



BERRIEN COUNTY FIRE CHIEFS ASSOCIATION

Call to Order: 0840-1042

Date: March 17, 2021

Old minutes: Motion to accept old minutes and seconded. Motion passed. None opposed.

Treasurer's Report: Starting Balance: \$3576.44. Check #1043: \$161.50 for half of dispatch food over the holidays. Ending Balance: \$3414.94

Communications/Bills:

New Chief/Visitor:

Committee Report:

Sheriff: Busy working to keep Covid down. Purchased UV machines to help with decontamination as well as disinfect and spraying. Hazmat team helping with jail disinfecting as well. Currently no Covid within the jail. Inmates tested within 24 hours. Has had more employees then inmates come down with Covid.

Red Cross: None

Dispatch/911: Caitlin introduce the new dayshift supervisor Chris Burks she will be the point of contact for fire dispatch. Currently has five new dispatchers three that have been cleared two that are still in training. Working on a full-time IS tech and still have five vacancies for dispatchers. Discussion on acknowledging calls as soon as possible after dispatch. Currently after three minutes dispatch is to retone after two minutes another retone as well as send the next closest department. Dispatched requested for an acknowledgment as soon as possible after the dispatch. Discussion on the additional radio traffic, since most departments are volunteer and respond to the station. Question was if dispatch wanted someone from the department to acknowledge the call while in route to the station. Caitlin advised yes, even though this would increase radio traffic, dispatch would like that acknowledgment simply stating clear on the call. Then going in route once you've arrived at the station and apparatus is enroute. Discussion on the active 911 since most departments have added dispatch to the active 911 are they able to see the responders when they hit respond. Caitlin advised, yes, they can but that dispatchers are not always monitoring it with the initial dispatch. Discussion on having dispatch be encouraged to look at the active 911 when you're getting close to the five minute mark to see if any responders acknowledged on active 911 to the initial dispatch. Discussion led to the following items:

Having somebody from the department clear the call as soon as possible after dispatch.

Then first unit enroute acknowledge to dispatch with dept name and unit number that they are enroute.

Additional units going enroute acknowledge to either incident command or the first truck, that they are enroute.

Dispatch understands the need for the additional units to announce enroute and request that when additional trucks go enroute, the additional trucks to announce to command or the initial responding unit enroute that they are going enroute. However, if the additional trucks announce to Berrien, then dispatch will answer.

Dispatch would like the following:

Clear the call ASAP

Initial unit enroute announce department and unit number

On scene

Clear scene.

For departments that want fire under control to be timed stamped then they can call dispatch with that information as well.

Discussion lead to AEP.

AEP does not give ETA anymore.

If departments want AEP on scene time marked in CAD then let dispatch know. Dispatch requested that chiefs and on scene commanders contact AEP directly on their public safety emergency number:

888-237-2221

Discussion on fire ground operations. Caitlin stated that at times it is difficult to monitor all fire ground traffic. Please make requests to dispatch clear.

IC may need to move to 11F911 when communicating to dispatch.

Discussions on mutual aid. Please submit all mutual aid requests and changes to Jennifer or Caitlin. Keeping track of all department mutual aid is complicated. Caitlin asked can it be simplified in anyway. Discussions went to differences between mutual aid and auto aid. Auto aid normally seen with manpower issues and to help departments with their ISO ratings. Caitlin requested that departments review their mutual aid and auto aid agreements.

Discussion led to the use of MABAS box cards to help simplify the mutual aid and auto aid within dispatch. Dispatch stated the old MABAS box cards work better with CAD.

Chief Chase and Chief Mattix we're going to work on getting the old version of box cards out to everyone to use to help simplify in dispatch since those integrated into CAD better.

Gerry advise that there are several box cards currently on the web as well as the updated version of blank box cards.

Decision was made to go to the old version of box cards and those will be available by April's meeting and for all departments to have their box cards filled out and to dispatch by May 30, 2021.

Discussion on when dispatched there is only a small amount of information given over the radio, however in active 911 long extensive additional information presented. Question arose once unit goes enroute can dispatch give the initial responding unit that additional information that was entered into active 911. This additional information could potentially help on whether auto aid/mutual aid or if additional aid/resources would be needed.

Discussion on if auto aid / mutual aid was not needed having the incident commander disregard that auto or mutual aid directly over the radio. Question arose would there be a need for disregard tones as well.

Caitlin again reminded everybody that VHF will be done and dismantled no later than December 31, 2022.

Caitlin again remind all that dispatch would like the remaining departments to be on 800 paging by the end of March 2021.

The department still on VHF paging are Niles city/ Niles Township/ Saint Joe Township station one and two/ Sodas Township/ Benton Township/ Pride Care and S.M.C.A.S.

Pager invoices have been sent out if you have any questions contact Caitlin.

Caitlin discussed South County 800 signal coverage enhancements. Caitlin stated that she got some estimates back from Motorola and it would be 1.5 to 2,000,000 to build an additional tower site in the south east county region.

If we add another site regardless of what type of site it is the state will require us to go to a simulcast system. With the addition of the ASR site at Watervliet hospital there will be six towers in Berrien county. Currently each tower has their own set of frequencies if we add another site in the county we will need to move to a simulcast were all tower share the same frequencies. There is only one vendor, Motorola, and the state puts additional requirements on Motorola. MPSCS has concerns about using existing towers and would prefer to have their own towers. System is designed for 97% mobile coverage no system is 100% if you know of exact specific problem locations get them to Caitlin.

Caitlin advised that the FCC has change their rules on fees. Current FCC rules do not allow for surcharge fees to be used for infrastructure enhancement.

Caitlin reminded all of the county low interest loan program and the local grant program. The local grant program will have to be done on a department by department basis. With the regional grant submitted now, we can use some of the wording to create a template so that departments will just have to fill in their local information on the grant.

Chief Jesswein advised everyone that with the removal of the Pucker Street dam that the Dowagiac creek is now the fastest running creek in the state.

DNR:None

Funeral: Berrien Springs

Emergency Management: LEPC seminar March 23 for members only. Planning third and fourth quarter public meetings. Mitigation update ready to kickoff. DC Cook exercise in June. Will be a more discussion 2 day event.

EOC hot wash link sent out after Buchanan City apartment fire.

EMS:

Medic-1: Medic-1: still operating under COVID-19 policy and procedures. Currently no employees affected.

S.M.C.A.S.: Redbud will be starting up later this month. Not sure how events will look like under COVID-19 restrictions.

Med Flight:None

Med Control: COVID-19 numbers increasing in hospital.

St Joe ER will be starting major construction on April 01, and last several months.

LEPC:None

BCFA: Continue to meet via zoom. Plan on zoom meetings for next 2 months. When in person meetings start Bach up will start with New Buffalo City. Get resource directory updates to Gerry.

MABAS boxcards are also posted on the web.

Training: BHDPS will be hosting fire officer class starting in April.

HazMat: Reminder to all of annual operations level hazmat training. Contact hazmat to schedule.

New vehicle here today.

MABAS: training videos posted on website. Captain DeLaTorre reminded MABAS members to sign up for members access. UAS training video already posted. Red center communications should be posted in next 60 days. Working on "What is MABAS video". MITF1 video coming soon.

Quarterly exercises planned for 2021:

Q1: EMS strike team

Boxcard tabletop Jan 13

Pod March 10

Q2: Brush strike team

Boxcard tabletop april 14

Pod may 12

Q3: Crew transport

Boxcard tabletop July 14

Pod August 11

Q4: Tanker task force

Boxcard tabletop October 13

Pod November 10

Larger pod exercise still in planning stages.

MABAS ZOOM webinar conference April 21 from 0800-1600. Webinar is free.

See attached flier.

Captain DeLaTorre discussed the MABAS activation that occurred during the MABAS monthly meeting.

See attached email.

Captain DeLaTorre stated he attempted to forward the email out over the BC Fire Chiefs listserve but it never went out. Made several attempts to send it out.

The fire in southern Ingham county on Wednesday allowed MABAS to show its value. Strike teams and other fire resources from five counties responded to this quickly expanding event, which burned five structures and 40 acres of land.

MITRT-5: Allen stated team was activated on Monday in Allegan County. Local drills/training to be held around the county.

Old Business: no word on grant. Chief Davidson reminded all to keep up on NIFRS. BS Chief Meyers stated he had to contact Rhonda to correct errors. A new update will be coming out soon to correct errors when sending in reports.

New Business: Chiefs association has the following openings:

911 operations committee:

2 openings. Only have vote on operations committee.

Chief Mattix

Chief David Flick offered to be on committee.

Matt Quinn from Great Lakes Drone gave presentation.

Matt stated they are an additional resource for scene management.

They do not charge public safety agencies.

Company started 2017/2018

2020 had 121 calls for service in 7 counties with a couple in Indiana.

2021 has 18 calls for service already.

Working with public safety agencies in Berrien County/Van Buren County/Kalamazoo County.

Have a vehicle and equipment parked outside for anyone who would like to see.

See attached flier.

New Buffalo Twp. has new truck for those that would like to see as well.

Next Meeting: April 21, 2021 at 0830 Lincoln Twp. Fire Department.

Adjourn: Motion to adjourn at 1042 hrs.

Berrien County Fire Chief's Association
Attendance Sheet
March 17th, 2021

	Print	Signature	Temp	Dept.
1.	Mike Davidson	Mike Davidson	98°	CTFD
2.	Matt Remmo	Matt Remmo	97.1	Bertrand
3.	Amanda Bronson	Amanda Bronson	97.0	Weesaw
4.	DOUG MYERS	Doug Myers	96.7	BSOFTD
5.	Al D. Rios	Al D. Rios	96.9	Wentland -
6.	Deanna Sexton	Deanna Sexton	97.1	BC 911
7.	Joel Brist	Joel Brist	97.3	Bridgeport
8.	Donnie Johnson II	Donnie Johnson II	96.7	Weesaw
9.	William Boyd Jr.	William Boyd Jr.	96.3	MEDIC 1
10.	Brandon Chiavelli	Brandon Chiavelli	97.4	CTFD
11.	Jamie Flick	Jamie Flick	96.9	NBTFD
12.	JENNIFER Flick	Jennifer Flick	97.0	911
13.	David Flick	David Flick	97.2	TCTD
14.	Caitlin Sampson	Caitlin Sampson	97.0	BC 911
15.	BRUCE Stouffer	Bruce Stouffer	96.5	B.SOFTD
16.	Rob Harper	Rob Harper	96.7	BCTFD
17.	Kris Burks	Kris Burks	97.6	BC 911
18.	Ted Chase	Ted Chase	96.9	GTFD
19.	Gerry Kabelman	Gerry Kabelman	96.3	S.J.K.T.F.D. I
20.	Allen Weich	Allen Weich	96.6	MT-TRT-5
21.	Bruce Matheson	Bruce Matheson	97.8	NFD
22.	Harold Heyn	Harold Heyn	96.2	Isola
23.	David Ahlert	David Ahlert	97.8	BCSO
24.	Tim Jesswein	Tim Jesswein	97.4	Rich Twp / NTFD
25.	Mike Mattie	Mike Mattie		NBFR
26.	Matt Quinn	Matt Quinn		GLDC
27.				
28.				
29.				
30.				
31.				
32.				
33.				

Good Morning!

The fire in southern Ingham county on Wednesday allowed MABAS to show its value. Strike teams and other fire resources from five counties responded to this quickly expanding event, which burned five structures and 40 acres of land.

I have attached a thank you letter from the Ingham County Sheriff and several news link.

Stay Safe and Thanks for being part of Michigan MABAS!

Be Safe,

Trent

[VIDEO: 30 acres, 4 structures burned in Leslie Twp. brushfire | WLNS 6 News](#)

<https://www.facebook.com/WLNSTV/videos/151968290113483/>

<https://www.wlns.com/news/michigan/30-acres-4-structures-burned-in-leslie-twp-brushfire/>

[Ingham County brush fire sparks response from two dozen agencies \(detroitnews.com\)](#)

<https://www.wlns.com/top-stories/how-michigan-firefighters-work-together-using-the-mutual-aid-box-alarm-system/>

<https://www.wlns.com/news/michigan/must-watch-drone-video-shows-destruction-caused-by-brush-fire-in-leslie/>

Trent Atkins, MBA, EFO, PEM

Executive Director

Michigan Mutual Aid Box Alarm System (MI-MABAS)

Cell: 517-881-6279

Email: tatkins@michiganbabas.us

www.MBASMI.org

Michigan Mutual Aid Box Alarm System



Urban Search & Rescue

MI-TF1
Michigan

2021 Spring Webinar

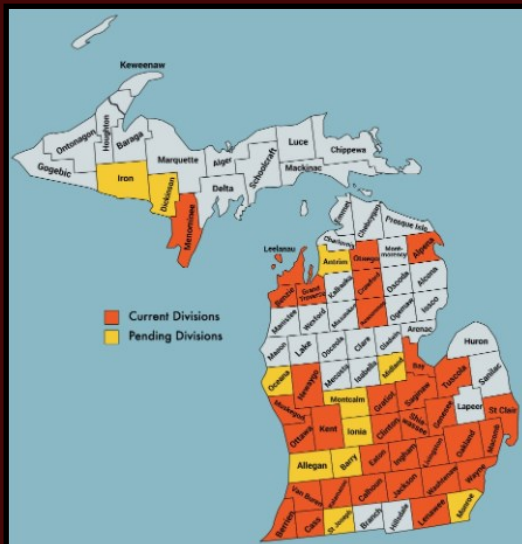
April 21st 0830-1600



EMS Continuing Education

1 EMS Operations
(AM Session)

1 EMS Operations
(PM Session)



COST: FREE
WHEN: April 21st
TIME: 0830-1600
WHERE: ZOOM WEBINAR



HOW TO REGISTER:

Follow the link below to register for the Michigan Mutual Aid Box Alarm System Spring 2021 Webinar. A confirmation with link to the virtual webinar will be sent to you after registration.

To receive EMS CE credits you will have to attend the entire morning or afternoon sessions.

Register in advance for this webinar:

https://zoom.us/webinar/register/WN_pqZLUspOSU-c3sbtg7vOVw

After registering, you will receive a confirmation email containing information about joining the





Agenda (Morning Session)

0830 - 0840 Welcome – President, Chief Brian Ball

0840 – 0920 MIMABAS MRP – Dave McIntyre (MI-TF1)/ Trent Atkins (MIMABAS),

Participants will get a better understanding of what the Mission Ready Package (MRP) is and how it supports Inter- Divisional response and MI-TF1 single resource requests.

0920 – 1000 MIMABAS Strike Team/Task Force Leader Roles and Responsibilities – Shadd Whitehead/Chris Martin (MI-TF1)

Participants will gain an understanding of the role and responsibilities of a Strike Team/Task Force Leader for Fire and Special Operations response.

1000-1010 Morning Break

1010 – 1040 MIMABAS Division Preparedness Checklists – Erik Youngblood (Red Center)/Trent Atkins (MIMABAS)

Trent and Erik will review the MIMABAS Division Fire and Dispatch Readiness Checklists. These checklists are tools that can be used to assist Divisions in better preparing for managing mutual aid resources.

1040-1200 MIMABAS UAS Resource Jason Harrison (Washington Twp. FD)/Matt Quinn (Great Lakes Drone)

MIMABAS UAS resources are being used by teams for situational awareness at fires, investigation, finding lost individuals, ice rescue and other. Participants will learn what MIMABAS UAS resources are available, how to best use and how to activate.

1200-1300 Lunch



Agenda (Afternoon Session)

1300 – 1345 Division 3701 MIMABAS Wildland FF Cert Update – Chief Parker (Blair Twp FD)

Division 3701 is beta testing a statewide MIMABAS Wildland FF certification process. Chief Parker will explain the validation process and future steps to implement statewide.

1345 – 1430 Midland Flood – Chief Coughlin (Midland FD)

The Midland Flood was a high impact event that stretched the regions fire/rescue resources. Chief Coughlin will share the impacts and restraints created by the event and how planning and mutual aid supported the response and recovery efforts.

1430 – 1530 Michigan Fire Service, By the Numbers – State Fire Marshall Kevin Sehlmeyer

Fire Marshall Sehlmeyer will present interesting and informative statistics for the Michigan Fire Service.

1530-1600 Wrap-up!



Instructor Bio's

Dave McIntyre has over 30 years in Public Safety currently serving as Michigan Task Force 1 (MI-TF1) Program Manager and Michigan MABAS Special Operations Director. Dave began his public safety career with the Clinton Township Fire Department in 1987 that included extensive special operations experience and concluded with 12 years of service as the CTFD Training Chief. Dave also worked 5+ years as Macomb County Emergency Management Program Manager until June, 2018. His duties included all facets of disaster planning for public assemblies, county and private facilities working with local, state and federal partners. MI-TF1 is Michigan's only Urban Search and Rescue Task Force that has deployed to Hurricane Irma in 2017, Hurricane Florence in 2018, Hurricane Dorian in 2019 and the Midland Floods in 2020. MI-TF1 consists of 138 members trained to FEMA standards with the capability to operate in disaster environments including tornados, hurricanes and terrorist's attacks. Dave is also a Certified Professional Emergency Manager.



Chris Martin recently retired as the Fire Chief for the City of Sterling Heights after serving 35 years in the fire service. During his career, he dedicated a significant amount of time to fire based special operations, becoming a Hazmat Technician and Rescue Specialist. He was a founding member of the Macomb County Technical Rescue Team, serving as the Team Leader for 13 years. He was also a founding member of Michigan Task Force 1, currently serving as a Task Force Leader. He holds an Associates Degree in Fire Science from Macomb County Community College, a Bachelor's Degree of Business Administration from Northwood University and a Master's Degree in Public Administration from Central Michigan University. He is also a graduate of the National Fire Academy Executive Fire Officer Program.

Kevin Sehlmeier was appointed the Michigan state fire marshal in April 2017. Sehlmeier leads the Bureau of Fire Services within the State of Michigan's Department of Licensing and Regulatory Affairs. He serves as an ex-officio member of the Michigan Fire Fighters Training Council and State Fire Safety Board. Sehlmeier also leads a state-wide community risk reduction effort, known as MI Prevention, to make communities safer and reduce fire fatalities. Sehlmeier has also been a director with the International Fire Marshals Association since 2018. Prior to his appointment as Michigan state fire marshal, Sehlmeier served as the deputy fire chief of the Grand Rapids Fire Department. After 30+ years with the department he retired in January 2016. Before joining the Grand Rapids Fire Department, Sehlmeier was a crash rescue firefighter for the Michigan Air National Guard for six years. Sehlmeier holds a bachelor's degree in management and organizational development from Spring Arbor University. Sehlmeier has volunteered as the state Lead Advocate in Michigan for the Nation Fallen Firefighters Foundation (NFFF) since 2012 and since 2016, he has served as the NFFF Lead Volunteer Regional Advocate coordinating regional efforts in Ohio, Indiana, Illinois, Wisconsin, Minnesota and Michigan.

Bill Parker is a 24 year Fire Service Member. Chief Bill Parker became the Fire Chief at Blair Township Emergency Services in December of 2017. Prior to that Bill Parker was a Lt. / Training Officer with Glen Lake Fire Department since 2009. Bill started his career at the Rochester Hills Fire Department. Bill has an associates degree in fire science, and finishing his bachelor's degree from Columbia Southern University. He is certified as NFPA Pro-Board Fire Instructor II. He is also the training coordinator of the Northwest Regional Fire Training Center.



Shadd Whitehead, Task Force Leader MI-TF1 / Fire Chief (Ret.), Livonia Fire Department, Michigan. Chief Whitehead has over 34 years of fire and rescue experience. He spent 28 years working for the Livonia Fire Department, MI, while serving 13 years as Chief. During his tenure he also served as the Chief of Special Operations for Western Wayne County, encompassing both Hazmat Response Team & USAR Strike Team operations. The opportunity to previously Chair the MI-MABAS Special Operations Work Group and serve as President of the Southeast Michigan Association of Fire Chiefs was a career privilege as well. Currently, he serves with Michigan USAR Task Force 1 (MI-TF1) as a Task Force Leader and the team's Training & Exercise Coordinator. He has been involved in Emergency Response Planning and Program Development for the 18 years, continuing to instruct on a variety of emergency response topics and programs.

Trent Atkins is the Executive Director for Michigan MABAS. Prior to his current position was the Assistant Fire Chief for the Lansing Fire Department. Trent has an MBA, is a graduate of the National Fire Academy Executive Fire Officer Program, and holds a Professional Emergency Management Certification. Trent has over 30 years of public safety with technical certifications in hazardous materials, technical rescue, and incident management.



Erik Youngblood is a Paramedic and Communications Training Officer for Emergent Health Partners Communications (Red Center) in Ann Arbor, MI. Erik is also the Communications Specialist for MABAS. Erik has been in EMS for 30+ years holding positions as EMS and Fire dispatcher, Supervisor, Manager and currently as a CTO for EHP. Erik handles programming and repair of all communications equipment for Emergent Health ambulances and the dispatch center. Erik volunteers for his local fire department/ambulance service and has been in the fire service since 1992.

Chris Coughlin is a 30 year veteran of the fire service, having begun his career as an on call firefighter for the Shepherd Tri Twp. Fire Department. He has served several departments as a Line Officer, EMS Coordinator, Training Officer, Instructor, Fire Inspector, Plans Examiner, Fire Marshal and as the first Chief of the Cherry Capitol Airport Fire Department. He has held the position of Chief of the City of Midland Fire Department, both interim and appointed since December 2011. He recently stepped down as a Legislative Liaison for the Michigan Association of Fire Chiefs.

Jason Harrison is a Firefighter/Paramedic with Washington Township Fire Department, Co-Leader of The Department UAS (drone) team. UAS instructor, both in the classroom and in the field; State of Michigan probationary fire instructor; co-author of the only SMOKE approved part 107 instructional Q course through the Michigan Firefighters Training Council. Jason was deployed as a drone operator during the Midland Floods of 2020 to assist the incident management team and has been part of many smaller local deployments. Outside of work Jason fly's drones as a hobby for several years and I am President of Michigan Coalition of Drone Operators.

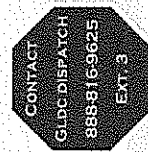
Matt Quinn is owner and CEO of Great Lakes Drone Company, is a former firefighter with over 20 years' experience and remains a current and active Paramedic Instructor Coordinator. He has made major breakthroughs in the drone industry since its inception in 2016. His career has been focused on driving technology and innovation across a variety of commercial and public safety sector applications. For the past 5 years his primary focus has been unmanned aerial system integration into the commercial market. These accomplishments include one of the first ten FAA commercial night waivers, the 3rd Multiple Unmanned Waiver by the FAA and one of only 4 companies within the United States with Drone Light Show capabilities. Most recently Great Lakes just received it's FAA Part 137 Exemption approval for UAS Hazardous Payload approval. He holds several authorizations within the US and international markets for UAS operations on multiple platforms. These operations include aerial cinematography, aerial and underwater search and rescue, SWARM technology with drone light shows, aerial crop spraying with agricultural data management and SWARM public safety operations. Working on special projects with the Department of Defense and several federal, state and local agency agreements, Great Lakes Drone Company has become a national leader in UAS integration and management and the first approved Type 1 and 2 MIMABAS UAS Program.

DOES THE REQUEST FALL INTO ONE OF THESE CATEGORIES?



YES

NO

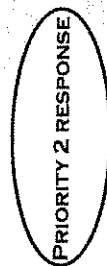


DISPATCH PROTOCOL



YES

NO



Damage Assessment (natural or man-made event)

- Structural, flood related, environment, transportation, pipeline breaks, and rail incidents.
- Enhanced search grids through onboard software.

Search and Rescue Missions (individuals, aircraft, vehicles and objects)

- Search for endangered or critical missing individuals.
- Provide a large-scale overview of the search area.
- Identify potential hazards for search teams and vehicles.
- Allow for limited tracking of search teams in an area.
- Provide photographic and video capability and analysis.
- Scene awareness and life safety to identify potential hazards to responders.

Fire Scene Management

- Overflight of structure fires (residential and commercial) by providing a 360-degree view for the incident commander.
- Aerial management and coordination for large outside fires to help determine the extent of coverage and identify structures, exposures or another infrastructure that may be impacted.
- Assist in helping account for personnel on the fire ground.
- Provide real-time aerial video footage of large-scale incidents.
- Assist in evaluating hazards, structure integrity and helping to ensure scene safety.

Fire / Explosives Investigations

- Assist fire investigators in assessing and documenting fire scenes for an overall scope of the scene.
- Provide detailed overhead views of large fire scenes from multiple angles and is safer than placing aerial ladders in multiple locations to get aerial photos. This is both a time saving and safety issue. The UAS can also zoom in or fly in to get extreme close-up photos and distant scene photos.
- Assist Blasting Enforcement Officer in developing requirements for blast site safety zones for commercial blasting projects.
- Assist in post blast investigations in locating blast scene radius and areas impacted by an explosion.

Hazardous Materials

- Infrared (IR) Forward-Looking Infrared (FLIR) capabilities of the UAS in tracking flows of hazardous materials on waterways during a hazardous materials incident. All UAS are intrinsically safe!
- Assist with hazard identification and development of safety measures.
- Provide area reconnaissance information without placing personnel in potentially hazardous locations.
- Assist in determining hazardous materials involvement.
- Determine potential run-off/movement of hazardous materials.
- Ensure area is clear of the public.

Urban Search and Rescue (USAR)

- Assist with area reconnaissance including urban, suburban and rural locations.
- Assist with personnel tracking and accountability in wide area search.
- Provide real-time aerial video footage of rescue operations including but not limited to:

Plan Development

Assist the Local Emergency Planning Committee (LEPC) staff in developing site specific Hazardous Materials Emergency Response Plans (HMERPs) for large critical hazard facilities and surrounding communities. Examples are waste and fresh water treatment facilities, and petroleum tank farms that cover many acres and are adjacent to residential and/or commercial communities and environmentally sensitive areas.

Infrastructure

- Assess hazardous pipeline infrastructure within response areas to evaluate possible leaks and impacts during incidents or pipeline repair projects. This will assist in locating possible critical areas, communities, and sensitive environmental areas that could be impacted by hazardous chemicals leaks or be impacted by normal repairs and inspections of the pipelines.
 - Critical Infrastructure Assessment (bridges, antenna towers, stream and water management).
- Law Enforcement
- Provide aerial mapping support to assist in crash reconstruction.
 - Provide aerial mapping, photographing and analyzing crime scenes.
 - Provide real-time traffic impact assessment and 3D mapping due to vehicle crashes or significant events (such as road backups/alternate routes of travel, weather, or evacuations).
 - Provide real-time situational awareness during managed deer hunts and sharpshooting operations on approved parklands to help provide an additional layer of safety for those involved and surrounding properties and residents.
 - Perimeter security.
 - Provide aerial support to fleeing and eluding subjects

Dive Team Support

- Reconnaissance of the area for best access points into the water.
- Potentially identify the location of a missing vehicle/person (shadows, tire marks).
- Scene awareness to identify potential hazards to responders.

Geospatial Data Acquisition

- Orthomosaics.
- Elevation Surfaces.
- Digital Surface Models.

FAQ's

1. CAN WE FLY IN RAIN OR SNOW? - YES WE CAN
2. CAN WE FLY IN STRONG WINDS? - USUALLY YES, UP TO 45-50MPH
3. CAN WE FLY AT NIGHT? - YES, WE DO VERY FREQUENTLY
4. CAN WE FLY CUSTOM PAYLOADS? YES, WE CAN DO ROPE RUNS, EQUIPMENT MOVEMENT, GAS METERS, ETC. JUST TAKES SOME PLANNING.
5. IS THERE TIMES YOU CAN'T FLY? YES, THERE IS AIRSPACE AND WEATHER CONSIDERATIONS THAT MAY LIMIT OUR ABILITY TO FLY.
6. WHAT TRAINING OR STANDARDS DO YOU FOLLOW? OUR TEAMS ARE FAA COMPLIANT, NFPA 2400 & ASTM COMPLIANT, AND MI-MABAS/FEMA TYPE 1 AND 2 SUAS TEAM APPROVED.

WEATHER MINIMUMS

1. VISIBILITY 3NM OR GREATER *
 2. CEILING GREATER THAN 600FT *
 3. WINDS LESS THAN 30MPH GUSTS *
- * SOME SITUATIONS ALLOW FOR APPROVAL TO FLY BELOW MINIMUMS WITH COORDINATION WITH FAA SOFC *

RESOURCES AVAILABLE

AERIAL VISUAL DRONES	SONAR MAPPING/BATHYMETRY
AERIAL THERMAL DRONES	GROUND SCENE LIGHTING SYSTEMS
AERIAL SPOTLIGHT SYSTEMS	BASIC ROPE & WATER RESCUE SYSTEMS
AERIAL SPEAKERS SYSTEMS	DIVE TEAM CAPABILITIES
SURFACE WATER DRONES	MOBILE COMMAND CENTERS
UNDERWATER DRONES	MULTITUDE OF SOFTWARE SYSTEMS
UNDERWATER SONAR	FORENSIC DATA COLLECTION
SURFACE WATER SONAR	INTRINSICALLY SAFE EQUIPMENT