Committee

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Vision (pick 1)

Creating a new way for industry and government to coordinate and communicate during regional disaster response efforts

Creating the next generation of disaster response and information sharing.

Moving information faster to restore communities and business following regional incidents.

Enhancing disaster response decision making with better data

Reliable, organized and focused data to support 30 second decision making during regional emergencies

Mission (pick 1)

To create a mechanism to expedite situational awareness and decision making in the public and private sectors

To create a data decision making framework of partnerships, sector use cases, data and technologies that reduce decision times to 30 seconds in specific cases.

To create and facilitate an enabling framework that allows private and public sector to develop a mechanism that leverage public and private sector expertise, investments, best practices, and data sets to enhance situational awareness, decision making and trust.

Purpose

The purpose of the 3DM (Data Driven Decision Making) Use Case Advisory Committee and the SISE (Sensitive Information Sharing Environment) is to create and facilitate a framework to share operational information between operational personnel in private and public sectors to assist, support, and better understand emergency response for different *Use Cases* in order to help to keep selective participants on the same page/map before and during an event/incident.

We want to create a mechanism to merge reliable and trusted information from different sources to provide decision makers (sector, company, and/or department) a view of the situation to make decisions faster during various operational modes (e.g. blue sky, grey sky, dark sky and catastrophic).

This 3DM initiative is creating the planning framework to produce sector focused operational "use cases" based on real world experiences in order to better organize and focus data and information to support public and private sector decision makers with specific data/information that benefits the users and their sector, company, and/or department.

The three areas of focus are on Situational Awareness, Resource Movement, Damage Assessment, and Resource Movement. Following are brief descriptions as guidance;

- Situational Awareness – information that is needed to determine if you continue schedule activities, or move to a preparation, and/or response mode associated with internal/external incident(s).
- Geographic Assessment – high level view of an incident (i.e. weather event) and the impact it's having on a geographic footprint and what might be expected as it moves to another area. Example could be real time weather with winds (sustained, gusts), flooding, road conditions, outages with additional layers depending on sectors.
- Emergency Response – Movement of any resources (equipment, personnel, supplies, etc) that are needed in preparation for or an actual impact for emergency purposes. Activity that would not normally occur during normal operations or an increase in activity due to the incident(s).

Note: This is not to replace an entities internal dashboard for their footprint but to enhance it by supplying a jurisdictional, regional, and/or national overview.

Strategy

This strategy focuses on having SISE Dashboard that accesses all the needed information to assist sectors in making initial quick decisions using reliable information from trusted sources.

While the final product will be to go to one product to get all the information needed for Situational Awareness, Regional Assessment and Emergency Response. There will be products such as Fleet Move Open/Close that will take time to layer. So the SISE Dashboard will give direct access to all the products, processes, and guidance that are available.

Utilizing the SISE Use Case Strategy, GeoCollaborate® Spreadsheet and Use Case Template documents, this will allow us to capture existing and potential information that is needed by sectors for the purpose of emergency response that enhances their existing internal products.

Operational Readiness Levels (ORLs) were develop for the following purposes;

Commented [JS1]: These are not in the order of importance. They are more in the order of going from blue sky day to catastrophic day

Commented [JS2]: Damage Assessment feels to incident specific, what we are looking for is a regional or even national assessment so I am recommending we consider changing the name

Damage assessment" means an individual assessment at a specific location in my service territory so crews know what they need to make repairs.

Additional considerations, Damage Conditions or Damage Summary or Event Impacts

Commented [JS3]: Same for Resource Movement, I would like a more generic term such as Emergency Response to be broader in scope such as Emergency Response. This would include any response (movement) that either occurs today or in the future

Commented [JS4]: These name may change according to what we decide in prior section

Commented [JS5]: Change this section to Operational Readiness Levels (ORL) 1 to 4

Originally drafted as follows but changed to ORLs

Our strategy will be broken into three parts;

- Short Term – information that is immediately available that can be used to benefit each sector.
 - Start recognizing common information that can be used cross sector or common among the same sector (Primary and Alternate layers).
 - And document other information to be considered for other links in the SISE Dashboard or future layers.
- Mid Term – Adding additional layers by sectors that better enhance information due to a geographic footprint.
 - Continue documenting other information to be considered for other links in the SISE Dashboard or future layers.
- Long Term – ideally have the dashboard developed where the information supplied by sector meets all the primary information and allows alternate layers to be added to have situational awareness, geographic assessment, and emergency response

- A quick way of indicating the Operational Readiness of Specific Datasets.
- Simple scale for rapid adoption by Ops analysts & decision makers.
- Communicate clear status of dataset/service.
- Period of Testing and Verification via SISE/FRWG GeoCollaborate® Dashboard and RT collaboration sessions.
- Contact with data curator/provider essential (need to know who collects, curates and publishes this data).
- Make sure we get the data from the TRUSTED source.
- Identify Issues with the data. Provide those issues with ORL Level (i.e. if server is down on weekends it doesn't get fixed until Monday or 24/7 support available).

The ORLs consists of four levels as described below:

- **ORL 1**
 - Data is available NOW.
 - Immediate decision making.
 - Person available to contact.
- **ORL 3**
 - Data available sporadically
 - Event-driven, may be delayed due to acquisition and processing time required.
 - Could be very useful for Situational Awareness (SA) & Decision Making (DM).
 - Person available to contact.
- **ORL 3**
 - Data nearly operational, testing phase.
 - Data not guaranteed.
 - Could improve Situational Awareness (SA) & Decision Making (DM).
 - Target operations in 6-12 months.
- **ORL 4**
 - Data in collection, processing and/or testing phase.
 - Being evaluated for accuracy, validated.
 - Target for operations 12+ months.
 - Not likely to be immediately useful for operations.

Documented List of Reference Applications

- AHC Storm Central Website
- AHC Open/Close App Website
- AHC Fleet Move App Website
- AHC GeoCollaborate Daily Dashboard

SISE Use Case Definitions

1. 3DM (Data Driven Decision Making)
2. SISE
3. SISE Dashboard
4. Stakeholders
5. Operational Guide

6. Operational Mode

a. Blue Sky (no pending threat)

- i. Monitoring of threats that could impact normal operations
- ii. e.g. weather forecasts, activities in my company, my region, my sector, my dependent sectors
- iii. No pending threat
- iv. Conducting normal trouble calls and day-to-day activities

b. Grey Sky (pending or possible threat)

- i. Continued Monitoring of threats that could impact you or customers
- ii. Making sure your organization has situational awareness on emerging threats
- iii. Staging resources to respond

c. Dark Sky (threat is actively impacting you / customers)

- i. Continued Monitoring events
- ii. Activating / deploying resources
- iii. Possibly looking for mutual assistance support from others
- iv. Coordinating with government & trade associations
- v. E.g. state transportation, emergency management and law enforcement
- vi. Federal agencies and advisory bodies (if applicable)
- vii. Trade associations

d. Catastrophic (threat is actively impacting you/customers & causes cascading systems failure)

- i. Continued Monitoring events
- ii. Coordinating mutual assistance
- iii. Monitoring federal/state government activities to support power restoration, transportations networks, public safety & health, supply chains, shelters, water/waste water, etc...)

Documents used with Strategy

- Use Case Template
- GeoCollaborate® Spreadsheet – documents sector information requests for layers
- 3DM Sector Use Case Spreadsheet

Documented List of Reference Guidance and Products

- Canadian Border Crossing Process Operational Guide
- Energy Liaison Officer (ELO) Position Operational Guide
- RMAG FRWG Engagement Operational Guide
- Regional Fleet Movement Coordination Process Guide
- State Requirements for Multi-State Fleet Movements Operational Guide
- Expediting E-ZPass Toll Station Operational Guide
- Hours of Service Exemptions Guidance

Commented [JS6]: These will be sector specific but for the purpose of the document I listed the ones we have