



MI MABAS Webinar April 2021

MI MABAS UAS Response System



www.mabasmi.org



Hello & Welcome To **MABAS UAS**

With public safety usage and applications exploding, fire department drones are poised to be the next technology to redefine emergency response.

Speakers

Jason Harrison

Matthew Quinn



UAS Integration as a tool is a force multiplier in safety and efficiency on multiple fronts.

Unknown

Topics of Discussion

01 **MABAS Team**
Approval process and overview

02 **Training Standards**
Discuss various training standards now in place.

03 **Rules & Regulations**
Current changes and case law that affects UAS operations.

04 **Mission Profiles**
High Level overview of why and when to utilize unmanned systems.



Description

Zoom Webinar

Spring Training Program



Early activation is key to
a UAS response system.

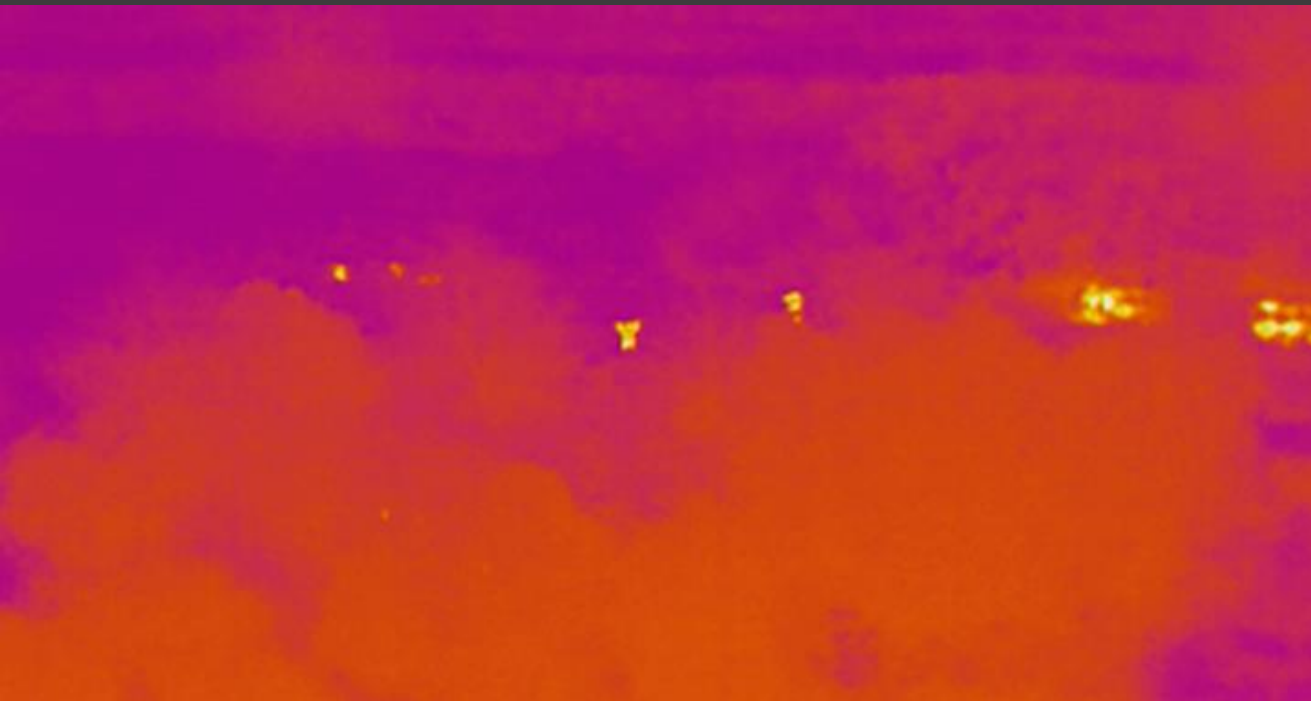
REQUEST ACTIVATION THROUGH YOUR COUNTY MABAS SYSTEM
THROUGH THE STATE RED CENTER ACTIVATION LINE:
734-477-6400

MI MABAS TEAMS

Team Descriptions

Type 1 Team

Type 2 Team



Current Approved Teams

Washtenaw County

Western Wayne County

Great Lakes Drone Company

(5th District Area, Kent County)

Current Pending Teams:

Livingston County

Oakland/Macomb County

Otsego County

Training Standards

Description

There is a variety of recommended courses and training programs coming of age, however key standards are now in place to create a stepping stone for the future.

- ✓ NFPA 2400
- ✓ ASTM F3266
- ✓ IEDO Best Practices
- ✓ ISO 21384 Drone Safety Standards

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Try to learn from the mistakes from others. You will not live long enough to learn them all yourself.



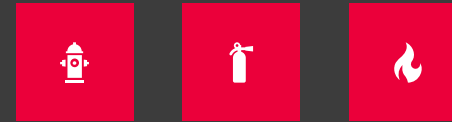


Description

Brief overview of the current topics relevant to public safety UAS operations in the State of Michigan



Rules & Regulations



Topics

The specifics of what effect flight operations

- ✓ FAA Part 107
- ✓ Certificate of Authorization (COA)
- ✓ Michigan Specific and Case Law

MISSION PROFILES



SAR

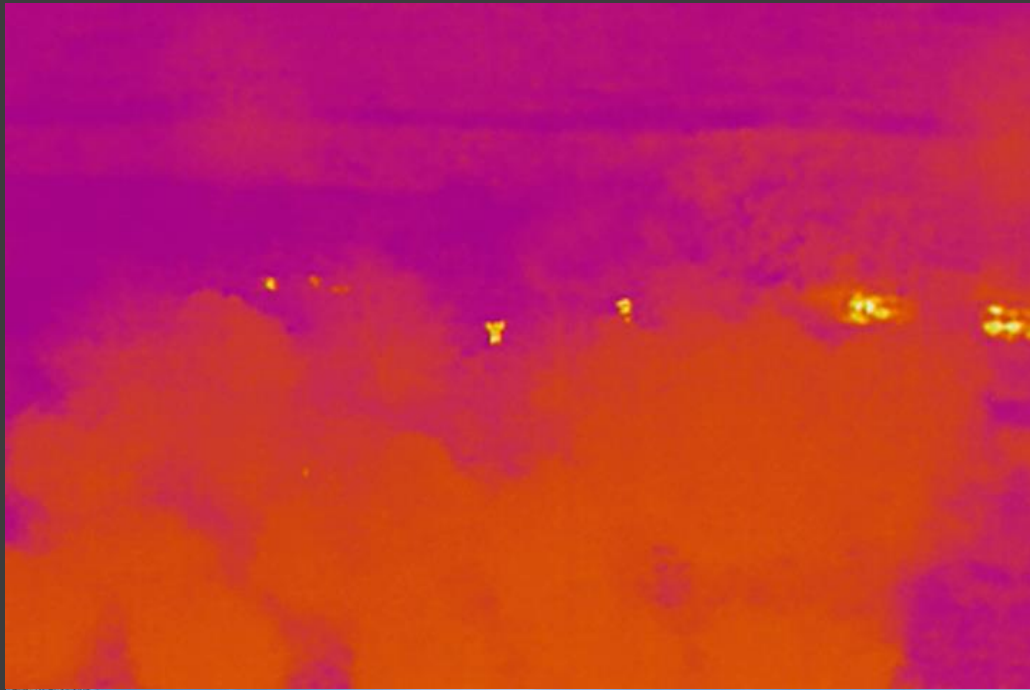
Missing Persons
Hazard Search
Scene Awareness

FIRE
SCENES

Structure Fires
Field Fires
Scene Management

FIRE/EXPLOSION
INVESTIGATION

Forensic Mapping
Evidence Collection
Scene Overview



HAZMAT

Scene Overview
Detection
Mitigation
Safety



USAR

Overview
Recon
Real Time Feeds

LEO

Crash Reconstruction
Traffic Assessment
Overview
Suspect Search



DISASTER

Scene Overview
Mitigation
Safety

**DIVE
WATER RESCUE**

Overview
Search/Sonar
Real Time Feeds
Mitigation

PRE-PLANNING

Infrastructure
Traffic Assessment
Overview
2D/3D Planning

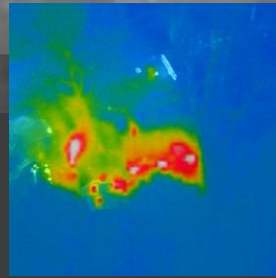
Examples of Operations



SAR

Missing Persons

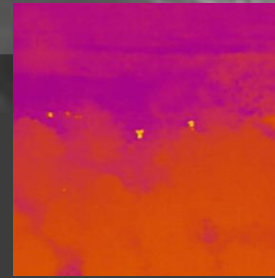
[Map Link](#)



Fire Response

Working Multi-Dwelling
Structure Fire

[Video 1](#)
[Video 2](#)



LEO

Suspect Search

[Video Link](#)



Investigation

Suspicious Structure Fire

[Map Link](#)

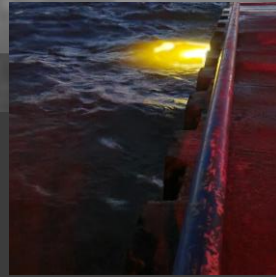
Examples of Operations



Disaster

Awareness

[Video Link](#)



Dive Rescue

Dive Assist

[Video 1](#)
[Video 2](#)



Water Rescue

Water Rescue

[Map Link](#)



Pre Planning

Commercial Structure

[Map Link](#)

QUESTIONS?

