

AGENDA

- MABAS Intro
- Salamander Intro
- Solutions and Workflows
 - RapidTag
 - SalamanderLive
 - People
 - Equipment
 - Events / Reports



WELCOME



Salamander ensures the right **resources**, are at the right **place**,
at the right **time**, with the right **credentials**.

MABAS Overview

Where we came from, where we are today

**THE MUTUAL-AID
BOX ALARM SYSTEM,
OR MABAS** as it is commonly
known, was formed in 1968 in the
northwest suburbs of Chicago. Captain
Donald Kuhn of the Elk Grove Village
Fire Department proposed the system
and managed its implementation.



MABAS Overview

Where we came from, where we are today



Structured on Chicago box alarm cards

that preassign the engines, trucks, squads, ambulances, and chiefs (and any other specialized equipment) to respond on a given level of alarm, MABAS adopted this simple model and still uses it today.

MABAS Overview

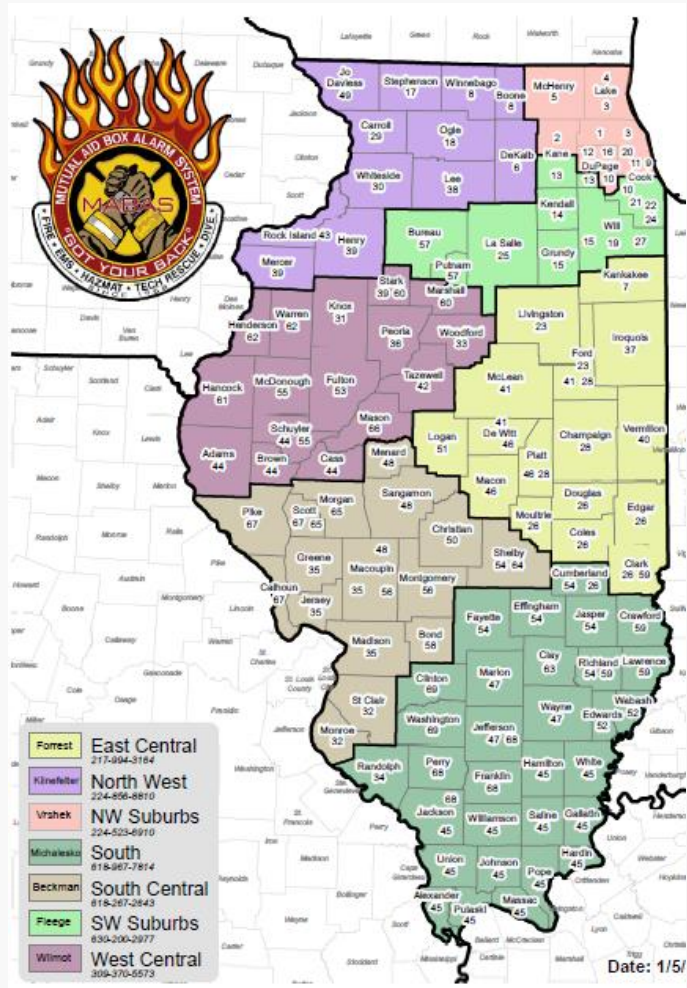
Where we came from, where we are today

MABAS grew, and member departments were organized into divisions in the early 1970s. Chicago-area divisions serve a dense area; departments within the division serve a geographic portion of the metropolitan area without regard to county boundaries. These divisions usually consist of 12 to 20 departments. Typically, once outside the immediate Chicago area, divisions are comprised of one or more counties.



MABAS Overview

Where we came from, where we are today



MABAS has

- 69 divisions within Illinois
- 7 Regions each managed by a MABAS Branch Chief.

MABAS Overview

Connection with IPWMAN and MABAS

2017



Salamander Overview

This overview sets the foundation explaining the true benefits of Salamander



Something About Salamander

Currently focusing heavily in seven verticals proliferating INTELLIGENT ACCOUNTABILITY™ for those in need

Founded in 2001, Salamander was originally designed by First Responders for First Responders . . .

Evolution of INTELLIGENT ACCOUNTABILITY™

- Manual accountability
- Digital accountability (software)
- Digital accountability (cloud)



[LINK TO CUSTOMER SUCCESS STORIES](#)
[CLICK HERE](#)

INTEROPERABLE

1

Fire & Rescue

Mutual Aid Box Alarm System (MABAS) and thousands of Fire Departments

2

Emergency Management

Thousands to choose from in both State and County

3

Law Enforcement

Santa Clara Police, St Paul Police, and South Carolina Law Enforcement Division

4

Public Health

Northeast Colorado Health Department and Hennepin Public Health

5

Education (K-12, Higher Ed)

Michigan State University, Kansas State University, and University of South Carolina

6

Business & Commercial

Michigan State University Museum, Allied Physicians Surgery Center, and Northwest Regional Development Commission

7

Events

U.S. Open, X Games, Alpine Ski Championships, and Super Bowl

What is a Credential?

A credential is defined as: a document or certificate proving a person's identity or qualifications.

- In our case, the credential is more than a Unique Identifier that links to a profile
- With our credentialing, we provide the ability to read it through a QR code
- We place it on whatever needs to be identified
- In our world, we credential more than just people, but also equipment and assets
- Then we track that credential . . .

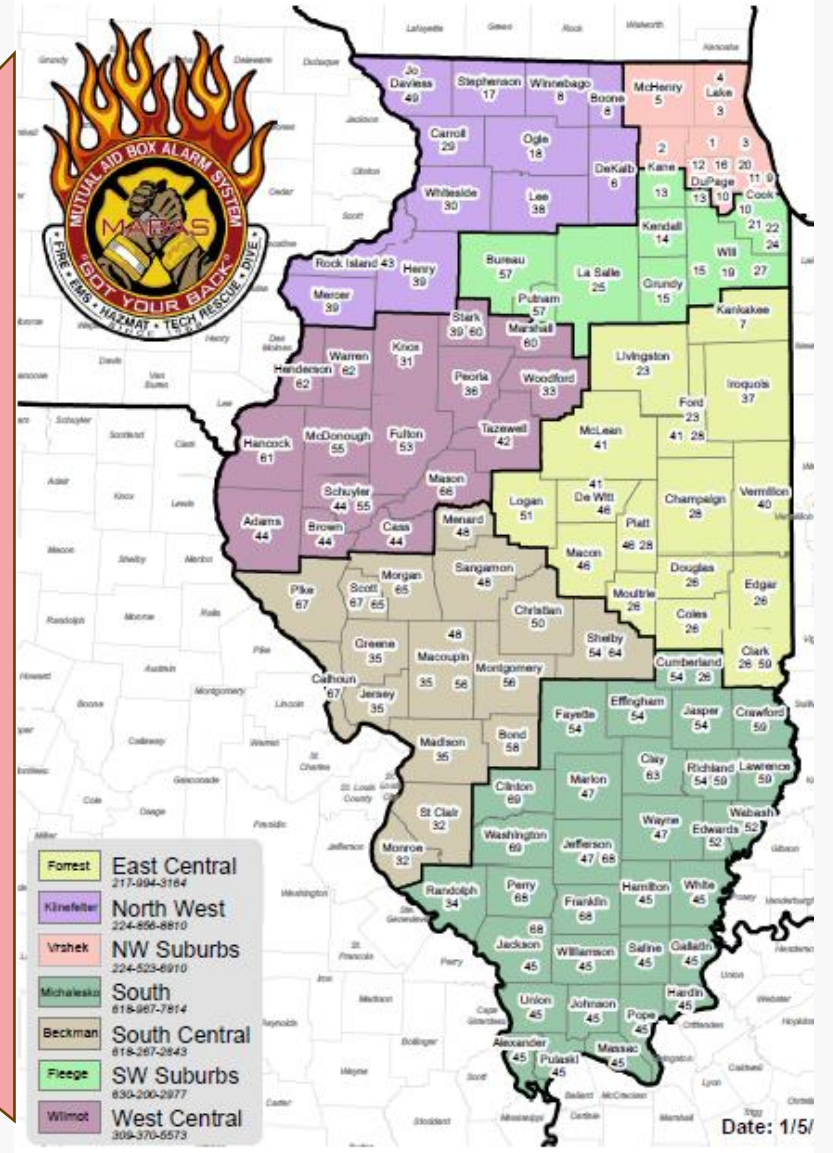
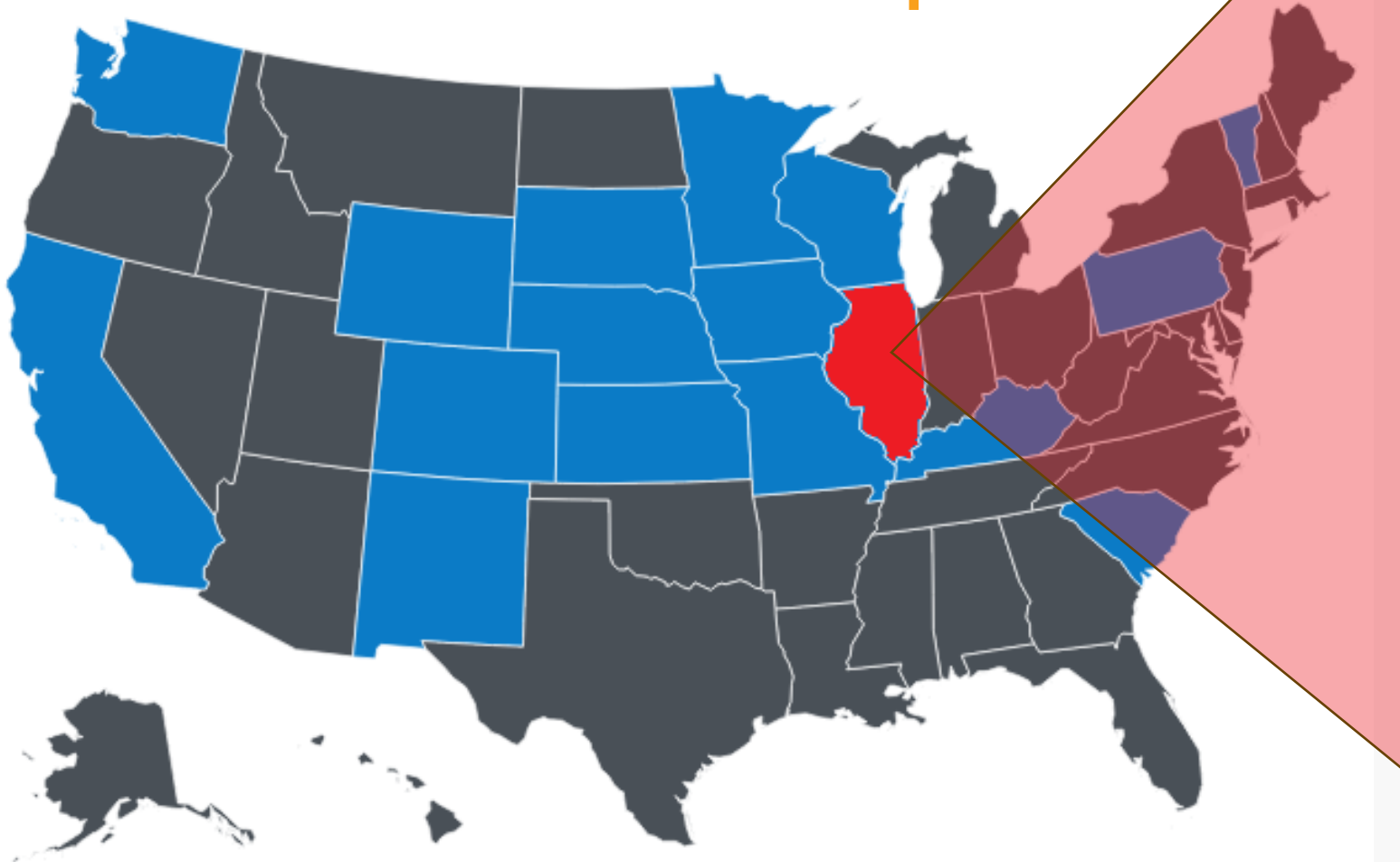


Why So Important? **INTEROPERABILITY!**

We take credentials and make them accessible across organizations

- Resource information is stored in the QR code, creating a mobile database, containing name, title, organization, qualifications, and certifications
- Any organization with Salamander tracking solutions can scan any other organization's Salamander credentials
- The information is accessible in a comms-out environment
- Multiple organizations can account for their own, and each other's, resources during the same event

Salamander and MABAS Partnership



OUR FOCUS



Administrative Accountability

- Personnel Management
- Organization Management
- Asset Management
- Qualification Management
- Training Management
- Document Management

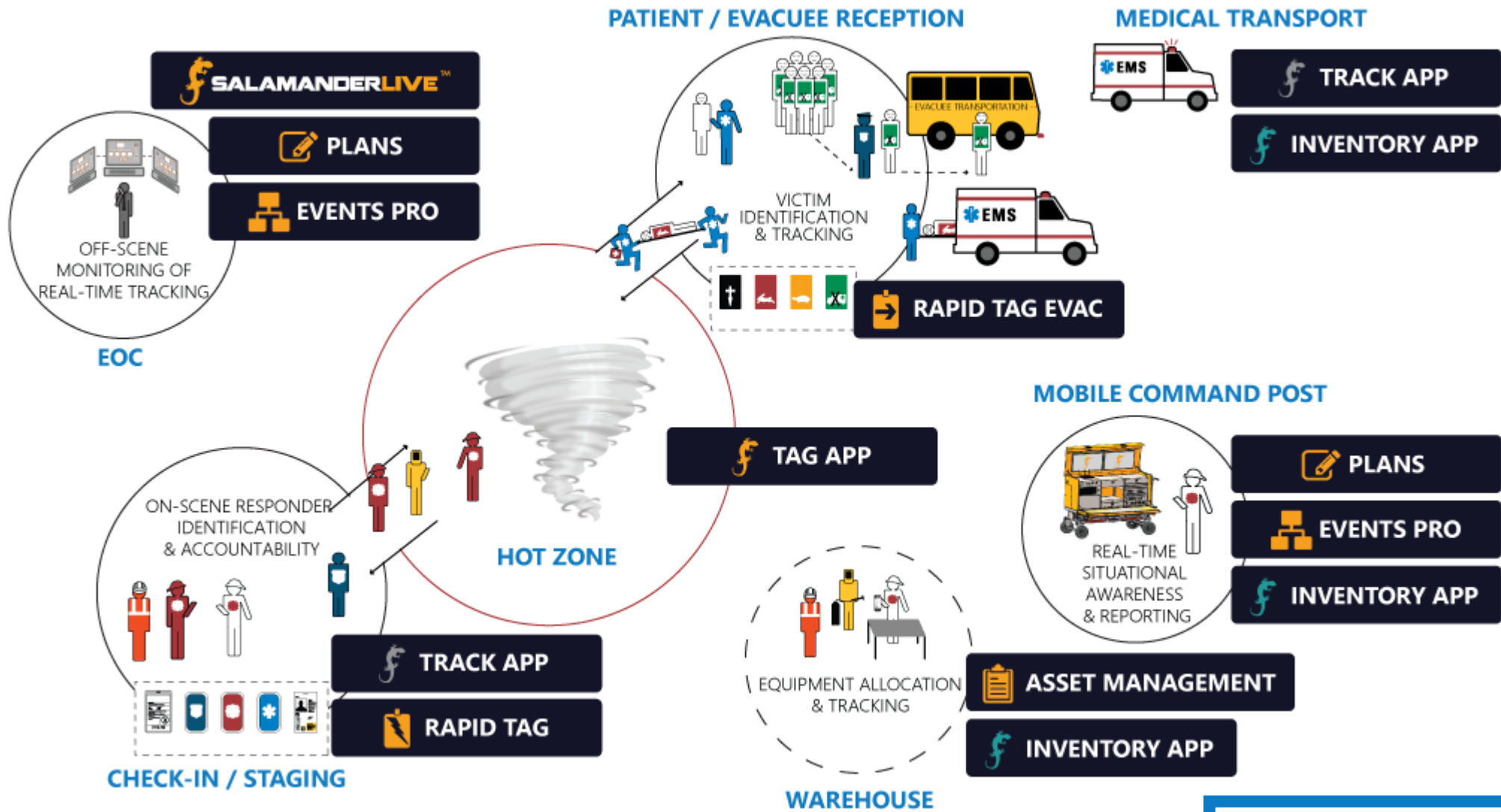
Large Scale Accountability

- Plan Management
- Event Management
- Rostering
- JIT Accountability
- Pre-Credentialing
- Mutual-Aide Management

Every Call Accountability

- CAD Connectivity
- Rostering
- In-Field Check-in
- Event Management






[LINK TO HOW IT WORKS](#)
[CLICK HERE](#)

Print Control

Centralize and Secure













Ensure that you have complete control over who is printing your tags and where they are printing them from.

- Control what computers can print Salamander tags
 - Centralize printing to save time and money
 - Store custom tag designs to ensure design consistency throughout multiple organizations
-

Salamander TAG Standards

This is the standard used throughout the Salamander footprint.

<p>Government Organization</p>  <p>Issued: 12/5/2014 Expires: 1/1/2016 Mayor</p> <p>Amalia Sanna Gov</p>	<p>City Fire Dept</p>  <p>Issued: 12/5/2014 Expires: 1/1/2016 Fire Fighter</p> <p>Vincent Rush Fire</p>	<p>County Sheriff's Office</p>  <p>Issued: 12/5/2014 Expires: 1/1/2016 Deputy</p> <p>Mari Garfield Law</p>	<p>County Public Health</p>  <p>Issued: 12/5/2014 Expires: 1/1/2016 Director</p> <p>Cedric Clifton Health & Med</p>
 <p>Radio 201</p> <p>Kansas</p>	 <p>Radio 201</p> <p>Kansas</p>	 <p>Radio 201</p> <p>Kansas</p>	 <p>Radio 201</p> <p>Kansas</p>
<p>County Emergency Mgmt</p>  <p>Issued: 12/5/2014 Expires: 1/1/2016 Director</p> <p>EM</p>	<p>Private Organization</p>  <p>Issued: 12/5/2014 Expires: 1/1/2016 Employee</p> <p>Angelique Breckinridge Private</p>	<p>Military Organization</p>  <p>Issued: 12/5/2014 Expires: 1/1/2016 Captain</p> <p>Wilson Simms Mil</p>	<p>Volunteer Organization</p>  <p>Issued: 12/5/2014 Expires: 1/1/2016 Volunteer</p> <p>Cynthia Rossem Vol</p>
 <p>Radio 201</p> <p>Kansas</p>	 <p>Radio 201</p> <p>Kansas</p>	 <p>Radio 201</p> <p>Kansas</p>	 <p>Radio 201</p> <p>Kansas</p>

A printed QR Code is static however with Salamander's Identity Verification (SIV) you are notified if there are changes to the credential.



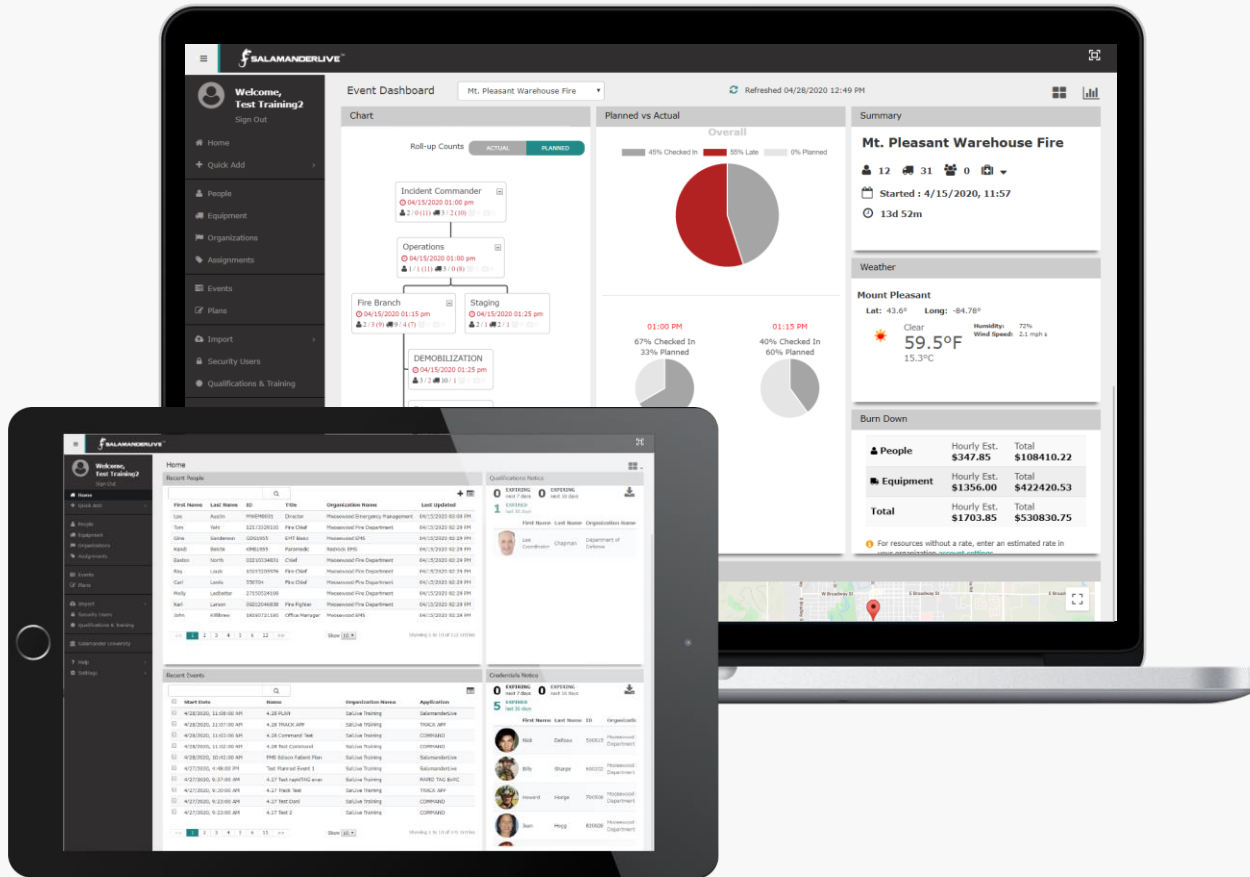
Feature Details

	TAG	TRACK	REPORT
RAPID TAG	X	X	
RAPID TAG EVAC	X		
TAG APP	X		
ASSET MANAGEMENT	X	X	X
INVENTORY APP	X	X	X
PLANS		X	X
EVENTS PRO		X	X
GIS MAPPING / ESRI	X	X	
TRACK APP		X	
SALAMANDER IDENTITY VERIFICATION (SIV)		X	
COMMAND		X	
Manual Accountability	X	X	
REPORTS			X





This web-based tool is the core of INTELLIGENT ACCOUNTABILITY™. From creating interoperable TAGs to providing optimal situational awareness at events, SalamanderLive™ is at the center of it all.



Web-Based Resource Management

- Manage organization hierarchy
- Manage personnel data including generic employee information, location / contact, medical, qualifications / training, and more
- Manage equipment data including generic details, purchasing, location / contact, alerts, qualifications, and more
- Create and manage collections by adding personnel, equipment, and collections
- Create and manage assignment lists
- Print interoperable credentials

Event Management

- Information collected from the field is pushed into SalamanderLive
- Create a common operating picture for all organizations involved
- Have increased visibility to what resources are on-scene
- Access event costs (people and equipment) in real-time

RAPID TAG – Lake in the Hills

PC based applications that have been proven on countless events over the years

Just-In-Time Credentialing and Accountability

Quickly and accurately create event-specific IDs and automatically TRACK responders, volunteers, mutual aid, and equipment involved.

- Pull data from driver's licenses to create interoperable IDs in a matter of seconds
- Contains a unique barcode for automatic identification
- Has the ability to contain resource information
- Easily assign resources to a site location via EVENTS PRO
- TRACK volunteer hours down to the second
- Excellent in staging area and reception environments

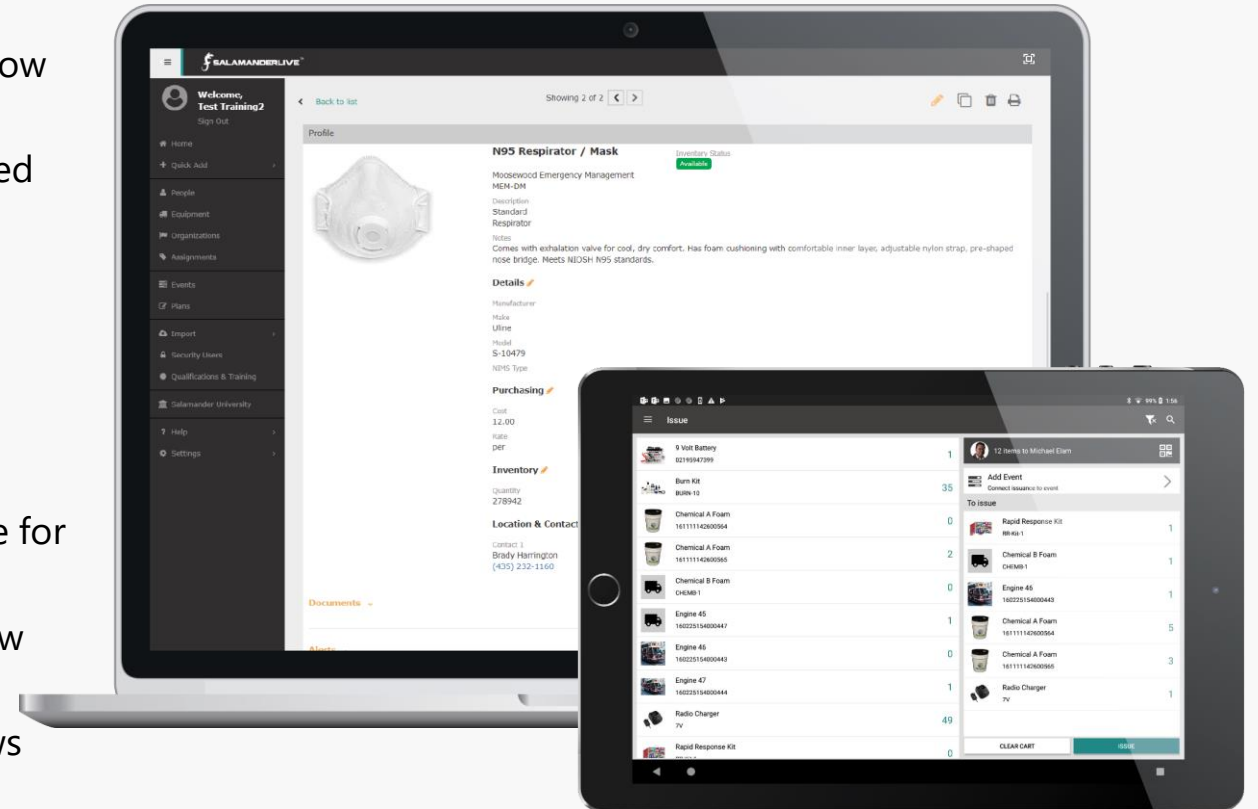


ASSET MANAGEMENT

Manage Assets In SalamanderLive

Have real-time access to your invested assets. Import assets into the equipment database and store a vast amount of data within each asset's profile. Set alerts to be reminded to perform tasks and receive alerts when consumables go below reorder quantity.

- **Maximize Your Invested Assets** - Increase your visibility to know what assets are on hand and are ready to be assigned
- **Instantly Locate Assets** - See from afar where assets are located to easily request them, as needed
- **Assign Assets to Personnel** - Attached assets to personnel to know who has what and when it was assigned to them
- **Keep Assets Up-to-Date and Ready** - Set alerts to be notified when assets need to have maintenance, inspections, and more performed on them
- **Ensure Assets are Certified** - Add an issue and expiration date for each asset to easily track when assets need to be re-certified
- **Efficiently Manage Assets** - Use the numerous reports to know the status of assets, location, assignment, condition, and more
- **Maintain Accountability** - Attaching assets to personnel allows users to know who is responsible for items on and off premise



TRACK

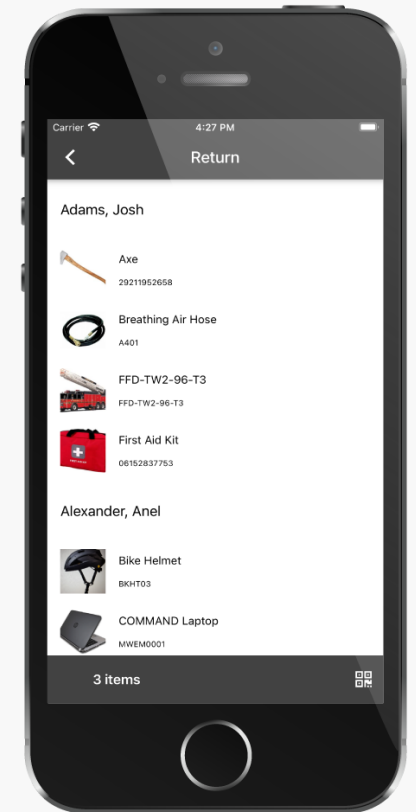
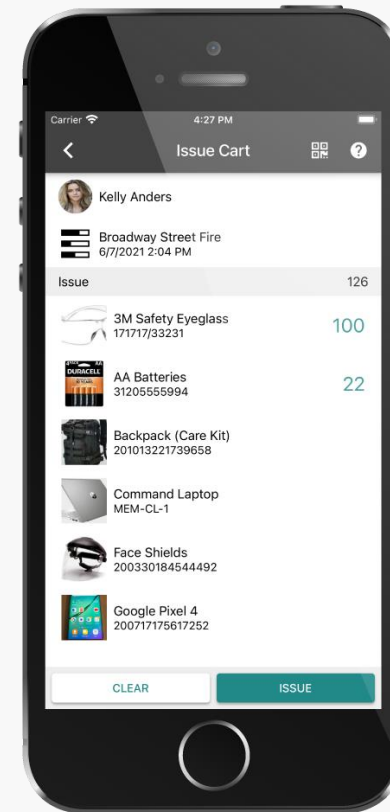
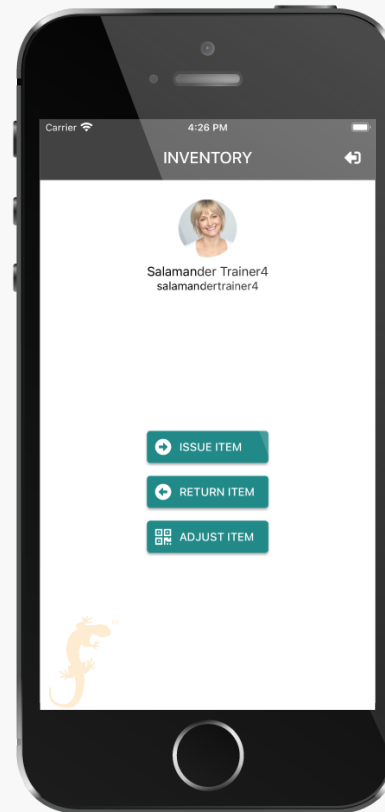
TAG

INVENTORY APP

Take Salamander mobile and manage your inventory where they are located

Issue, return, adjust, and audit assets within the app to track the issuance and return of equipment as well as adjust on-the-fly. Know which people have been assigned assets and link the issuance of an asset to an event.

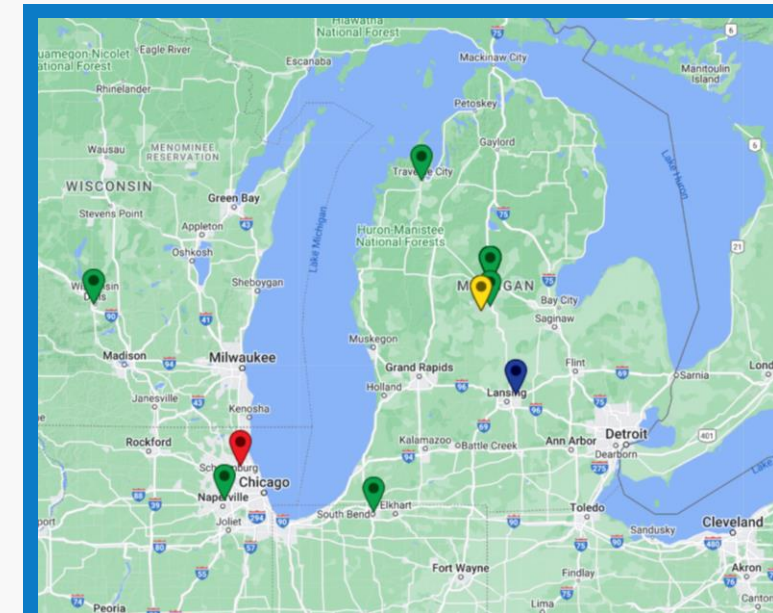
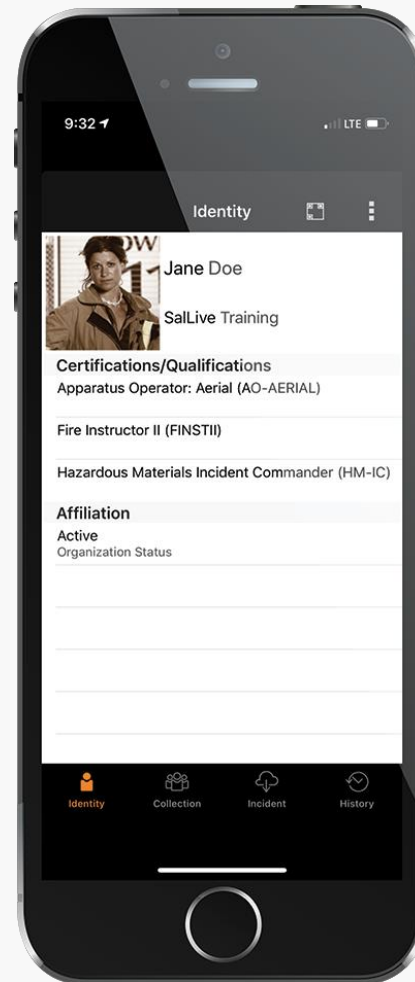
- Easily know where equipment is at, at all times
- Associate issued equipment with an event
- Easily update the status, quantity, image, and add comments on assets
- Run reports through SalamanderLive



TAG APP

Automatically updates SalamanderLive™ with responder activity for accurate and detailed reporting

- Check-in to the INTELLIGENT ACCOUNTABILITY™ system from anywhere using the power of their Android or iOS smartphone.
- Know which responders are in-bound in real-time
- Know when responders are safely demobilized
- Receive assignment updates on your smartphone
- Check-in as either a resource or collection



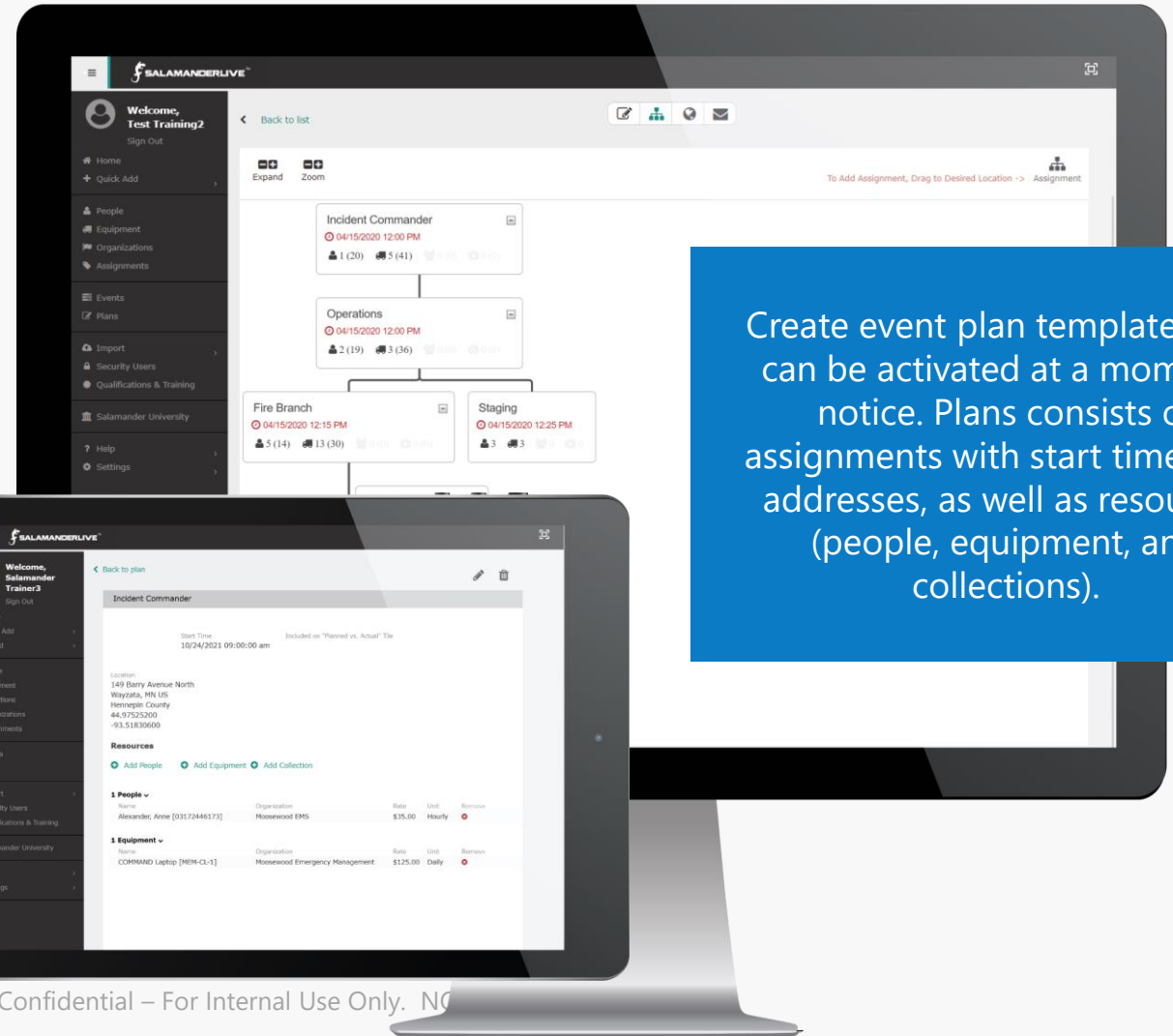
The TAG APP is equipped with GIS functionality and can capture GIS information. This means that it can provide visibility on where (physically) a resource is at when needed.

PLANS

Manage PLANS In SalamanderLive

Be proactive and save valuable time by pre-planning for events with this easy-to-use interface. With a click of a button turn your plan template into a live event and start accounting for resources immediately.

- Prep unlimited event templates that can be activated multiple times
- Ability for multiple users to work (add & edit) on the same plan
- Stage assignments with start times and physical addresses
- TRACK the number of resources within a planned assignment
- Email special instructions and communication to pre-planned personnel
- Have visibility to pre-planned resources cost rates (individual or account)
- View actual vs planned data on event tiles



Create event plan templates that can be activated at a moments notice. Plans consists of assignments with start times and addresses, as well as resources (people, equipment, and collections).

TRACK

EVENTS PRO

Manage Events In SalamanderLive

INCLUDED IN PLANS OR SOLD SEPERATELY

TRACK

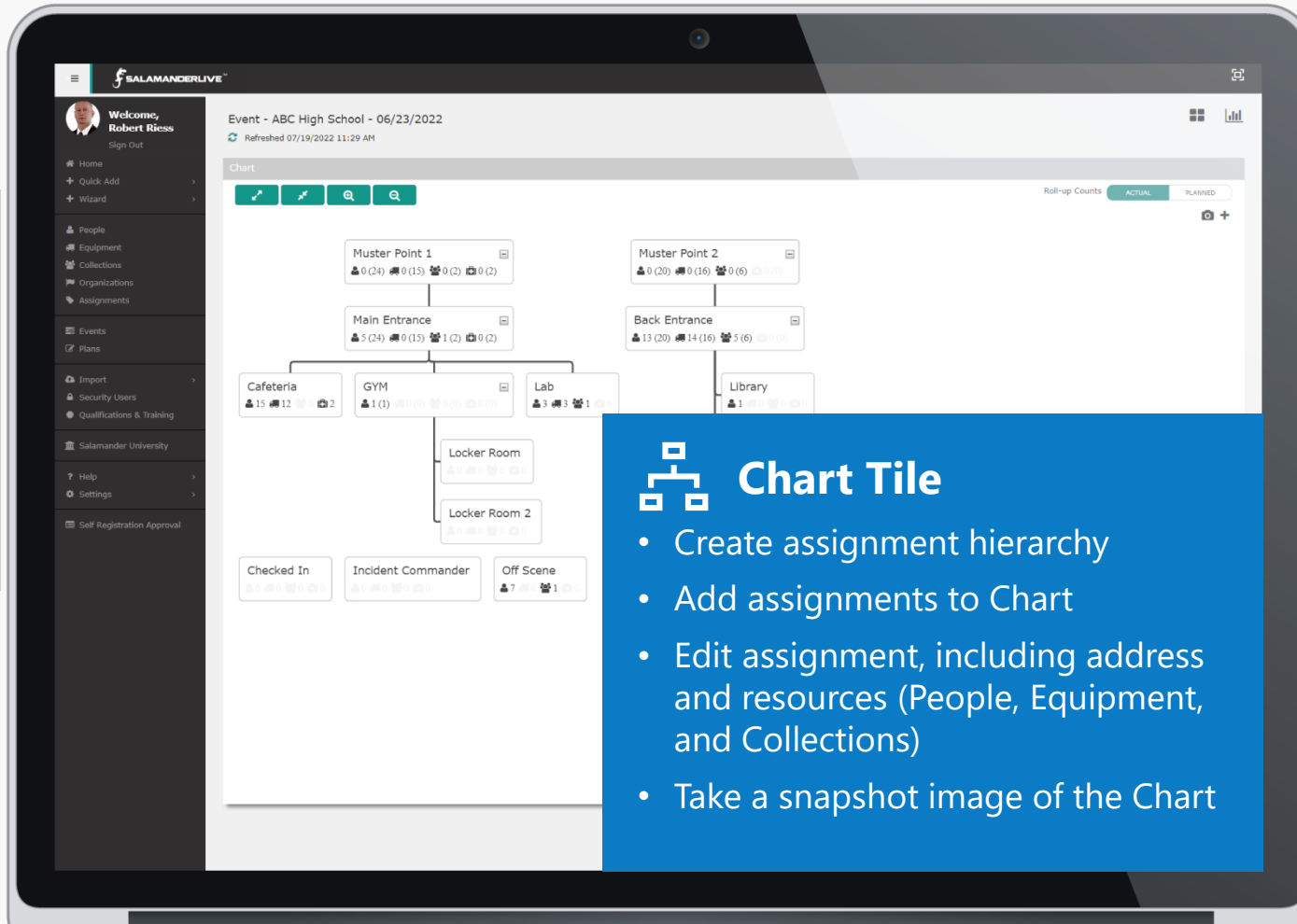


Chart Tile

- Create assignment hierarchy
- Add assignments to Chart
- Edit assignment, including address and resources (People, Equipment, and Collections)
- Take a snapshot image of the Chart

Resource Timer

- Have visibility on how long individuals have been in an assignment
- Set timers for each individual and / or the event to keep scene safety and ensure that people don't exceed their limitations
- Export timer data into a .CSV report

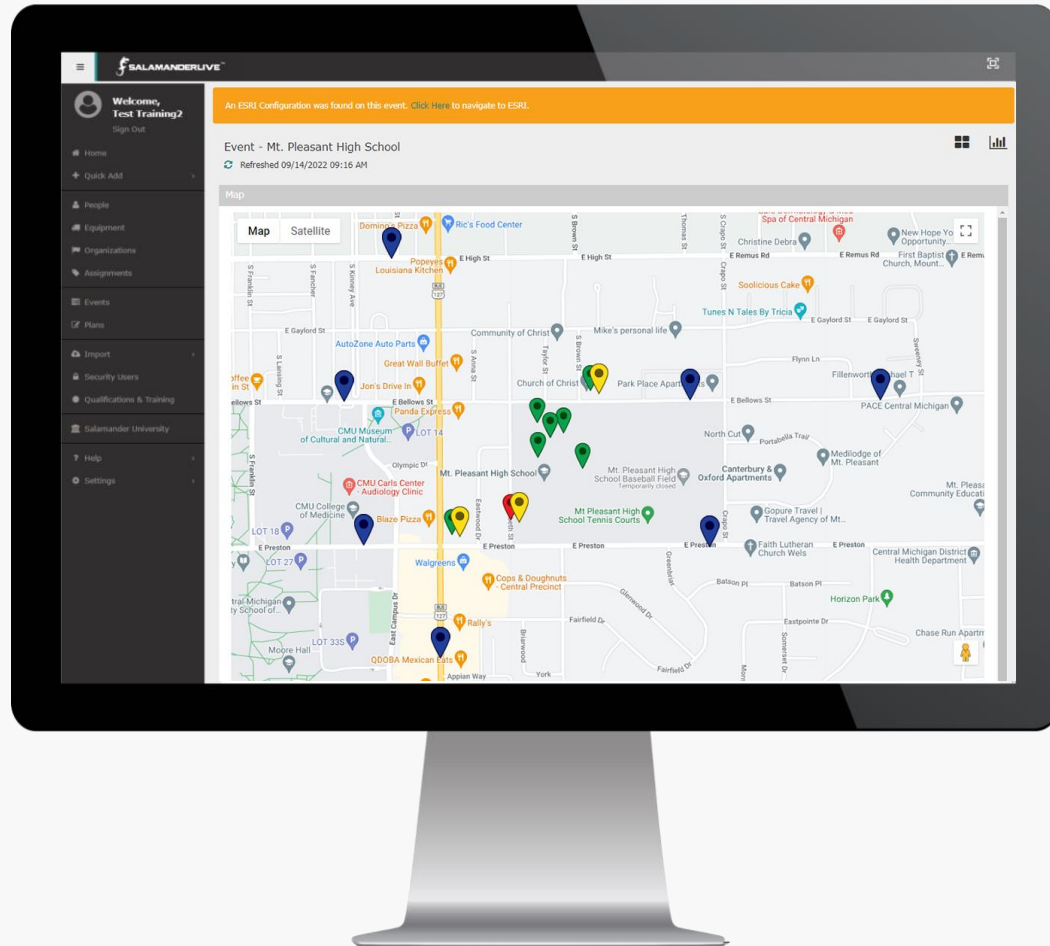
Roster Tile

- Manually add a log entry in seconds to update date, time, and / or assignment
- Quickly view who is in each assignment during an event
- Resources, active or off-scene, can be sent emails within the event

NOT FOR DISTRIBUTION.

GIS Mapping Physical Locations

See a real-time view of where your resources are located on a map utilizing SalamanderLive™



Enhance tactical operations with satellite map imagery of the event with real-time plotted responder locations utilizing existing smart phones and tablets.

- Get up-to-the-minute responder location data
- Enhance tactical operations with satellite imagery
- View legacy join and PIN join events all on one map
- Access resource details from the map view
- Plot events, assignments, TAG APP users, TRACK APP users, and all resources checked into an assignment
- Integrate any third party geolocator to show assets combined with all resources managed within SalamanderLive
- View Deployable Equipment's location also on the map

SalamanderLive is integrated with Google Maps and ESRI ArcGIS to provide detailed information on the locations of your resources.

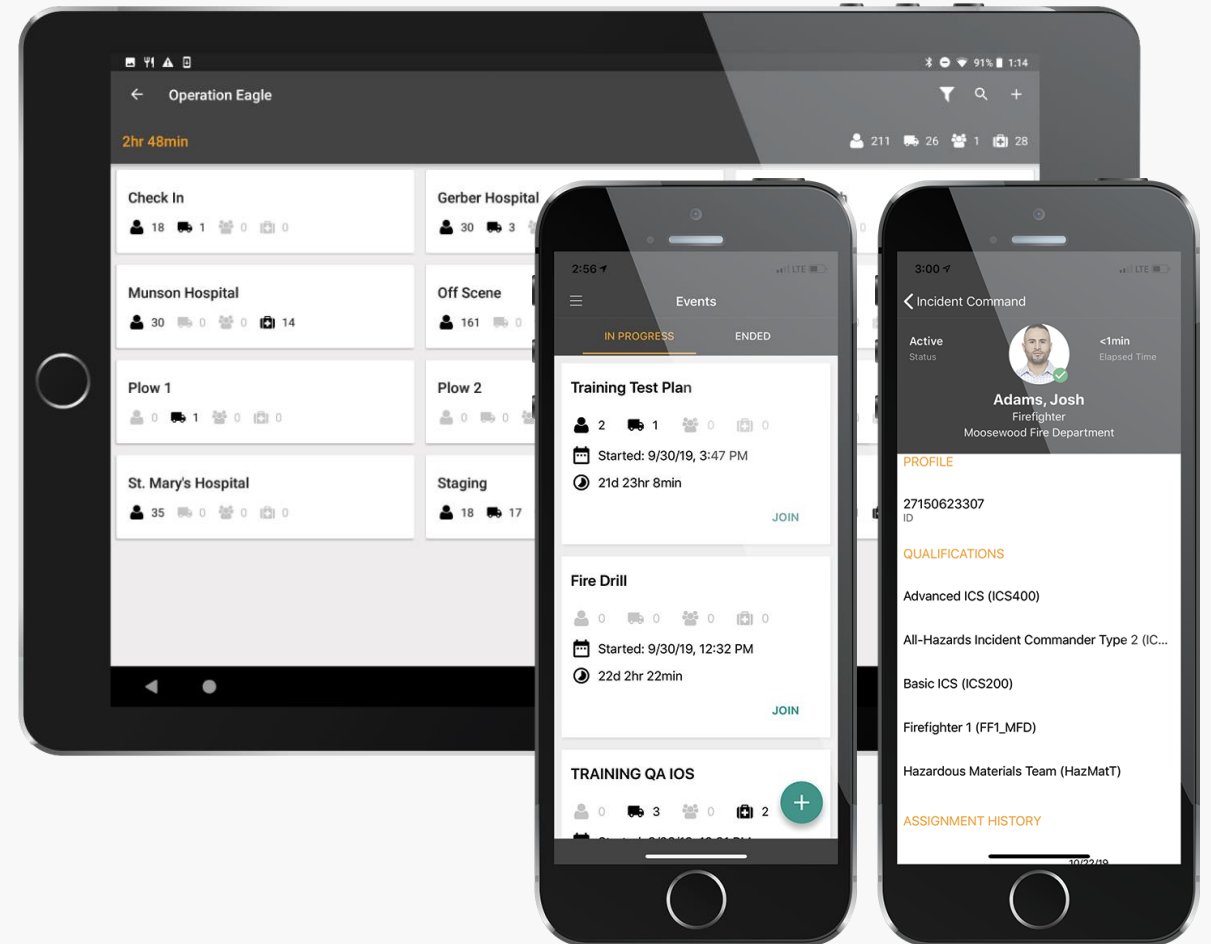


TRACK APP

Automatically updates SalamanderLive™ with responder activity for accurate and detailed reporting

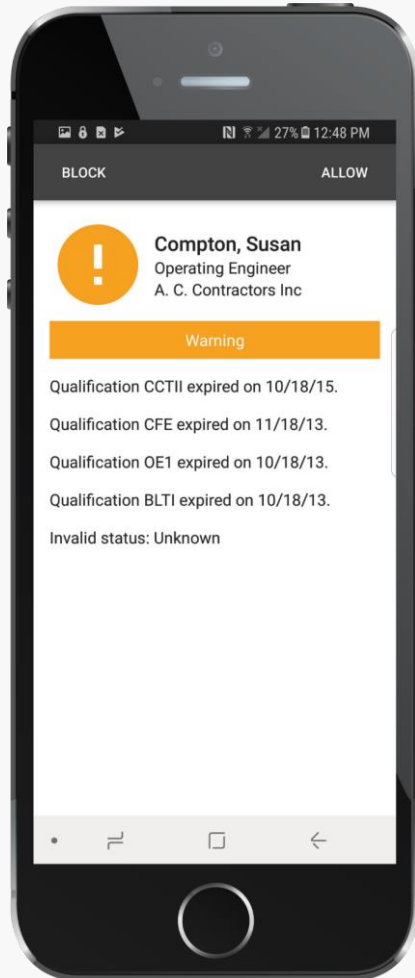
Enhance situational awareness by tracking resources in the field and scan tags for on-scene accountability on any Android or iOS device.

- ICS tracking of resources in the field
- Automatically confirm that scanned credentials are valid and up to date (with SIV)
- Download resources directly from SalamanderLive
- Search for resources based on qualifications
- Scan Salamander accountability TAGs for tracking on-scene
- Send field level data back to SalamanderLive for off-scene visibility
- Automatically updates SalamanderLive with personnel activity for accurate and detailed reporting



Salamander Identification Verification (SIV)

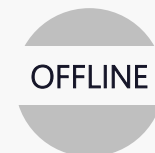
Verify identities, qualifications, and access all at once – *EVERYTIME!*



Salamander's badge verification feature for the TRACK APP provides vital, targeted, and authentic information about everyone you want to trust. It's fast, easy, reliable, and interoperable.

Take your scene security to the next level with SIV. Every TRACK scan does a real-time verification to ensure that the person entering the scene is an active, vetted, and qualified individual.

- Verify scans against SalamanderLive™ to confirm that responders are not terminated, on leave, etc.
- Verify qualification data to ensure all certifications are up-to-date
- Always have up-to-date responder data, whether the TAG was printed last night or last year



Reports

Examples of the canned reports that are available at your fingertips

1

Event Summary

Event Summary Report			
Organization	Moosewood Police Dept		
Incident Name / Run Number	Game Day /		
Start Date	10/3/2022 3:42:23 PM	End Date	
Resource Count	Count	Resource Hours	Total Time
Anywhere EMS (ANYEMS)			
Number of Responders	1	Hours for Responders	0:01:58
Anywhere Health Department (06121511018)			
Number of Responders	1	Hours for Responders	0:02:51
Anywhere State Police (PD5126)			
Number of Responders	1	Hours for Responders	0:02:00
Anywhere, USA (Osalt)			
Number of Responders	1	Hours for Responders	0:00:55
Moosewood County OEM (MWPSAR49684)			
Number of Equipment	3	Hours for Equipment	0:06:34
Moosewood Fire Department (50250)			
Number of Equipment	1	Hours for Equipment	0:02:04
Moosewood Police Dept (LAWMPD)			
Number of Responders	1	Hours for Responders	0:02:50
Number of Equipment	6	Hours for Equipment	0:13:14
Number of Companies	1	Hours for Companies	0:02:08

2

People Activity

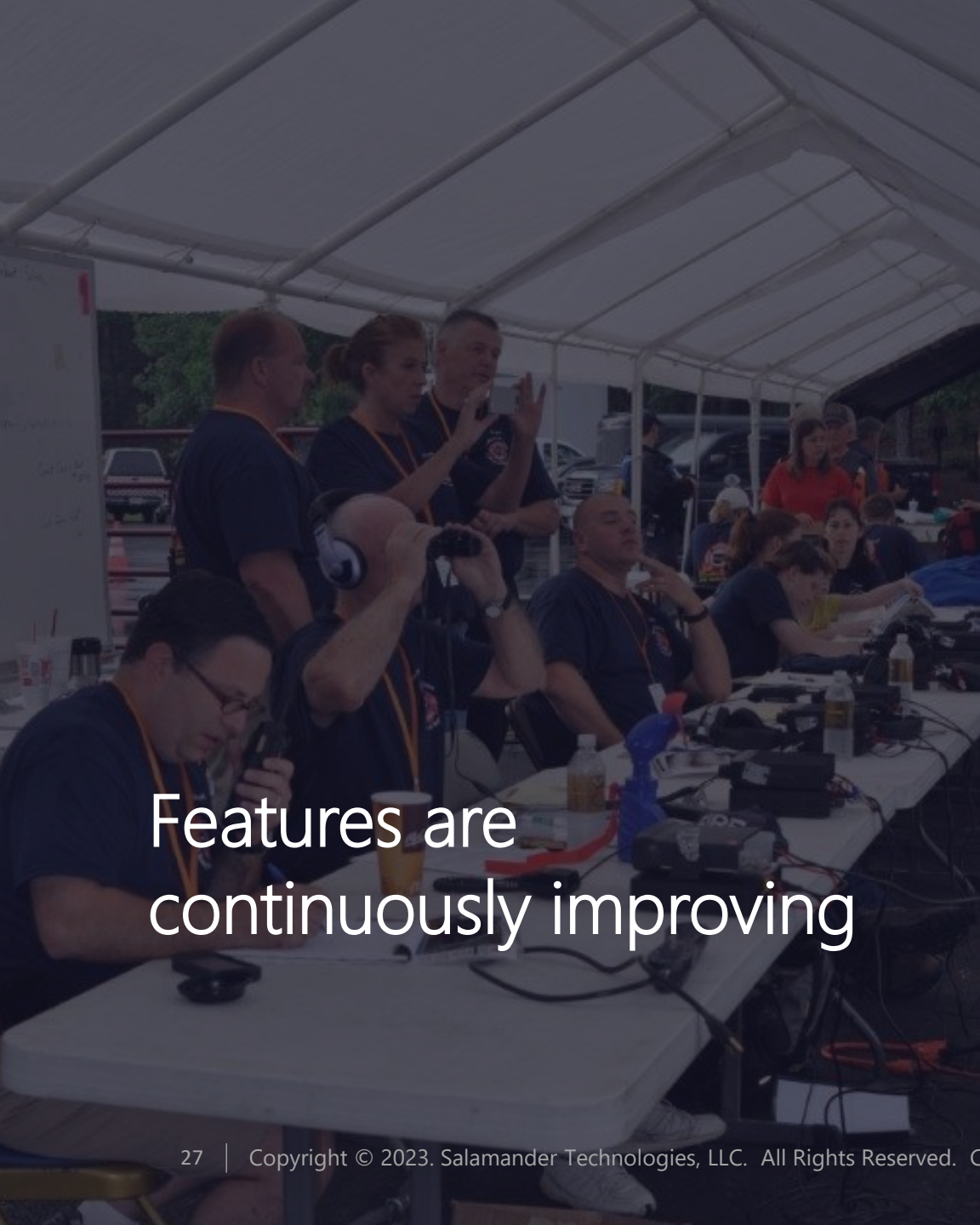
People Activity Report Summary				
Assignment	Time In	Time Out	Assigned Time	Total Time
Anywhere EMS (ANYEMS)				
Alvarez, Jack (E5160)				
Traffic Control	10/3/2022 3:43:49 PM	10/3/2022 3:47:20 PM	0:03:31	0:03:31
			Anywhere EMS Total Time	00:03:31
Anywhere Health Department (06121511018)				
Adamkiewicz, Effie (180606122059745)				
Team Security	10/3/2022 3:42:56 PM	10/3/2022 3:44:19 PM	0:01:23	0:01:23
Traffic Control	10/3/2022 3:44:19 PM	10/3/2022 3:47:20 PM	0:03:01	0:04:24
			Anywhere Health Department Total Time	00:04:24
Anywhere State Police (PD5126)				
Alvarez, Patricia (SP551)				
Traffic Control	10/3/2022 3:43:47 PM	10/3/2022 3:47:20 PM	0:03:33	0:03:33
			Anywhere State Police Total Time	00:03:33
Anywhere, USA (Osalt)				
Abson, Abby (test111)				
Team Security	10/3/2022 3:43:05 PM	10/3/2022 3:44:00 PM	0:00:55	0:00:55
Off Scene	10/3/2022 3:44:00 PM	10/3/2022 3:47:20 PM	0:00:00	0:00:55
			Anywhere, USA Total Time	00:00:55
Moosewood Police Dept (LAWMPD)				
Grile, Andrew (AAG1960)				

3

Event Log

Event Log Report				
Organization	Moosewood Police Dept			
Incident Name / Run Number	Game Day /			
Start Date	10/3/2022 3:42:23 PM	End Date		
Entry	Description	Entry Time	Device Name / User	
Abby Abson planned for Assignment: Team Security	Plan Add Responder	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Assignment: EOC	Plan Add Assignment	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Assignment: Main Entrance	Plan Add Assignment	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Assignment: Off Scene	Plan Add Assignment	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Assignment: Red Lot	Plan Add Assignment	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Assignment: Team Security	Plan Add Assignment	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Assignment: Traffic Control	Plan Add Assignment	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Collection: Bike Team Greta	Plan Add Team	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Collection: Drone Team	Plan Add Team	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Collection: Observation Team	Plan Add Team	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Collection: SWAT Team 1	Plan Add Team	10/3/2022 3:42:23 PM	Danielle Fortino	
Add Plan: Game Day	Incident Add Plan	10/3/2022 3:42:23 PM	Danielle Fortino	
AED Defibrillator planned for Assignment: Traffic Control	Plan Add Responder	10/3/2022 3:42:23 PM	Danielle Fortino	
Aerial Engine planned for Assignment: Traffic Control	Plan Add Responder	10/3/2022 3:42:23 PM	Danielle Fortino	
Andrew Grile planned for Assignment: Team Security	Plan Add Responder	10/3/2022 3:42:23 PM	Danielle Fortino	
Ann Able planned for Collection: Observation Team	Plan Add Responder	10/3/2022 3:42:23 PM	Danielle Fortino	
April Varsh planned for Assignment: Red Lot	Plan Add Responder	10/3/2022 3:42:23 PM	Danielle Fortino	
Brian Walker planned for Collection: Observation Team	Plan Add Responder	10/3/2022 3:42:23 PM	Danielle Fortino	
Canopy Tent 10x20 planned for Assignment: Main Entrance	Plan Add Responder	10/3/2022 3:42:23 PM	Danielle Fortino	
Christopher Johnson planned for Collection: Observation Team	Plan Add Responder	10/3/2022 3:42:23 PM	Danielle Fortino	

Share evacuee, resource, and personnel data from the event to off-scene agencies in real-time to provide a common operating picture. Salamander has a wide variety of canned reports available right out of the box.



Features are
continuously improving



	TAG	TRACK	REPORT
RAPID TAG	X	X	
RAPID TAG EVAC	X		
TAG APP	X		
ASSET MANAGEMENT	X	X	X
INVENTORY APP	X	X	X
PLANS		X	X
EVENTS PRO		X	X
GIS MAPPING / ESRI	X	X	
TRACK APP		X	
SALAMANDER IDENTITY VERIFICATION (SIV)		X	
COMMAND		X	
Manual Accountability	X	X	
REPORTS			X



Salamander in the Public

Salamander is taking that same credentialing solution and incorporating it in the Private Sector including Education

From there, Salamander shares these credentials with first responders to create a common operating picture resulting better visibility and faster response times

Use the same tracking solutions that account for responders to also account for civilians



Technical Specs

Salamander features a survivable and scalable architecture and provides event data to off-scene facilities via web applications. The system is compatible with Federal smart cards (ex: CAC, TWIC, and FRAC) to meet requirements for personal identity verification of federal workers and contractors (HSPD-12).

CORE COMPETENCIES

- Personnel accountability (NIMS)
- Personal Identity Verification (HSPD-12)
- Incident command
- Volunteer tagging & tracking
- Evacuee/Patient tagging & tracking
- Asset/Equipment tagging & tracking
- Robust reporting during & after an event
- Interoperable ID cards
 - Military IDs (CAC Cards)
 - Transportation IDs (TWIC Cards)
 - First responder IDs (FRAC Cards)
 - State driver's licenses
 - Salamander ID Tags
 - Pre-Printed triage tags

Salamander is founded on the federally required National Incident Management System (NIMS) framework.

- Homeland Security Presidential Directive 12 (HSPD-5)
- FEMA 501 National Incident Management System
- National Fire Protection Association (NFPA-1561)
- Homeland Security Presidential Directive 12 (HSPD-12)
- Incident Command System (ICS)
- Federal Information Processing Standards-201 (FIPS-201)

DIFFERENTIATORS

- "TAG to Web" tracking & reporting of responders & victims
- Data is stored directly in the TAG
- Reads linear barcodes, PDF417, QR Codes, TWIC, CAC, FRAC, & RFID
- Provides interoperability between agencies
- COTS auto ID solution
- The solution can be found on GSA, FIPS 201 APL, & the TWIC ICE list
- The system works in a "comms-out" environment
- Assists in compliance with NIMS
- Share event data with off-scene agencies in **"real-time"**

CODES

PSC/FSC

AB22
AB23
AC65
AC66
B551
L012
R408

NAICS

541690
334111
511210

DUNS:

077479975

CAGE:

1V9C6

DHS/FEMA/AEL

04AP-05-CDSS
04AP-05-CRED
04AP-02-OAPT
04AP-07-INVN

24 / 7 Support

Because events can happen at anytime, our support team is always ready to handle any support questions.

Our learning center, located in SalamanderLive, provides users with free access to hundreds of materials that are designed to educate users on everything that Salamander has to offer.



On-Site & Remote Training

We provide only the best subject matter experts when conducting trainings. Our trainers are not only experienced with our solutions but also with use cases on how to adapt Salamander to your existing workflows.

Lia,

Thank you for the training today and taking all the questions from our group. I look forward to tomorrow when the other half of the group attends. I don't have your supervisor's email (or know who it is), but feel free to forward this to him. I thought you were very professional, patient, and able to answer all our questions. I was impressed with your knowledge and ability to navigate the Salamander system. The system was easy to use and will assist our logistics team.

Mike



Captain Mike Wedin
District Commander
Minnesota State Patrol
Michael.Wedin@State.MN.US
[Website](#) [Facebook](#) [Twitter](#)



LINK TO OUR MEDIA
[CLICK HERE](#)



THANK YOU!

NEXT STEPS

[SALAMANDERLIVE.COM](https://salamanderlive.com)

Salamander Technologies
877.430.5171
sales@salamanderlive.com

