GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

ORLENE HAWKS
DIRECTOR

AGENDA
MICHIGAN FIRE FIGHTERS TRAINING COUNCIL REGULAR MEETING

Tuesday, November 10th, 2020
1:30 PM

Virtual Meeting via Zoom
Join from PC, Mac, Linux, iOS or Android:
https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fus02web.zoom.us%2Fj%2F85618149057%3Fpwd%3DYjZ4Vi9RRmVYWXlENmcyd2Ixc3dEZz09&data=04%7C01%7CKeownA%40michigan.gov%7C7a6668c364794c3611bd08d87c4765a1%7Cd5fb7087377742ad966a892ef47225d1%7C0%7C0%7C637395993377630345%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=aKKaRyAx1jXI8AUTVeU6gSTt3wvR4%2B7KncMAFF8CsS0%3D&reserved=0
Password: **LNAuq1**

Phone: (866) 390-1828 (US Toll Free)
Conference code: 394127

I.	Call to Order and Determination of Quorum	Chairperson Tackett
II.	Approval of Agenda	Chairperson Tackett
III.	Approval of Minutes: July 28, 2020 Special Meeting August 11, 2020 Regular Meeting August 11, 2020 Special Meeting	Chairperson Tackett
IV.	Communications	Chairperson Tackett
V.	State Fire Marshal's Report	Fire Marshal Sehlmeyer
VI.	Curriculum Work Group Report:	Councilperson Blomstrom
VII.	New Business	
	a. Draft Rules to Michigan Office Of Administrative Hearings And Rules (MOAHR)	Fire Marshal Sehlmeyer
	b. FY21 Grants	Fire Marshal Sehlmeyer
	c. Shiawassee County Live Fire Training Summary	Bill Pawluk
	d. Q Course Applications	Chairperson Tackett
	1. SOFA Advanced Forcible Entry Techniques	Robert Ginther
	2. SOFA Advanced Hose Management & Nozzle Attack	Robert Ginther
	3. SOFA Basic Ground Ladder Techniques	Robert Ginther
	4. SOFA Initial HazMat Operations	Robert Ginther
	5. SOFA Sustained HazMat Operations	Robert Ginther
	6. SOFA Advanced Ground Ladder Techniques	Robert Ginther
	7. SOFA Basic Forcible Entry Techniques	Robert Ginther

8.	SOFA Basic Hose Management & Nozzle Attack	Robert Ginther
9.	SOFA Mid-Rise and High-Rise Fire Ground Operations	Robert Ginther
10.	SOFA Thermal Imaging Camera Techniques	Robert Ginther
11.	Insight Fire Training, Tactical Thermal Imaging	Jacob Latson
12.	Rescue Our Crew	Derek Smith
13.	Michigan Urban Search & Rescue Awareness/Ops Rope Rescue	Dave VanHolstyn
14.	NWTC Vehicle Rescue Awareness, Operations and Technician	Jason Weber
15.	NWTC Vehicle Rescue Technician	Jason Weber
16.	NWTC Structural Collapse Rescue Technician	Jason Weber
17.	NWTC Trench Rescue Awareness and Operations	Jason Weber
18.	NWTC Confined Space Rescue Awareness and Operations	Jason Weber
19.	NWTC Confined Space Rescue Technician	Jason Weber
20.	NWTC Hazardous Materials Awareness and Operations	Jason Weber
21.	NWTC Hazardous Materials Technician	Jason Weber
22.	NWTC Rope Rescue Awareness and Operations	Jason Weber
23.	NWTC Rope Rescue Technician	Jason Weber
24.	NWTC Structural Collapse Rescue Awareness and Operations	Jason Weber
25.	NWTC Trench Rescue Awareness, Operations and Technician	Jason Weber
26.	NWTC Trench Rescue Technician	Jason Weber
27.	Modern Engine Operations	Steve Stawecki

VIII. Public Comment

IX. Council Comment

X. Adjournment — Chairperson Tackett

MINUTES
MICHIGAN FIRE FIGHTERS TRAINING COUNCIL SPECIAL MEETING
WORK SESSION – RULES

Thursday, July 28th, 2020
9:00 AM

Virtual Meeting via Zoom
Join from PC, Mac, Linux, iOS or Android:
https://zoom.us/j/98504264877?pwd=dlJ2QnJxTGt0ZjBXeDd2UEVxa3NRUT09
Password: **7iECRB**

Phone: (216) 706-7075
Or (866) 390-1828 (US Toll Free)
Conference code: 394127

MEMBERS PRESENT:

Chad Tackett, Chairperson, Michigan Association of Fire Chiefs
Brian Blomstrom, Vice Chair, Michigan Fire Service Instructors Association
Lynnae White, Michigan Fire Inspectors Society
Terrance Blackmer, Michigan State Firemen's Association
Greg Janik, Michigan Municipal League
Jacob Steichen, Nominee of the State Fire Marshal
Aileen Pettinger, Michigan Professional Firefighters Union
Kevin Sehlmeyer, State Fire Marshal, Ex-officio Member

MEMBERS ABSENT:

Alan Styles, Michigan Association of Fire Chiefs

BUREAU OF FIRE SERVICES STAFF PRESENT:

Andrea Keown, Department Technician, Fire Fighter Training Division/Recording Secretary
Hollie Metts, Assistant to the State Fire Marshal (virtual meeting moderator)

OTHERS IN ATTENDANCE:

Liz Arasim, Regulatory Affairs Officer, Office of Policy and Legislative Affairs
Adam Carroll, Hartland Deerfield Fire Department
Bill Forbush, MAFC – Northern Division
Brandon Hausbeck, Saginaw Twp. Fire Department
Christopher Van Loo, Saginaw Fire Department
David Pelton, Georgetown Twp. Fire Department
Greg Flynn, West Bloomfield Fire Department
Jack White, Shelby-Benona Fire Department
Jeff Roberts, Wixom Fire Department
Jim Peterson, Macomb Twp. Fire Department
Jim Stevenson, Warren Fire Department
Josh Mosher, Midland Fire Department
Ken Hobbs, Ypsilanti Fire Department
Lanej
Liam Carroll, Schoolcraft College RTC
Mark Cleveland, Egelston Twp. Fire Department
Matthew Covey, Waterford Twp. Fire Department
Michael McLeieer, Michigan State Fireman's Association
Mike Keefe, Allendale Fire Department
Paul Well, Birmingham Fire Department
Robert Bryant, West Bloomfield Fire Department
Robert Ginther, Beverly Hills Public Safety
Robert Glenn, Bangor Twp. Fire Department
Steven McKellar, Plainfield Twp Fire Department
Thea Dornbush, Muskegon Twp. Fire Department

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I. CALL TO ORDER AND DETERMINATION OF QUORUM:

Before **Chairperson Tackett** called the special meeting to order, he announced a roll call vote will be done for any motion put forth to council during this meeting and read the following introduction to everyone in the virtual meeting:

> *In order to minimize disruptions, until the time designated by the Council for public comment, members of the public will be muted to the Council and other attendees and participants. During the time designated by the Council for public comment, members of public will no longer be muted and may participate and provide their comments by orderly speaking using the microphone on their phone. All existing Council rules regarding public comment (including rules designed to minimize disruptions and allow for full public participation) still apply.*
>
> *All quorum rules still apply. In the event of a disconnection caused by the meeting host, the Council will be considered to be in recess. Every effort will be made to reestablish a publicly accessible connection. If the host is unable to do so within a period of 30 minutes from the time of the disconnection, the Council will adjourn and not address any new business until its next meeting. Any decisions made prior to the disconnection will be binding. The Council will not recess or adjourn due to technical or other issues experienced by individual members of the public that render them unable to attend or participate in the meeting."*

Chairperson Tackett called the special meeting session to order at 9:03 A.M. Roll call was taken

Chairperson Tackett – present
Councilperson Blomstrom – present
Councilperson Styles – absent
Councilperson White – present
Councilperson Blackmer – present
Councilperson Janik– present
Councilperson Steichen – present
Councilperson Pettinger – present
Fire Marshal Sehlmeyer – present

A quorum was determined present.

II. REVIEW AND APPROVAL OF AGENDA:

20-07-03
A **MOTION** was made by **Councilperson White** and seconded by **Councilperson Blomstrom** to approve the July 28th, 2020 special meeting agenda, as presented.

A roll call vote was taken.

Chairperson Tackett – yes
Councilperson Blomstrom – yes
Councilperson Styles – absent
Councilperson White –yes
Councilperson Blackmer – yes
Councilperson Janik– yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer – yes

Eight votes yes. **MOTION CARRIED.**

III. COMMUNICATIONS:

None.

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IV. NEW BUSINESS:

a. **Fire Fighter Training Council General Rules Update:** A revised draft of the Fire Fighter Training Council General Rules (dated July 9th, 2020) was provided to the council in their meeting packets and projected for all attendees to view during the work session. FFTD Department Technician, Andrea Keown made changes to the working draft document per the discussion. The meeting resumed with council working through the draft document making changes to grammar and adding clarifying language throughout. Council revisited items that were noted in a letter from the Michigan Association of Fire Chiefs.

   Elizabeth Arasim from the Office of Policy and Legislative Affairs summarized the rulemaking process for the council and members of the public. For a more in depth breakdown of the rulemaking process, click here.

V. PUBLIC COMMENT:

Rob Ginther, Beverly Hills Public Safety: Clarified for Council the language he provided regarding Q Courses for clarification.

Dave Pelton, Georgetown Twp. Fire Department: Inquired about how the state will be running academies during COVID-19 for the upcoming year.

Liam Carroll, Schoolcraft College RTC: Asked via Zoom chat, if a college/university RTC is looking to run a virtual academy this fall, does it need a specific MFFTC approval request on the agenda for the next meeting?

VI. COUNCIL COMMENT:

Councilperson Blomstrom: Thanked everyone for their time. Received a question regarding the progress of the pilot Fire Officer I course and where BFS is with making it an official course.

Councilperson White: Thanked everyone for putting up with her and her list for the draft rules. Glad we are getting closer and is looking forward to getting these rules done.

Councilperson Blackmer: Happy that we are nearing the end, looks forward to moving it ahead in the rulemaking process.

Councilperson Janik: Great job today, very happy with the progress council has made.

Councilperson Steichen: Appreciates everyone involved and looks forward to the next meeting.

Councilperson Pettinger: Echoes Lynnae's comments. Thank you Andrea and Liz for your efforts and being patient with us. Looks forward to wrapping up the rules.

Fire Marshal Sehlmeyer: Thanked everyone for their time and effort. Spoke about how the pilot Fire Officer I online course is going. Would like to have it ready to officially roll out in October.

VII. ADJOURNMENT:

20-07-04
A **MOTION** was made by **Councilperson Janik** and seconded by **Councilperson Pettinger** to adjourn the special meeting/work session.

A roll call vote was taken.

Chairperson Tackett – yes
Councilperson Blomstrom – yes
Councilperson Styles – absent
Councilperson White –yes
Councilperson Blackmer – yes
Councilperson Janik– yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer – yes

Eight votes yes. **MOTION CARRIED.** The meeting adjourned at 11:29 AM.

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APPROVED:

_____
Chairperson Tackett

_____
Councilmember

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MINUTES
MICHIGAN FIRE FIGHTERS TRAINING COUNCIL REGULAR MEETING
WORK SESSION – RULES

Tuesday, August 11th, 2020
1:30 PM

Virtual Meeting via Zoom
Join from PC, Mac, Linux, iOS or Android:
https://zoom.us/j/99161602018?pwd=U2hWNXg5Nk1ObER0RDRrdmZxaTNiQT09
Password: **4pTzCF**

Phone: (216) 706-7075
Or (866) 390-1828 (US Toll Free)
Conference code: 394127

MEMBERS PRESENT:
Chad Tackett, Chairperson, Michigan Association of Fire Chiefs
Brian Blomstrom, Vice Chair, Michigan Fire Service Instructors Association
Alan Styles, Michigan Association of Fire Chiefs
Lynnae White, Michigan Fire Inspectors Society
Terrance Blackmer, Michigan State Firemen's Association
Greg Janik, Michigan Municipal League
Jacob Steichen, Nominee of the State Fire Marshal
Aileen Pettinger, Michigan Professional Firefighters Union
Kevin Sehlmeyer, State Fire Marshal, Ex-officio Member

MEMBERS ABSENT:
None

BUREAU OF FIRE SERVICES STAFF PRESENT:
Dan Hammerbrg, Region 1 Coordinator, Fire Fighter Training Division
Andrea Keown, Department Technician, Fire Fighter Training Division/Recording Secretary
Hollie Metts, Assistant to the State Fire Marshal (virtual meeting moderator)

OTHERS IN ATTENDANCE:
Adam Carroll, Hartland Deerfield Fire Department
Andy Down, Long lake Twp. Fire Department
Aric Massingill, Adrian Fire Department
Bill Parker, Northwest RFTC
Bill Pawluk, Lansing Community College Fire
Brandon Hausbeck, Saginaw Twp. Fire Department
Brian Marquardt, Eastpointe Fire Department
Bryan Kukla, Frankenlust Twp. Fire Department
Chip Everett, Portage Public Safety
Chris Coughlin, Midland Fire Department
Christopher Van Loo, Saginaw Fire Department
Corey Miller, Berkley Dept. Of Public Safety
Dan Besson, Leland Twp. Fire Department
David Pelton, Walker Fire Department
Joseph Grutza, Retired
Jim Fisher, Gerrish Twp. Fire Department
Jim Peterson, Macomb Twp. Fire Department
Josh Mosher, Midland Fire Department
Kurt Corradi, Bay City Fire Department
Liam Carroll, Schoolcraft College RTC
Lisa Hoffer, Keystone Solutions
Mark Cleveland, Egelston Twp. Fire Department
Mark Nicolai, Muskegon Twp. Fire Department
Michael McLeieer, Michigan State Firemens Assoc.
Michael Yanz, NIESA
Mike Counsins, Thomas Twp. Fire Department

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Mike Keefe, Allendale Fire Department
Philip Duczyminski, Novi Fire Department
Rob Ginther, Beverly Hills Dept. Of Public Safety
Robert Vogel, South Lyon Fire Department
Scott Damon, Cambridge Twp Fire Department
Thea Dornbush, Muskegon Twp. Fire Department

I. CALL TO ORDER AND DETERMINATION OF QUORUM:

Before **Chairperson Tackett** called the special meeting to order, Andrea Keown from the Bureau of Fire Services, Fire Fighting Training Division read the following:

"I have just a brief house-keeping announcement to make. Due to logistical and storage issues, the Board will no longer be recording these remote meetings. However, if you would like to record the meeting using the Zoom software, please just let us know using the chat function, and we will turn that feature on for you. Unfortunately, due to limitations with the software, we are not able to set this up for everyone automatically. It needs to be done manually for each person. Yet please also note that you are free to continue to record these meetings yourself by any other means you wish. Nothing has changed in that regard. There are no recording restrictions for these meetings. But if you choose to use the Zoom software we are providing for you, again, unfortunately, we must manually turn that feature on for you. We apologize for the inconvenience."

Chairperson Tackett then announced a roll call vote will be done for any motion put forth to council during this meeting and read the following introduction to everyone in the virtual meeting:

"In order to minimize disruptions, until the time designated by the Council for public comment, members of the public will be muted to the Council and other attendees and participants. During the time designated by the Council for public comment, members of public will no longer be muted and may participate and provide their comments by orderly speaking using the microphone on their phone. All existing Council rules regarding public comment (including rules designed to minimize disruptions and allow for full public participation) still apply.

All quorum rules still apply. In the event of a disconnection caused by the meeting host, the Council will be considered to be in recess. Every effort will be made to reestablish a publicly accessible connection. If the host is unable to do so within a period of 30 minutes from the time of the disconnection, the Council will adjourn and not address any new business until its next meeting. Any decisions made prior to the disconnection will be binding. The Council will not recess or adjourn due to technical or other issues experienced by individual members of the public that render them unable to attend or participate in the meeting."

Chairperson Tackett called the special meeting session to order at 1:31 PM, a roll call was taken

Chairperson Tackett – present
Councilperson Blomstrom – present
Councilperson Styles – present
Councilperson White – present
Councilperson Blackmer – present
Councilperson Janik– present
Councilperson Steichen – present
Councilperson Pettinger – present
Fire Marshal Sehlmeyer – present

A quorum was determined present.

II. REVIEW AND APPROVAL OF AGENDA:

20-08-03
A **MOTION** was made by **Councilperson Janik** and seconded by **Councilperson Pettinger** to approve the August 11th, 2020 regular meeting agenda, as presented.

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A roll call vote was taken.

Chairperson Tackett – yes
Councilperson Blomstrom – yes
Councilperson Styles – yes
Councilperson White –yes
Councilperson Blackmer – yes
Councilperson Janik – yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer - yes

Nine votes yes. **MOTION CARRIED.**

III. REVIEW AND APPROVAL OF MINUTES:

20-08-04
A **MOTION** was made by **Councilperson Steichen** and seconded by **Councilperson Blackmer** to approve the following minutes as presented:

June 4, 2020 Special Meeting
June 9, 2020 Regular Meeting
June 9, 2020 Special Meeting
June 25, 2020 Special Meeting
July 9, 2020 Special Meeting

No roll call vote was taken on the above motion as Councilperson Janik made the Motion below.

20-08-05
A **MOTION** by **Councilperson Janik** and seconded by **Councilperson Blomstrom** to change a typo on the June 4th minutes that will need to be corrected before posting minutes.

A roll call vote was taken.

Chairperson Tackett – yes
Councilperson Blomstrom – yes
Councilperson Styles – yes
Councilperson White –yes
Councilperson Blackmer – yes
Councilperson Janik – yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer - yes

Nine votes yes. **MOTION CARRIED.**

IV. COMMUNICATIONS:

Fire Marshal Sehlmeyer: As mentioned during the work session that he finally received the MAFC letter addressed to Council dated August 4, 2020.

V. STATE FIRE MARSHAL'S REPORT:

1. **COVID-19 Updates:** Fire Marshal Sehlmeyer informed everyone about the new Executive Orders:

   Executive Order 2020-159 now allows colleges and universities to address social distancing and use space that is typically not used for instructional space (i.e., field houses, student center, etc.) for instructional learning. This Executive Order waives the long process of getting those

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types of facilities to be approved for instructional learning. This Executive Order expires at the end of the emergency declaration.

Executive Order 2020-160 now prohibits any indoor social gatherings of more than 10 people statewide. We are allowed to continue to do training with the precautions of screening participants, health checks at the door, and wearing masks.

Executive Order 2020-162 is an Amendment to Executive Order 2020-160, The restriction described in section 1 of Executive Order 2020-160 does not apply in Regions 6 and 8. Instead, in Regions 6 and 8, any work that is capable of being performed remotely (i.e., without the worker leaving his or her home or place of residence) should be performed remotely.

2. **Legislative Updates**

   Fire Marshal Sehlmeyer spoke about House Bill 4792 that is being generated out of the upper peninsula regarding unattended fueling, if this were to pass it would mean that gas stations could just turn on their pumps, they would not have to have anyone working there and you could fuel your vehicle. In the tank rules, we do not allow unattended fueling in the state of Michigan. There always has to be an attendant present. There is a carve out in the current tank rules allowing some commercial fueling centers to allow for unattended pumps, however Fire Services is opposed to the Bill. Wants to send a big thank you to all the fire service organizations showing support for their opposition of House Bill 4792.

   A house bill that passed that was signed by the Governor that goes in to effect on October 6, 2020 that changes PA 291, by amending Section 29.369 stating that you cannot train with Class B AFFF foam.

3. **Class B AFFF Collection Program:**

   a. Total gallons collected:
      i. As of 8/10/2020: 42,564
      ii. Collected last week 8/3/20 through 8/7/20: 410
   b. Total gallons remaining to be collected: 5,655
   c. Deadline extended through the end of September.

4. **Fire Officer I Roll Out:** Fire Marshall Sehlmeyer explained that we (BFS) have learned a lot during this process. We ended up with 19 students from all over Michigan. We tried to divide it up evenly into a third of students from career departments, a third from combination (paid/on call) departments, and a third from volunteer departments. We have over 80 people who applied to the program. The feedback from student has been positive. They liked the process and found the J&B platform easy to use. With that being said, virtual Fire Officer I is definitely an option that we should move forward. I think we can roll out an Officer II rather quickly after this. We expect to announce the Train the Trainer around the middle of September and hold it around October 1st.

5. **CTC Training Needs Survey for FY21:**

   a. Reminder was sent via email to CTCs last week. The information was also sent out on GovDelivery.
   b. Fire Department Surveys due to CTC's by 9/10/20.
   c. CTC training needs due to BFS by 9/25/20.
   d. Requirement per PA 291 to receive funding
   e. Must be NFIRS compliant.

6. **Wednesday Wrap-Up:** Fire marshal confirmed that Wednesday Wrap-Up's will continue bi-weekly through the end of October.

7. **2020 Fatal Fires:** As of August 5, 2020 there have been 84 fire related deaths. We have got the $250,000 that the state and LARA gave us towards the effort of reducing fire fatalities this year.

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We have bought fire alarms, carbon monoxide detectors, Nest detectors that will go to families with disabilities as well as bed shakers. We are also using some of those funds to produce informational videos on how the fire service can best interact with people that have disabilities.

8. **Revised Course Summary:** The fire marshal provided council with a revised Course Summary was ran on Monday and has been posted on the Training Division webpage. The Fire Marshal noted the Course Summary that was provided to council and reiterated the importance of chiefs keeping their rosters up to date, so the statistics are as accurate as possible. If anyone has any questions on anything, please reach out to Dan Hammerberg or Fire Marshal Sehlmeyer.

9. **Funding Balance as of 8/11/2020:** Fire Marshal Sehlmeyer conveyed that due to Covid-19, there has been money coming back because of cancelled courses, we will fund every single project that council has set money aside for.

VI. CURRICULUM WORK GROUP REPORT:

Councilperson Blomstrom conveyed that there is no reason for the curriculum work group to meet until BFS gets working on a fire officer II exam.

VIII. NEW BUSINESS:

1. **Draft Rules to Michigan Office Of Administrative Hearings and Rules (MOAHR):** Fire Marshal Sehlmeyer mentioned at the last rules work session, council talked about where they were at with the rules process, so this was a place holder in the event council felt they were in a place to vote to move the rules forward to MOAHR.

20-08-06

A **MOTION** was made by **Councilperson Blomstrom** and supported by **Councilperson Pettinger** to take the rules document as it is currently and move them on to MOAHR.

Chairperson Tackett – no
Councilperson Blomstrom – yes
Councilperson Styles – no
Councilperson White –yes
Councilperson Blackmer – yes
Councilperson Janik – no
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer – yes

Six votes yes, three votes no. **MOTION CARRIED.**

2. **Fire Officer I&II:** Fire Marshal Sehlmeyer spoke on the success of the pilot virtual fire officer I course and with evolving learning platforms and the ongoing Covid-19 situation, he is looking for support from the council to allow the Bureau of Fire Services to move forward with a separate virtual fire officer I & II that minimally meets the NFPA 1021 objectives and Job Performance Requirements.

20-08-07

A **MOTION** was made by **Councilperson Janik** and supported by **Chairperson Chad Tackett** to move forward with separate fire officer I, fire officer II virtual courses

Chairperson Tackett – yes
Councilperson Blomstrom – yes
Councilperson Styles – yes

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Councilperson White –yes
Councilperson Blackmer – yes
Councilperson Janik – yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer – yes

Nine votes yes. **MOTION CARRIED.**

3. **FY21 Funding:** Fire Marshal Sehlmeyer shared that the $2.3 million is doable with the budget. Reminds council that $80,000 comes off the top for joint council before we divide the money based on Motion 20-06-09 from the June council meeting and every county will get $17,500.

20-08-08

A **MOTION** was made by **Councilperson Steichen** and supported by **Chairperson Tackett** to request to allocate $2.3 million for Fiscal Year 2021 for Fire Fighter Training.

Chairperson Tackett – yes
Councilperson Blomstrom – yes
Councilperson Styles – yes
Councilperson White –yes
Councilperson Blackmer – yes
Councilperson Janik – yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer – yes

Nine votes yes. **MOTION CARRIED.**

4. **COVID/Fire Training:** Fire marshal shared that he has been getting a lot of phone calls from counties regarding how we move ahead with training during Covid-19 and going forward if hybrid (face to face with virtual) options will be available to those who wish to utilize that means of course delivery.

20-08-09

A **MOTION** was made by **Councilperson Styles** and supported by **Chairperson Tackett** to allow fire fighter I& II with HazMat ops to be done virtually following a recognized virtual platform using IFSTA or Jones & Bartlett with the ability to have interactive time along with physical meeting times while following the most current Executive Order guidelines.

Chairperson Tackett – yes
Councilperson Blomstrom – yes
Councilperson Styles – yes
Councilperson White – yes
Councilperson Blackmer – yes
Councilperson Janik – yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer – yes

Nine votes yes. **MOTION CARRIED.**

5. **MRFTC Pilot Hybrid Firefighter I&II Course:** Bill Parker thanked council for allowing this to be on the agenda, the overall proposed course is trying to incorporate a mix of the virtual and not losing the in person portion of the class. Fire Marshal conveyed that this hybrid course would fall under Motion 20-08-09 above, therefore should not require a separate vote since council

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already voted to approve hybrid courses. Bill Parker agreed that this course falls in line with everything that was discussed in the previous motion. Council agreed that a separate vote is not necessary.

6. **Schoolcraft College RTC Hybrid Firefighter I&II Course:** Liam Carroll mirrored Bill Parker that his course also falls under Motion 20-08-09. Council agreed that a separate vote is not necessary.

IX. PUBLIC COMMENT:

Rob Ginther, Beverly Hills Public Safety: Appreciates everything council does. He submitted his Q Course applications in the 11th hour, however, is disappointment with not having his ten (10) Q Courses on the August agenda. Was really hoping to get the courses funded and feels the opportunity is missed now. Thanked council for all the hard work they are doing.

Fire Marshal Sehlmeyer apologized for the oversight by the bureau and explained to Mr. Ginther that funds for courses are released on October 1st and funds do not have to be encumbered until December 31st, so the funds for the Q Courses will be there. Fire marshal confirmed we have the course applications and guarantees that the ten Q courses will be on the Agenda for the October council meeting.

X. COUNCIL COMMENT:

Councilperson Tackett: Echoes Councilperson Steichen about how Fire Marshal Sehlmeyer puts in a lot of time and came in and cared about fire services as a whole. Kudos to you and your staff for all the hours you put forth. Thanks council for all the effort they have put forth.

Councilperson Blomstrom: Echos what councilperson Blackmer and Pettinger said about the document and the process. It was a good feeling to be able to making the motion to have the rules move forward and also to have the feeling that council did a good job. Council listened to what consitiuents and other organizations had to say and made changes where council felt was necessary. At the very end it is what benefits the fire services and the right decision to move it forward was made today. Very happy that we are at the point ot move it on.

Councilperson Styles: Glad we are moving forward and will continue to go on.

Councilperson White: Thanked everyone for attending everything and is happy where we are.

Councilperson Blackmer: Missed the morning session but was able to hear public comment and differing opinions. Wanted to say that he received a lot of phone calls from people who were in different organizations and listened to each one open mindedly and had really good dialogue with these people. Feels the document is good for the fire service, may not have every detail that every firefighter wants, but overwhelmingly, it is a good document that helps the fire services. Excited about the online courses rolling. Does not think that the online courses are going to replace the traditional academies.

Councilperson Janik: Grateful for all the council members and the work they have done and for the associations and organizations that have put us back on track and is truly grateful. Thankful to the state fire marshal for being receptive to change along with the council members to work towards a consensus driven document. Happy to be at this point. Thanks everyone.

Councilperson Steichen: Excited about getting through this lengthy process. A lot of the feedback was great and really appreciates the fire marshal and all his efforts over the past two years. Thanks everyone on the board and thanks everyone that attends the meetings and provides feedback.

Councilperson Pettinger: Thank you everyone for their input over the last 43 meetings. We listened to all the different organizations and tried to get input from everyone. Appreciates all the council for all the work that everyone has done. Feels proud of the document council moved forward today.

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Fire Marshal Sehlmeyer: Thanks everyone on council for all their hard work. Appreciates that the fire service is reaching out to council and that they feel more comfortable with reaching out. We are moving forward; we have a lot of great stuff still to do in the state of things that are going to change and things we are going to learn. Thanks council for being open to these ideas and the hours you are and have been putting in.

d) ADJOURNMENT:

20-08-10
A **MOTION** was made by **Councilperson Janik** and seconded by **Councilperson Pettinger** to adjourn the meeting. A roll call vote was taken.

Chairperson Tackett – yes
Councilperson Blomstrom – yes
Councilperson Styles – yes
Councilperson White – yes
Councilperson Blackmer – yes
Councilperson Janik – yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer – yes

Eight votes yes. **MOTION CARRIED.** The meeting adjourned at 3:16 PM

APPROVED:

_____
Chairperson Tackett

_____
Councilmember

DRAFT

MINUTES
MICHIGAN FIRE FIGHTERS TRAINING COUNCIL SPECIAL MEETING
WORK SESSION – RULES

Tuesday, August. 11th, 2020
9:00 AM

Virtual Meeting via Zoom
Join from PC, Mac, Linux, iOS or Android:
https://zoom.us/j/99161602018?pwd=U2hWNXg5Nk1ObER0RDRrdmZxaTNiQT09
Password: **4pTzCF**

Phone: (216) 706-7075
Or (866) 390-1828 (US Toll Free)
Conference code: 394127

MEMBERS PRESENT:

Chad Tackett, Chairperson, Michigan Association of Fire Chiefs
Brian Blomstrom, Vice Chair, Michigan Fire Service Instructors Association
Alan Styles, Michigan Association of Fire Chiefs
Lynnae White, Michigan Fire Inspectors Society
Greg Janik, Michigan Municipal League
Jacob Steichen, Nominee of the State Fire Marshal
Aileen Pettinger, Michigan Professional Firefighters Union
Kevin Sehlmeyer, State Fire Marshal, Ex-officio Member

MEMBERS ABSENT:

Terrance Blackmer, Michigan State Firemen's Association

BUREAU OF FIRE SERVICES STAFF PRESENT:

Andrea Keown, Department Technician, Fire Fighter Training Division/Recording Secretary
Hollie Metts, Assistant to the State Fire Marshal (virtual meeting moderator)
Dan Hammerberg, Region 1 Coordinator, Fire Fighter training Division

OTHERS IN ATTENDANCE:

Liz Arasim, Regulatory Affairs Officer, Office of Policy and Legislative Affairs
Adam Carroll, Hartland Deerfield Fire Department
Andy Pless, Howell Fire Department
Aric Massingill, Adrian Fire Department
Brian Michelli, Fruitport Twp. Fire Department
Christopher Van Loo, Saginaw Fire Department
Dave Glotzbach, Muskegon Twp. Fire Department
David Mc Inally, Van Buren Dept. Of Public Safety
David Pelton, Walker Fire Department
Joseph Grutza, Retired
Jack White, Shelby-Benona Fire Department
Jim Peterson, Macomb Twp. Fire Department
Jim Fisher, Gerrish Twp. Fire Department
John LeRoy, Bloomfield Twp. Fire Department
Josh Mosher, Midland Fire Department
Kurt Corradi, Bay City Fire Department
Liam Carroll, Schoolcraft College RTC
Mark Cleveland, Egelston Twp. Fire Department
Michael Yanz, NIESA
Mike Burke, Elba Twp. Fire Department
Mike Keefe, Allendale Fire Department
Mike Koehler, Troy Fire Department
Robert Smith, Dowagiac Fire Department
Scott Damon, Cambridge Twp Fire Department
Thea Dornbush, Muskegon Twp. Fire Department

DRAFT

I. CALL TO ORDER AND DETERMINATION OF QUORUM:

Before **Chairperson Tackett** called the special meeting to order, Andrea Keown from the Bureau of Fire Services, Fire Fighting Training Division read the following:

"I have just a brief house-keeping announcement to make. Due to logistical and storage issues, the Board will no longer be recording these remote meetings. However, if you would like to record the meeting using the Zoom software, please just let us know using the chat function, and we will turn that feature on for you. Unfortunately, due to limitations with the software, we are not able to set this up for everyone automatically. It needs to be done manually for each person. Yet please also note that you are free to continue to record these meetings yourself by any other means you wish. Nothing has changed in that regard. There are no recording restrictions for these meetings. But if you choose to use the Zoom software we are providing for you, again, unfortunately, we must manually turn that feature on for you. We apologize for the inconvenience."

Chairperson Tackett then announced a roll call vote will be done for any motion put forth to council during this meeting and read the following introduction to everyone in the virtual meeting:

"In order to minimize disruptions, until the time designated by the Council for public comment, members of the public will be muted to the Council and other attendees and participants. During the time designated by the Council for public comment, members of public will no longer be muted and may participate and provide their comments by orderly speaking using the microphone on their phone. All existing Council rules regarding public comment (including rules designed to minimize disruptions and allow for full public participation) still apply.

All quorum rules still apply. In the event of a disconnection caused by the meeting host, the Council will be considered to be in recess. Every effort will be made to reestablish a publicly accessible connection. If the host is unable to do so within a period of 30 minutes from the time of the disconnection, the Council will adjourn and not address any new business until its next meeting. Any decisions made prior to the disconnection will be binding. The Council will not recess or adjourn due to technical or other issues experienced by individual members of the public that render them unable to attend or participate in the meeting."

Chairperson Tackett called the special meeting session to order at 9:03 A.M. Roll call was taken

Chairperson Tackett – present
Councilperson Blomstrom – present
Councilperson Styles – present
Councilperson White – present
Councilperson Blackmer – absent
Councilperson Janik– present
Councilperson Steichen – present
Councilperson Pettinger – present
Fire Marshal Sehlmeyer – present

A quorum was determined present.

II. REVIEW AND APPROVAL OF AGENDA:

20-08-01
A **MOTION** was made by **Councilperson Janik** and seconded by **Councilperson Pettinger** to approve the August 11th, 2020 special meeting agenda, as presented.

A roll call vote was taken.

Chairperson Tackett – yes
Councilperson Blomstrom – yes

DRAFT

Councilperson Styles – yes
Councilperson White –yes
Councilperson Blackmer – absent
Councilperson Janik– yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer – yes

Eight votes yes. **MOTION CARRIED.**

III. COMMUNICATIONS:

Chairperson Steichen: Received communication from Peninsula Township concerning language in the Fire Inspector classification in the draft rules.

Fire Marshal Sehlmeyer: Received the letter from the Michigan Association of Fire Chiefs on August 4th, 2020.

IV. NEW BUSINESS:

a. **Fire Fighter Training Council General Rules Update:** A revised draft of the Fire Fighter Training Council General Rules (dated July 9th, 2020) was provided to the council in their meeting packets and projected for all attendees to view during the work session. FFTD Department Technician, Andrea Keown made changes to the working draft document per the discussion. The meeting resumed with council working through the draft document making changes to grammar and adding clarifying language to the fire inspector and fire investigator classifications.

V. PUBLIC COMMENT:

Andy Pless, Howell Fire Department: Voiced that he feels the new rules regarding reciprocity are not all inclusive, making it difficult for departments and agencies to hire qualified candidates.

Mark Cleveland, Egelston Twp. Fire Department: Mentioned the letter from the Michigan Association of Fire Chiefs (MAFC) was emailed to the council via their Michigan.gov email accounts on August 5th, 2020.

Adam Carroll, Hartland Deerfield Fire Department: Stated he feels that the feedback from council regarding the MAFC letter has been lacking. The topics covered in the letter have been the same as the original letter in March. The issues are put in black and white and have the risk of unintended consequences, not the least of which is if we have set a number of hours on something. The opposite side of the coin in that is someone seeing the set number and only doing that amount of hours. The same goes for mandatory in class attendance; we end up painting ourselves in to a corner where we don't have the ability to accommodate for different learning styles that would ultimately result in a successful firefighter in the state.

VI. COUNCIL COMMENT:

Councilperson Blomstrom: Appreciates that we are getting correspondence. We have made a lot of headway with what that chiefs have sent us. In the very end, we have a good, concise document that meets the idea of what the fire service needs. Looks forward to moving on with the rules and voting it through in the council meeting this afternoon.

Councilperson Styles: Flabbergasted that this comes out to be a "chiefs" thing. I have spoken to numerous people on other members boards that have gotten zero communication from their representatives. So maybe we're the only ones writing letters because we're communicating with our boards. I am representing 400 chiefs and we came to that (the letter) as a consensus. Is the document perfect? No, but we understand that, and we can also look at it from the grand scheme.

Councilperson White: Thanked everyone involved and hanging with council during this process. Happy with the rules and looking forward to the rules moving forward.

Councilperson Janik: Tremendous collaborative effort between the council, organizations, chiefs

DRAFT

association, we have achieved so many things and narrowed down the list, however there are some discrepancies that can be worked out. I am listening to the intent of the original authors and to continue on that course.

Councilperson Steichen: Appreciates the feedback and attendance from all the chiefs. We've had a nine patchwork of all the fire industry at some of these meetings. I've listened to every chiefs comment, read every email and taken it all in to consideration through the last 2 years of building what I feel this document should look like and I'm content, so thank you, thank everyone for their time and effort.

Councilperson Pettinger: Apologized to chiefs, did not realize the letter was stacked with a different email. She did receive it. Feels like we have addressed a lot of the issues in some form or manner. Has spoken with her organization regarding the rules, they brought up issues that were addressed throughout the process.

Fire Marshal Sehlmeyer: Appreciates what Councilperson Janik shared regarding intent of original authors. Has spoken to many of the original authors that have conveyed that they are good with where the rules are at, while some others are not. At the end we tried to account for ultimately what is going to work for all 83 counties for the whole fire service regardless of any groups that anyone belongs to. Thanks to the council for all their hard work during the 43 work sessions. Thank you to the folks who continue to reach out and participate in public comment.

VII. **ADJOURNMENT:**

20-08-02
A **MOTION** was made by **Councilperson Steichen** and seconded by **Councilperson Blomstrom** to adjourn the special meeting/work session.

A roll call vote was taken.

Chairperson Tackett – yes
Councilperson Blomstrom – yes
Councilperson Styles – yes
Councilperson White –yes
Councilperson Blackmer – absent
Councilperson Janik– yes
Councilperson Steichen – yes
Councilperson Pettinger – yes
Fire Marshal Sehlmeyer – yes

Eight votes yes. **MOTION CARRIED.** The meeting adjourned at 12:16 PM.

APPROVED:

_____
Chairperson Tackett

_____
Councilmember

DRAFT

FMQ20-016

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Advanced Forcible Entry Techniques	
Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Advanced Forcible Entry Techniques course will provide students the opportunity to improve and enhance their Forcible Entry skills to effectively obtain entry into a building in the safest and most efficient manner to protect life and property; through both lecture and practical exercises. Students will participate in practical scenarios that involve on various forcible entry props designed for this purpose.

Applicable NFPA Standard(s): NFPA 1001, NFPA 1410, NFPA 1936, MI-OSHA Part 74

Class Capacity: 30	**Total Hours of Training:** 8

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME:	SOFA Advanced Forcible Entry Techniques
SUBMITTED BY:	South Oakland Fire Association - Robert Ginther, SMOKE #550703
COURSE CODE:	TBD
COURSE DATE:	TBD
COURSE TIME:	TBD
FORMAT:	Lecture/Practical
COURSE HOURS:	8
NUMBER OF INSTRUCTORS:	6
INSTRUCTOR FEE LIMIT:	$2640.00
REFERENCES:	NFPA 1001, NFPA 1410, NFPA 1936, MI-OSHA Part 74
DESCRIPTION:	The SOFA Advanced Forcible Entry Techniques course will provide students the opportunity to improve and enhance their Forcible Entry skills to effectively obtain entry into a building in the safest and most efficient manner to protect life and property; through both lecture and practical exercises. Students will participate in practical scenarios that involve on various forcible entry props designed for this purpose.

OBJECTIVES: At the end of this session, the student will have the ability to:

I. Force entry through an inward swinging door with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)
II. Force entry through an outward swinging door with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)
III. Force entry through a window with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)
IV. Break locks with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)
V. Pull hinges with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)
VI. Force entry through a wood framed wall with powered rescue tools (rotary rescue saw, chain saw, pneumatic impact tools, etc.)
VII. Force entry through a metal overhead door with powered rescue tools (rotary rescue saw, chain saw, pneumatic impact tools, etc.)
VIII. Force entry through a metal swinging door with powered rescue tools (rotary rescue saw, chain saw, pneumatic impact tools, etc.)
IX. Force entry through metal security bars with powered rescue tools (rotary rescue saw, chain saw, pneumatic impact tools, etc.)

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

EVALUATIONS: The following methods will be utilized to evaluate both the students and instructors

I. Students will participate in practical scenarios demonstrating techniques learned from this training

II. A debriefing will take place at the end of each station to review content and execution methods in order to ensure that students are comprehending the material.

III. A course evaluation which will review class content and presentation methods will be filled out by the course participants.

South Oakland Fire Association

TRAINING NOTICE

Advanced Forcible Entry Techniques

COURSE NAME:	SOFA Advanced Forcible Entry Techniques
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Advanced Forcible Entry Techniques course will provide students the opportunity to improve and enhance their Forcible Entry skills to effectively obtain entry into a building in the safest and most efficient manner to protect life and property; through both lecture and practical exercises. Students will participate in practical scenarios that involve on various forcible entry props designed for this purpose.

Self-registration in the SMOKE system does not guarantee a seat.
Registration in this course requires approval of Course Manager.

"Q" COURSE APPLICATION

FMQ20-017

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Advanced Hose Management & Nozzle Attack	
Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Advanced Hose Management & Nozzle Attack course will provide students the opportunity to improve and enhance their hose line deployment and control skills as well as to effectively contribute to fire control and suppression operations in the safest and most efficient manner to protect life and property; through both lecture and practical exercises.

Applicable NFPA Standard(s): NFPA 1001, NFPA 1410, NFPA 1961, NFPA 1962, NFPA 1963, NFPA 1964, NFPA 1965

Class Capacity: 30	**Total Hours of Training:** 8

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME:	SOFA Advanced Hose Management & Nozzle Attack
SUBMITTED BY:	South Oakland Fire Association - Robert Ginther, SMOKE #550703
COURSE CODE:	TBD
COURSE DATE:	TBD
COURSE TIME:	TBD
FORMAT:	Lecture/Practical
COURSE HOURS:	8
NUMBER OF INSTRUCTORS:	6
INSTRUCTOR FEE LIMIT:	$2640.00
REFERENCES:	NFPA 1001, NFPA 1410, NFPA 1961, NFPA 1962, NFPA 1963, NFPA 1964, NFPA 1965
DESCRIPTION:	The SOFA Advanced Hose Management & Nozzle Attack course will provide students the opportunity to improve and enhance their hose line deployment and control skills as well as to effectively contribute to fire control and suppression operations in the safest and most efficient manner to protect life and property; through both lecture and practical exercises.

OBJECTIVES: At the end of this session, the student will have the ability to:

I. Deploy pre-connected 1 ¾" and 2 ½" fire attack hose lines
II. Deploy bundled 1 ¾" and 2 ½" fire attack hose lines
III. Advance uncharged 1 ¾" and 2 ½" fire attack hose lines
IV. Advance charged 1 ¾" and 2 ½" fire attack hose lines
V. Deploy 4" or 5" LDH supply hose lines
VI. Operate a solid stream nozzle
VII. Operate and fog streak nozzle
VIII. Attack a structure fire from the exterior
IX. Attack a structure fire from the interior
X. Adjust attack lines with various hose appliances (gated wye, adapters and reducers, etc.)
XI. Connect attack lines with varied threads (NST, DST, etc.) with various hose appliances (gated wye, adapters and reducers, etc.)
XII. Place a foam line in service using an in-line eductor
XIII. Repack and all utilized 1 ¾", 2 ½" fire attack and 4" or 5" LDH supply lines on apparatus

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

EVALUATIONS: The following methods will be utilized to evaluate both the students and instructors

I. Students will participate in practical scenarios demonstrating techniques learned from this training

II. A debriefing will take place at the end of each station to review content and execution methods in order to ensure that students are comprehending the material.

III. A course evaluation which will review class content and presentation methods will be filled out by the course participants.

South Oakland Fire Association

TRAINING NOTICE

Advanced Hose Management & Nozzle Attack

COURSE NAME:	SOFA Advanced Hose Management & Nozzle Attack
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Advanced Hose Management & Nozzle Attack course will provide students the opportunity to improve and enhance their hose line deployment and control skills as well as to effectively contribute to fire control and suppression operations in the safest and most efficient manner to protect life and property; through both lecture and practical exercises.

Self-registration in the SMOKE system does not guarantee a seat.
Registration in this course requires approval of Course Manager.

"Q" COURSE APPLICATION

FMQ20-018

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Basic Ground Ladder Techniques	
Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Basic Ground Ladder Techniques course will provide students the opportunity to improve and enhance their skills to effectively retrieve, carry and deploy ground ladders in the safest and most efficient manner to complete fire ground operational tasks that protect life and property; through both lecture and practical exercises.

Applicable NFPA Standard(s): NFPA 1001, NFPA 1410, NFPA 1931, MI-OSHA Part 74

Class Capacity: 30	**Total Hours of Training:** 4

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME: SOFA Basic Ground Ladder Techniques

SUBMITTED BY: South Oakland Fire Association - Robert Ginther, SMOKE #550703

COURSE CODE: TBD

COURSE DATE: TBD

COURSE TIME: TBD

FORMAT: Lecture/Practical

COURSE HOURS: 4

NUMBER OF INSTRUCTORS: 6

INSTRUCTOR FEE LIMIT: $1320.00

REFERENCES: NFPA 1001, NFPA 1410, NFPA 1931, MI-OSHA Part 74

DESCRIPTION: The SOFA Basic Ground Ladder Techniques course will provide students the opportunity to improve and enhance their skills to effectively retrieve, carry and deploy ground ladders in the safest and most efficient manner to complete fire ground operational tasks that protect life and property; through both lecture and practical exercises.

OBJECTIVES: At the end of this session, the student will have the ability to:

I. Retrieve 24', 28', and 35' ground ladders from apparatus
II. Perform 24', 28', and 35' ground ladder carries and raises
III. Deploy 24', 28', and 35' ground ladders
IV. Work off of 24', 28', and 35' ground ladders
V. Extend the fly on 24', 28', and 35' ground ladders
VI. Tie off halyards
VII. Stow 24', 28', and 35' ground ladders back on apparatus

EVALUATIONS: The following methods will be utilized to evaluate both the students and instructors

I. Students will participate in practical scenarios demonstrating techniques learned from this training
II. A debriefing will take place at the end of each station to review content and execution methods in order to ensure that students are comprehending the material.
III. A course evaluation which will review class content and presentation methods will be filled out by the course participants.

South Oakland Fire Association

TRAINING NOTICE

Basic Ground Ladder Techniques

COURSE NAME:	SOFA Basic Ground Ladder Techniques
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Basic Ground Ladder Techniques course will provide students the opportunity to improve and enhance their skills to effectively retrieve, carry and deploy ground ladders in the safest and most efficient manner to complete fire ground operational tasks that protect life and property; through both lecture and practical exercises.

Self-registration in the SMOKE system does not guarantee a seat.
Registration in this course requires approval of Course Manager.

"Q" COURSE APPLICATION

FMQ20-019

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

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SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Initial HAZMAT Operations

Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Initial HAZMAT Operations course provides the students the opportunity to refresh their knowledge of Hazardous Materials and the appropriate methods for first responders to respond to releases or potential releases of hazardous substances. At the end of this session students will be able to understand recognize a HAZMAT incident and execute an initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release.

Applicable NFPA Standard(s): NFPA 1001, NFPA 1410, NFPA 1500, SARA Title I & III, CFR 1910.132, MI-OSHA Part 74

Class Capacity: 30	**Total Hours of Training:** 4

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME:	SOFA Initial HAZMAT Operations
SUBMITTED BY:	South Oakland Fire Association - Robert Ginther, SMOKE #550703
COURSE CODE:	TBD
COURSE DATE:	TBD
COURSE TIME:	TBD
FORMAT:	Lecture
COURSE HOURS:	4
NUMBER OF INSTRUCTORS:	2
INSTRUCTOR FEE LIMIT:	$440.00
REFERENCES:	NFPA 1001, NFPA 1410, NFPA 1500, SARA Title I & III, CFR 1910.132, MI-OSHA Part 74

DESCRIPTION: The SOFA Initial HAZMAT Operations course provides the students the opportunity to refresh their knowledge of Hazardous Materials and the appropriate methods for first responders to respond to releases or potential releases of hazardous substances. At the end of this session students will be able to understand recognize a HAZMAT incident and execute an initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release.

OBJECTIVES: At the end of this session, the student will have the ability to:

I. Recognize a HAZMAT incident
II. Identify needed resources
III. Understand the appropriate actions to take
IV. Utilize the Emergency Response Guidebook to identify materials
V. Establish the appropriate HAZMAT Emergency Condition Level
VI. Communicate the incident status with responding HAZMAT team
VII. Understand Reports and Documentation Needed
VIII. Assist the HAZMAT team

EVALUATIONS: The following methods will be utilized to evaluate both the students and instructors

I. Students will participate in practical scenarios demonstrating techniques learned from this training

South Oakland Fire Association
Lesson Plan
18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

II. A debriefing will take place at the end of each station to review content and execution methods in order to ensure that students are comprehending the material.

III. A course evaluation which will review class content and presentation methods will be filled out by the course participants.

South Oakland Fire Association

TRAINING NOTICE

Initial HAZMAT Operations

COURSE NAME:	SOFA Initial HAZMAT Operations
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Initial HAZMAT Operations course provides the students the opportunity to refresh their knowledge of Hazardous Materials and the appropriate methods for first responders to respond to releases or potential releases of hazardous substances. At the end of this session students will be able to understand recognize a HAZMAT incident and execute an initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release.

Self-registration in the SMOKE system does not guarantee a seat.
Registration in this course requires approval of Course Manager.

"Q" COURSE APPLICATION

FMQ20-020

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Sustained HAZMAT Operations	
Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Initial HAZMAT Operations course provides the students the opportunity to refresh their knowledge of Hazardous Materials and the appropriate methods for first responders to respond to releases or potential releases of hazardous substances. At the end of this session students will be able to understand recognize a HAZMAT incident, execute an initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release and assist the HAZAMT team with mitigation and decontamination of responders.

Applicable NFPA Standard(s): NFPA 1001, NFPA 1410, NFPA 1500, SARA Title I & III, CFR 1910.132, MI-OSHA Part 74

Class Capacity: 30	**Total Hours of Training:** 8

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME:	SOFA Sustained HAZMAT Operations
SUBMITTED BY:	South Oakland Fire Association - Robert Ginther, SMOKE #550703
COURSE CODE:	TBD
COURSE DATE:	TBD
COURSE TIME:	TBD
FORMAT:	Lecture/Practical
COURSE HOURS:	8
NUMBER OF INSTRUCTORS:	4
INSTRUCTOR FEE LIMIT:	$1760.00
REFERENCES:	NFPA 1001, NFPA 1410, NFPA 1500, SARA Title I & III, CFR 1910.132, MI-OSHA Part 74

DESCRIPTION: The SOFA Sustained HAZMAT Operations course provides the students the opportunity to refresh their knowledge of Hazardous Materials and the appropriate methods for first responders to respond to releases or potential releases of hazardous substances. At the end of this session students will be able to understand recognize a HAZMAT incident, execute an initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release and assist the HAZAMT team with mitigation and decontamination of responders.

OBJECTIVES: At the end of this session, the student will have the ability to:

I. Recognize a HAZMAT incident
II. Identify needed resources
III. Understand the appropriate actions to take
IV. Utilize the Emergency Response Guidebook to identify materials
V. Establish the appropriate HAZMAT Emergency Condition Level
VI. Communicate the incident status with responding HAZMAT team
VII. Understand Reports and Documentation Needed
VIII. Assist the HAZMAT team with donning PPE
IX. Assist the HAZMAT team with Decontamination
X. Assist the HAZMAT team with doffing PPE

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

EVALUATIONS: The following methods will be utilized to evaluate both the students and instructors

I. Students will participate in practical scenarios demonstrating techniques learned from this training

II. A debriefing will take place at the end of each station to review content and execution methods in order to ensure that students are comprehending the material.

III. A course evaluation which will review class content and presentation methods will be filled out by the course participants.

South Oakland Fire Association

TRAINING NOTICE

Sustained HAZMAT Operations

COURSE NAME:	SOFA Sustained HAZMAT Operations
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Sustained HAZMAT Operations course provides the students the opportunity to refresh their knowledge of Hazardous Materials and the appropriate methods for first responders to respond to releases or potential releases of hazardous substances. At the end of this session students will be able to understand recognize a HAZMAT incident, execute an initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release and assist the HAZAMT team with mitigation and decontamination of responders.

Self-registration in the SMOKE system does not guarantee a seat.
Registration in this course requires approval of Course Manager.

"Q" COURSE APPLICATION

FMQ20-021

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Advanced Ground Ladder Techniques

Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Advanced Ground Ladder Techniques course will provide students the opportunity to improve and enhance their skills to effectively retrieve, carry and deploy ground ladders in the safest and most efficient manner to complete fire ground operational tasks that protect life and property; through both lecture and practical exercises.

Applicable NFPA Standard(s): NFPA 1001, NFPA 1410, NFPA 1931, MI-OSHA Part 74

Class Capacity: 30	**Total Hours of Training:** 8

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME:	SOFA Advanced Ground Ladder Techniques
SUBMITTED BY:	South Oakland Fire Association - Robert Ginther, SMOKE #550703
COURSE CODE:	TBD
COURSE DATE:	TBD
COURSE TIME:	TBD
FORMAT:	Lecture/Practical
COURSE HOURS:	8
NUMBER OF INSTRUCTORS:	6
INSTRUCTOR FEE LIMIT:	$2640.00
REFERENCES:	NFPA 1001, NFPA 1410, NFPA 1931, MI-OSHA Part 74
DESCRIPTION:	The SOFA Advanced Ground Ladder Techniques course will provide students the opportunity to improve and enhance their skills to effectively retrieve, carry and deploy ground ladders in the safest and most efficient manner to complete fire ground operational tasks that protect life and property; through both lecture and practical exercises.

OBJECTIVES: At the end of this session, the student will have the ability to:

I. Retrieve 10' or 12' roof ladders as well 24', 28', and 35' ground ladders from apparatus
II. Perform 24', 28', and 35' ground ladder carries and raises
III. Deploy 24', 28', and 35' ground ladders
IV. Work off of 24', 28', and 35' ground ladders
V. Extend the fly on 24', 28', and 35' ground ladders
VI. Tie off halyards
VII. Perform rescues on a 24', 28', and 35' ground ladders
VIII. Perform 10' or 12' roof ladder carries and raises
IX. Deploy 10' or 12' roof ladder
X. Work off of a 10' or 12' roof ladder
XI. Stow 10' or 12' roof ladders as well as 24', 28', and 35' ground ladders back on apparatus

EVALUATIONS: The following methods will be utilized to evaluate both the students and instructors

I. Students will participate in practical scenarios demonstrating techniques learned from this training

South Oakland Fire Association

Lesson Plan

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II. A debriefing will take place at the end of each station to review content and execution methods in order to ensure that students are comprehending the material.

III. A course evaluation which will review class content and presentation methods will be filled out by the course participants.

South Oakland Fire Association

TRAINING NOTICE

Advanced Ground Ladder Techniques

COURSE NAME:	SOFA Advanced Ground Ladder Techniques
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Advanced Ground Ladder Techniques course will provide students the opportunity to improve and enhance their skills to effectively retrieve, carry and deploy ground ladders in the safest and most efficient manner to complete fire ground operational tasks that protect life and property; through both lecture and practical exercises.

Self-registration in the SMOKE system does not guarantee a seat.
Registration in this course requires approval of Course Manager.

FMQ20-022

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Basic Forcible Entry Techniques

Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Basic Forcible Entry Techniques course will provide students the opportunity to improve and enhance their Forcible Entry skills to effectively obtain entry into a building in the safest and most efficient manner to protect life and property; through both lecture and practical exercises. Students will participate in practical scenarios that involve on various forcible entry props designed for this purpose.

Applicable NFPA Standard(s): NFPA 1001, NFPA 1410, MI-OSHA Part 74

Class Capacity: 30	**Total Hours of Training:** 4

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME:	SOFA Basic Forcible Entry Techniques
SUBMITTED BY:	South Oakland Fire Association - Robert Ginther, SMOKE #550703
COURSE CODE:	TBD
COURSE DATE:	TBD
COURSE TIME:	TBD
FORMAT:	Lecture/Practical
COURSE HOURS:	4
NUMBER OF INSTRUCTORS:	6
INSTRUCTOR FEE LIMIT:	$1320.00
REFERENCES:	NFPA 1001, NFPA 1410, MI-OSHA Part 74

DESCRIPTION: The SOFA Basic Forcible Entry Techniques course will provide students the opportunity to improve and enhance their Forcible Entry skills to effectively obtain entry into a building in the safest and most efficient manner to protect life and property; through both lecture and practical exercises. Students will participate in practical scenarios that involve on various forcible entry props designed for this purpose.

OBJECTIVES: At the end of this session, the student will have the ability to:

I. Force entry through an inward swinging door with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)
II. Force entry through an outward swinging door with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)
III. Force entry through a window with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)
IV. Break locks with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)
V. Pull hinges with hand tools (flat head axe, pick head axe, Halligan bar, pry bar, etc.)

EVALUATIONS: The following methods will be utilized to evaluate both the students and instructors

I. Students will participate in practical scenarios demonstrating techniques learned from this training
II. A debriefing will take place at the end of each station to review content and execution methods in order to ensure that students are comprehending the material.

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

III. A course evaluation which will review class content and presentation methods will be filled out by the course participants.

South Oakland Fire Association

TRAINING NOTICE

Basic Forcible Entry Techniques

COURSE NAME:	SOFA Basic Forcible Entry Techniques
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Basic Forcible Entry Techniques course will provide students the opportunity to improve and enhance their Forcible Entry skills to effectively obtain entry into a building in the safest and most efficient manner to protect life and property; through both lecture and practical exercises. Students will participate in practical scenarios that involve on various forcible entry props designed for this purpose.

Self-registration in the SMOKE system does not guarantee a seat. Registration in this course requires approval of Course Manager.

FMQ20-023

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Basic Hose Management & Nozzle Attack

Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Basic Hose Management & Nozzle Attack course will provide students the opportunity to improve and enhance their hose line deployment and control skills as well as to effectively contribute to fire control and suppression operations in the safest and most efficient manner to protect life and property; through both lecture and practical exercises.

Applicable NFPA Standard(s): NFPA 1001, NFPA 1410, NFPA 1961, NFPA 1962, NFPA 1963,NFPA 1964, NFPA 1965

Class Capacity: 30	**Total Hours of Training:** 4

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME:	SOFA Basic Hose Management & Nozzle Attack
SUBMITTED BY:	South Oakland Fire Association - Robert Ginther, SMOKE #550703
COURSE CODE:	TBD
COURSE DATE:	TBD
COURSE TIME:	TBD
FORMAT:	Lecture/Practical
COURSE HOURS:	4
NUMBER OF INSTRUCTORS:	6
INSTRUCTOR FEE LIMIT:	$1320.00
REFERENCES:	NFPA 1001, NFPA 1410, NFPA 1961, NFPA 1962, NFPA 1963, NFPA 1964, NFPA 1965

DESCRIPTION: The SOFA Basic Hose Management & Nozzle Attack course will provide students the opportunity to improve and enhance their hose line deployment and control skills as well as to effectively contribute to fire control and suppression operations in the safest and most efficient manner to protect life and property; through both lecture and practical exercises.

OBJECTIVES: At the end of this session, the student will have the ability to:

I. Deploy pre-connected 1 ¾" and 2 ½" fire attack hose lines
II. Deploy bundled 1 ¾" and 2 ½" fire attack hose lines
III. Advance uncharged 1 ¾" and 2 ½" fire attack hose lines
IV. Advance charged 1 ¾" and 2 ½" fire attack hose lines
V. Deploy 4" or 5" LDH supply hose lines
VI. Operate a solid stream nozzle
VII. Operate and fog streak nozzle
VIII. Attack a structure fire from the exterior
IX. Attack a structure fire from the interior
X. Repack and all utilized 1 ¾", 2 ½" fire attack and 4" or 5" LDH supply lines on apparatus

EVALUATIONS: The following methods will be utilized to evaluate both the students and instructors

I. Students will participate in practical scenarios demonstrating techniques learned from this training

South Oakland Fire Association

TRAINING NOTICE

Basic Hose Management & Nozzle Attack

COURSE NAME:	SOFA Basic Hose Management & Nozzle Attack
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Basic Hose Management & Nozzle Attack course will provide students the opportunity to improve and enhance their hose line deployment and control skills as well as to effectively contribute to fire control and suppression operations in the safest and most efficient manner to protect life and property; through both lecture and practical exercises.

Self-registration in the SMOKE system does not guarantee a seat.
Registration in this course requires approval of Course Manager.

"Q" COURSE APPLICATION

FMQ20-024

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Mid-Rise and High-Rise Fire Ground Operations

Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Mid-Rise and High-Rise Fire Ground Operations course will provide students the opportunity to improve and enhance their abilities to operate at the scene of a multi-level structure through both lecture and practical exercises. Students will participate in practical scenarios that involve fire suppression, search and rescue, vertical ventilation, and aerial operations.

Applicable NFPA Standard(s): NFPA 14, NFPA 1001, NFPA 1002, NFPA 1410, NFPA1710, NFPA 1720, NFPA 1911 & NFPA 1932

Class Capacity: 30	**Total Hours of Training:** 8

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME:	SOFA Mid-Rise and High-Rise Fire Ground Operations
SUBMITTED BY:	South Oakland Fire Association - Robert Ginther, SMOKE #550703
COURSE CODE:	TBD
COURSE DATE:	TBD
COURSE TIME:	TBD
FORMAT:	Lecture/Practical
COURSE HOURS:	8
NUMBER OF INSTRUCTORS:	10
INSTRUCTOR FEE LIMIT:	$4400.00
REFERENCES:	NFPA 14, NFPA 1001, NFPA 1002, NFPA 1410, NFPA1710, NFPA 1720, NFPA 1911 & NFPA 1932

DESCRIPTION: The SOFA Mid-Rise and High-Rise Fire Ground Operations course will provide students the opportunity to improve and enhance their abilities to operate at the scene of a multi-level structure through both lecture and practical exercises. Students will participate in practical scenarios that involve fire suppression, search and rescue, vertical ventilation, and aerial operations.

OBJECTIVES: At the end of this session, the student will have the ability to:

I. Understand the management of fire ground and applicable I.C.S. positions using Division and Group assignments
II. Effectively set up standpipe operations for suppression
III. Hose line advancement
IV. Ventilate a window from an aerial truck and/or ground ladder
V. Ventilate a roof from an aerial truck and/or ground ladder
VI. Perform 24', 28', and 35' ground ladder carries and raises
VII. Deploy 24', 28', and 35' ground ladders
VIII. Perform 10' or 12' roof ladder carries and raises
IX. Deploy 10' or 12' roof ladder
X. Work off of a 10' or 12' roof ladder
XI. Estimate hose length needs and extending attack lines
XII. Effectively use an aerial waterway as a standpipe
XIII. Access the roof top from aerial device (platform or ladder)
XIV. Victim rescue from a balcony or roof top (stokes basket optional)
XV. Demonstrate proper aerial apparatus placement and deployment for elevated master streams

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Lesson Plan

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EVALUATIONS: The following methods will be utilized to evaluate both the students and instructors

I. Students will participate in practical scenarios demonstrating techniques learned from this training

II. A debriefing will take place at the end of each station to review content and execution methods in order to ensure that students are comprehending the material.

III. A course evaluation which will review class content and presentation methods will be filled out by the course participants.

South Oakland Fire Association

TRAINING NOTICE

Mid-Rise and High-Rise Fire Ground Operations

COURSE NAME:	SOFA Mid-Rise and High-Rise Fire Ground Operations
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Mid-Rise and High-Rise Fire Ground Operations course will provide students the opportunity to improve and enhance their abilities to operate at the scene of a multi-level structure through both lecture and practical exercises. Students will participate in practical scenarios that involve fire suppression, search and rescue, vertical ventilation, and aerial operations.

Self-registration in the SMOKE system does not guarantee a seat.
Registration in this course requires approval of Course Manager.

FMQ20-025

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Robert Ginther		**Pin Number:** 550703	**Date:** 7/27/2020
Host Fire Department: South Oakland Fire Association (SOFA)			**County:** Oakland
Applicant Street Address: 18600 West Thirteen Mile Road			
City: Beverly Hills	**State:** MI	**Zip Code:** 48025	**Email:** rginther@beverlyhillspolice.com
Applicant Phone Number: (248) 540-3417		**Alternate Number:** (248) 721-0758	

SECTION II

Seminar/Course Name: SOFA Thermal Imaging Camera Techniques

Instructor(s): SOFA Instructors	**Instructor Email/URL:** rginther@beverlyhillspolice.com
Instructor Phone Number: (248) 721-0758	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The SOFA Thermal Imaging Camera Techniques course provides the students the opportunity to become familiar with the capabilities of a Thermal Imaging Camera (TIC) and operate them in the most efficient manner to complete fire ground operational tasks that protect life and property; through both lecture and practical exercises.

Applicable NFPA Standard(s): NFPA 1001, NFPA 1410, NFPA 1801

Class Capacity: 30	**Total Hours of Training:** 4

SECTION III

Applicant Signature:	**Date:** 7/27/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

South Oakland Fire Association

Lesson Plan

18600 West Thirteen Mile Road – Beverly Hills – MI – 48025
Phone: 248-540-3400 – Fax: 248-540-3437

COURSE NAME:	SOFA Thermal Imaging Camera Techniques
SUBMITTED BY:	South Oakland Fire Association - Robert Ginther, SMOKE #550703
COURSE CODE:	TBD
COURSE DATE:	TBD
COURSE TIME:	TBD
FORMAT:	Lecture/Practical
COURSE HOURS:	4
NUMBER OF INSTRUCTORS:	2
INSTRUCTOR FEE LIMIT:	$440.00
REFERENCES:	NFPA 1001, NFPA 1410, NFPA 1801
DESCRIPTION:	The SOFA Thermal Imaging Camera Techniques course provides the students the opportunity to become familiar with the capabilities of a Thermal Imaging Camera (TIC) and operate them in the most efficient manner to complete fire ground operational tasks that protect life and property; through both lecture and practical exercises.
OBJECTIVES:	At the end of this session, the student will have the ability to: I. Identify heat signatures II. Understand the effects of thermal reflections III. Understand thermal latency IV. Understand insulation and thermal barriers
EVALUATIONS:	The following methods will be utilized to evaluate both the students and instructors I. Students will participate in practical scenarios demonstrating techniques learned from this training II. A debriefing will take place at the end of each station to review content and execution methods in order to ensure that students are comprehending the material. III. A course evaluation which will review class content and presentation methods will be filled out by the course participants.

South Oakland Fire Association

TRAINING NOTICE

Thermal Imaging Camera Techniques

COURSE NAME:	SOFA Thermal Imaging Camera Techniques
COURSE DATE:	TBD
COURSE TIME:	TBD
COURSE CODE:	TBD
COURSE COST:	TBD
REGISTRATION:	Contact Course Manager
LOCATON:	Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
CONTACT:	Robert Ginther Beverly Hills Public Safety Department 18600 West Thirteen Mile Road Beverly Hills, MI 48025
PHONE:	(248) 540-3417
E-MAIL:	rginther@beverlyhillspolice.com
DESCRIPTION:	The SOFA Thermal Imaging Camera Techniques course provides the students the opportunity to become familiar with the capabilities of a Thermal Imaging Camera (TIC) and operate them in the most efficient manner to complete fire ground operational tasks that protect life and property; through both lecture and practical exercises.

Self-registration in the SMOKE system does not guarantee a seat.
Registration in this course requires approval of Course Manager.

FMQ20-026

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jacob Latson		**Pin Number:** 572780	**Date:** 08/29/2020
Host Fire Department: Pittsfield Township			**County:** Washtenaw
Applicant Street Address: 6227 W Michigan Ave			
City: Ann Arbor	**State:** MI	**Zip Code:** 48108	**Email:** latson3146@yahoo.com
Applicant Phone Number: 810-599-6562		**Alternate Number:** 810-599-6562	

SECTION II

Seminar/Course Name: Insight Fire Training, Tactical Thermal Imaging	
Instructor(s): Andy Starnes, Jake Latson, Joey Baxa, Thomas Anderson	**Instructor Email/URL:** latson3146@yahoo.com
Instructor Phone Number: 810-599-6562	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Instruction on tactical thermal imaging, see attached for detailed information

Applicable NFPA Standard(s): 1408,1801,1851,1971	
Class Capacity: 20	**Total Hours of Training:** 8 hours and 16 hour courses

SECTION III

Applicant Signature:	**Date:** 08/29/2020

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Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

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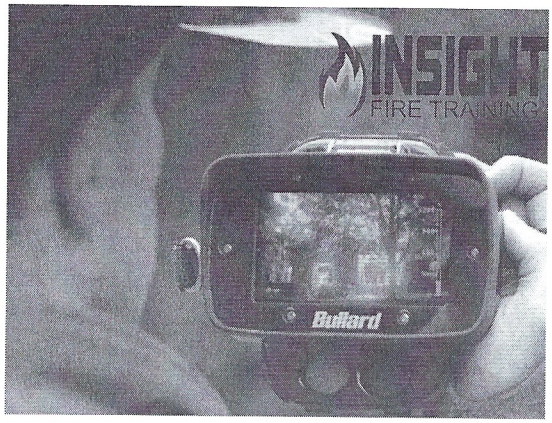
www.insighttrainingllc.com
205 Belvedere Ave, Shelby NC 28150
704-507-7156



Tactical Thermal Imaging-Enhancing Fire Ground Strategies & Tactics:

Course Objectives and Syllabus for Basic & Advanced Tactical Thermal Imaging-Enhancing Fire Ground Strategies and Tactics:

Reference Materials: Information, Standards, Concepts, and Techniques are drawn from the following texts. This curriculum exceeds the standards in the following NFPA standards:

NFPA 1408 Standard for Training Fire Service Professional in the Operation, Care, Use, and Maintenance of Thermal Imagers (see specific requirements on the following pages)

NFPA 1801: Standard on Thermal Imaging Cameras for the Fire Service

NFPA 1851: Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting

NFPA 1971: Protective Garments for Structure and Proximity Firefighting

Information in the curriculum is drawn from the following documents:

- NIST Amon, F., Bryner, N., and Hamins, A., "Thermal Image Research Needs for First Responders: Workshop Proceedings", NIST Special Publication 1040, 2005.

- NIST Technical Note 1499 Performance Metrics for Fire Fighting Thermal Imaging Cameras – Small- and Full-Scale Experiments

- NIST Technical Note 1474 Thermal Environment for Electronic Equipment Used by First Responders.

- NIST Technical Note 1724 Fire Exposures of Fire Fighter Self-Contained Breathing Apparatus Facepiece Lenses.

- NIST Technical Note 1709 Examination of the Thermal Conditions of a Wood Floor Assembly above a Compartment Fire.

- Analysis of Changing Residential Fire Dynamics and Its Implications on Firefighter Operational Timeframes (UL):

- Improving Fire Safety by Understanding the Fire Performance of Engineered Floor Systems and Providing the Fire Service with Information for Tactical Decision Making (UL)

- Understanding & Fighting Basement Fires:

- Evaluation of Thermal Imaging Camera Spot Temperature Measurements in Structure Fires

- Euro Firefighter 2 by Paul Grimwood

- 3-D Firefighting by Paul Grimwood, Shan Raffel, Ed Hartin, and John McDonough

This course curriculum covers the following concepts and objectives which are listed in the following fire service documents NFPA 1408*: Standard for Training*

Fire Service Personnel in the Operation, Care, Use, and Maintenance of Thermal Imagers.

Program-NFPA 1408 4.1.1 "A TI training program shall be implemented"-Insight Training LLC is the only recognized thermography-based fire service training curriculum internationally that is peer reviewed by Infrared Training Centers (an accredited thermography training institution). I

n 2020, students can register anywhere in the United States and receive a thermography based certification that meets & exceeds the two existing NFPA thermal imaging standards (NFPA 1408 and 1801). This certification is exclusively offered through Infrared Training Center and Insight Training LLC. Insight Training LLC's materials are copyright protected, trademarked, and peer reviewed by Project Kill the Flashover (An Applied Science Research Organization).

Our materials are in use in the following thermal imaging manufacturer's training programs: FLIR, Leader, Seek Thermal, Bullard, 3M Scott Safety.

Our work can be found in Firehouse Magazine, Fire Engineering, International Firefighter Magazine, Carolina Fire Rescue Journal, and numerous fire service websites.

Insight Instructor Requirements:

Insight Training LLC Instructors are proficient in over 75 models of thermal imaging cameras and have published a Thermal Imaging Camera Guide to assist firefighters with understanding these specific functions. Insight Training LLC has trained thermal imaging manufacturers, salespersons, and written articles on behalf of major thermal imaging manufacturers such as FLIR, Bullard, Leader, Scott, and Seek Thermal.

Insight Instructors are a minimum of Level I Thermography Certified through Infrared Training Center. They are veteran fire service instructors from municipal departments from across the United States. They are certified as instructors and undergo rigorous training and education before they are allowed to serve as a lead instructor. The reading material list for an Insight Training Instructor is over 3,000 pages and takes on average of 12 months to complete the requirements prior to being allowed to serve as an instructor. They follow a strict values statement that if not adhered by which will result in the loss of their employment with Insight Training LLC.

Each class is customized to the host organization's specific needs, brand/model of thermal imaging camera, specific time requirements, and we offer them numerous resources to continue their training and education.

The mission, vision, and values of Insight Fire Training are explained in the following document on the next page.

Mission Statement:

Specializing in fire service training, enhancing fundamentals through education, technology, & training in context. Level 1 Thermography Certified. Our mission is to clarify the often complicated and confusing world of thermal imaging & fire behavior concepts into experientially relevant examples that firefighters can use to enhance their daily fire ground operations resulting in intelligently aggressive firefighting operations.

Vision Statement:

To enhance firefighting strategies and tactics to rescue victims up to 70% faster, extinguish the fire faster, and reduce firefighter injuries and deaths.

Values:

Insight Fire Training LLC values are honesty, servant hood, integrity, hard work. Our services and respective partners shall abide by these values and our values shall determine our relationships. The fire service is the people business and we are a business of creating & developing strong relationships within the fire service. We believe in lifting others up, sharing knowledge, and teaching others in ways that educate but never intimidate. In short, our instructors are to be examples of humble servants to others.

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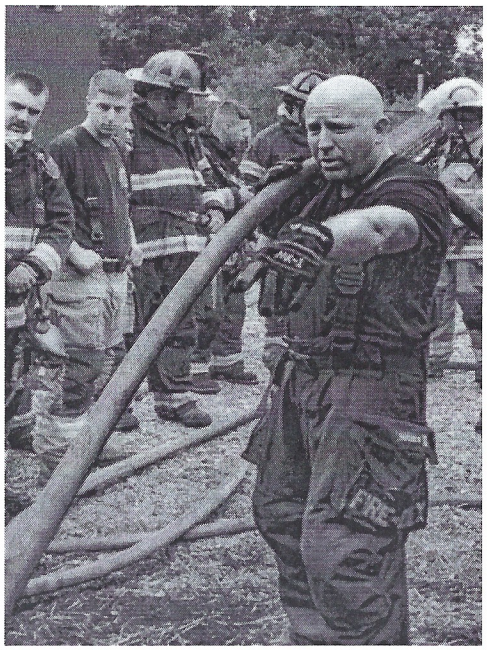
KTF BURNS

INSIGHT FIRE TRAINING

Instructor Andy Starnes

- Level II Thermography Certified
- Internationally Recognized and Credentialed Thermal Imaging Training Program
- Insight Training LLC
- 704-507-7156

itc



INSIGHT FIRE TRAINING

Instructor Thomas Anderson

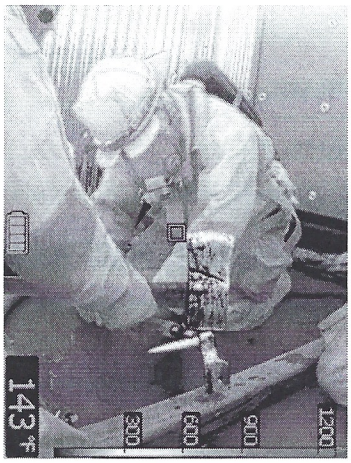
- Insight Training LLC
- Level I Thermography Certified
- 859-358-6201
- Tanderson.insight@gmail.com

FoxFury Lighting Solutions

INSIGHT FIRE TRAINING

Instructor Jake Latson

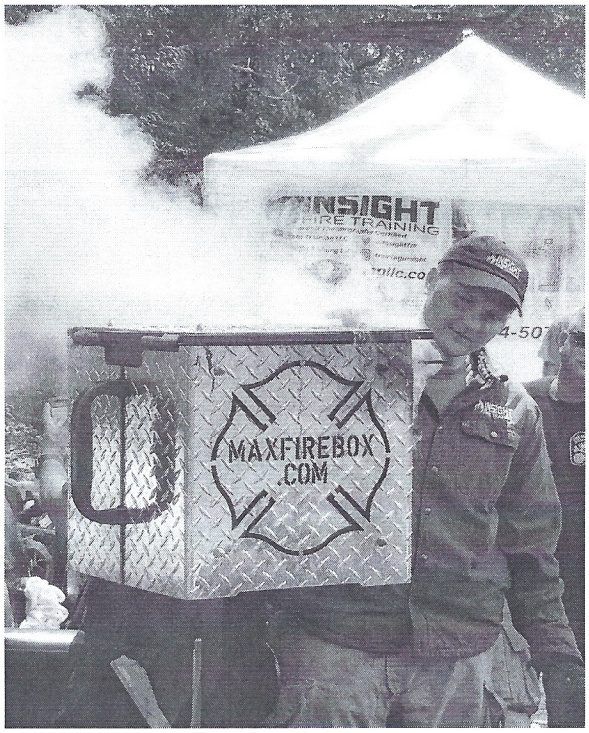
- Rapid Intervention SME
- Forcible Entry, & Ladder Company Operations
- Level I Thermography Certified
- *810-599-6562*
- *Latson3146@yahoo.com*



INSIGHT FIRE TRAINING

Instructor Joey Baxa

- 14-year Veteran of the Fire Service
- Captain with Buckhannon FD
- Level I Thermography Certified
- Adjunct Instructor at WVU



Course Objectives & Syllabus: 8 hour Introduction Course.

This program is designed to be offered via a classroom and with a Max Fire Box for Fire Behavior Demonstrations.

- **Students will learn the key attributes of thermal imaging: Field of view, temperature modes and associated color palettes specific to the brand of TIC their organization uses.**
- **Students will learn the functional modes (application based), Resolution and how it affects their decision-making abilities (image clarity and how it is affected by environmental factors), Distance to Spot Ratio (how the environment and distance affects this) and Emissivity.**
- **Students will also learn advanced features or options: Specific features of their specific brand of thermal imaging camera that are considered optional are covered in the lecture portion such as: hot spot tracker, image enhancement (otherwise known as interpolation shown in the above image), zoom features, video/picture options etc.**
- **Students will learn understanding Thermal Severity specifically how heat, temperature, and heat flux affect their performance, their PPE, and fire growth. Concepts such as thermal classifications, PPE failure rates, and the human body's inability to discern temperature accurately will be explained in depth. This is evidence-based data and is cited via research documents and Line of Duty Death Reports.**
- **The student will learn the differences between the two predominant types of Fire Service TIC's: Situational Awareness TIC's and Decision-Making TIC's. Specific manufacturer examples and their specifications will**

be shown along with examples of correct & incorrect use of both types of Thermal Imaging Cameras.

- Individual and department specific examples of these TIC's will be shown in an easy to use and interpret format for training and education use. The key attributes of each brand specific TIC are listed, explained, and differences are shown in these areas in various models.
- Thermal Imaging Contraindications: Students learn the contraindications of TI use-reflections (glass, metal, and low emissive materials), inability to see through flames, danger of uniform temperatures, cold smoke and moisture effects on TI, misinterpretation (user error), spot temperature contraindications, well insulated objects and thermal bridges, and false readings (emissive materials and thermal inversion).

- Application: Students will cover a variety of Tactical TIC use in the environment firefighters work in such as: Size-up, Fire Attack (line placement and directing hose streams), Search & Rapid Intervention, Accountability and Orientation, Preventing Thermal Insult, Ventilation, Overhaul, Exposure Protection.

- Also, examples will be given to cover use in the following areas: Motor vehicle accidents, Down Power lines & electrical emergencies, Hazardous Material Incidents, Water Rescues, Wildland Fire applications, Preplanning and building construction. Students will focus primarily on fire ground applications in the areas of measuring heat, size-up, locating the fire & directing suppression efforts, enhanced search methodology, and ventilation efforts.

Intermediate 8 hour Classroom & Live Fire Training Objectives:

Students will cover the aforementioned materials in the introduction class in a four classroom followed by four hours of live fire training consisting of the following objective driven learning stations:

The following live fire conditions will be prepared in a three-station format, so the students may rotate through consecutively.

Station 1: Tactical 360-Enhanced Size-up: Students will be escorted by an instructor and conduct a proper 360-degree survey and note the thermal cues they were taught previously. Each student will note the hottest area, the coldest area, points of egress (check them for victims, building lay-out, and location of fire), and they will define their entry point based on this information.

Station 2: Go/No Go Decision Making- A team of three firefighters escorted by one instructor will move to their determined entry point, ensure all PPE is in place, and note any thermal cues upon the entry area. The door will be cooled per the FKTP protocols and then the door will be opened. Once the doorway has been opened, the crew leader will scan the entry point and determine the fires location/severity, note any of the four mitigating factors of the Go/No-Go Decision Model and act upon them accordingly, and then they will direct the nozzle man to cool the environment where they are and where they are going. The crew leader will then direct the nozzle man to move to the next designated area.

Station 3: Enhanced Stream Placement-The crew leader will then move in behind their crew confirming the area has been cooled less than 500 degrees and check for any areas of significant heat that may have been missed. They will scan and identify the target area/direction and check for any possible holes in the floor. The crew leader will then communicate and guide the nozzle man's efforts to cool the next target space they are moving to.

Advanced Comprehensive 16 hour Course Objectives:

Day 1: Students will participate in a four lecture followed by four hours of live fire training. This training will consist of an orientation burn with the Max Fire Box followed by objective driven learning stations in the following areas:

- **Tactical 360: Detect the fire, define their access point (Check for victims first), Define the building lay-out and any possible victims that need to be rescued.**
- **Go/No Go Decision Making: Entry will be made based on the Go/No Go Decision Making Model**
- **Enhanced Stream Placement: Streams will be guided by the crew leader and each area will be cooled, confirmed, and checked before moving forward.**
- **Enhanced Search Methodology: A victim (rescue mannequin) will be placed in close proximity to the fire room and the crew leader will be responsible for locating it, communicating their finding, and their strategy for removal.**
- **Enhanced Situational Awareness: Upon completion of the evolution, the crew leaders and other firefighters will be instructed to power down their thermal imaging camera, define a secondary means of egress, and then lead their crew out of the fire environment without the assistance of the TIC.**

Day 2: Students will report to training grounds and complete a morning session of the following objective driven learning stations:

- **Multiple Victim Search & Rescue with Fire Attack: Students will be shown how to accomplish fire attack and rescue simultaneously.**
- **Vent Enter Search: Students will complete several vent, enter, search scenarios with victim removal.**
- **Rapid Intervention: Students will review rapid intervention procedures, assessment techniques, and removal procedures.**

In the afternoon students will be divided into teams and be given one of three scenarios to complete where they must apply the concepts, they have learned in the past two days:

- **Size-up, develop an IAP, fire attack with a victim rescue/removal**
- **Size-up, develop an IAP, fire attack with a MAY-DAY declared**
- **Size-up, develop an IAP, VES of multiple windows with victims trapped above the fire.**

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Insight Fire Training Tactical Thermal Imaging Lesson Plan

DAY 1: GETTING FAMILIAR WITH YOUR TIC: UNDERSTANDING FIELD OF VIEW (F.O.V): UNDERSTANDING THE OBSERVABLE WORLD WITHIN THE VIEW OF THE THERMAL IMAGING CAMERA.

	INSTRUCTOR GUIDE	STUDENT GUIDE
OBJECTIVES	Understanding Field of View: Field of View: Each student will see the difference in changing their F.O.V. and how this can benefit their tactics	**Field of view** is the extent of the observable world that is seen at any given moment. The student will see how the TIC's F.O.V. is different than their optical F.O.V. and its limitations
INFORMATION	Explain how the TIC's F.O.V is oriented (Vertical x Horizontal) and demonstrate how it diminishes the firefighter's vision if they do not scan properly (wall to wall versus shoulder to shoulder)	Explain the particular brand of TIC's F.O.V. and show the difference in scanning up close vs further from the target.
CONCEPTS	Standard Grip vs. Alternative Full Scan versus Partial Scan. Thermal cues & Signs of Victims	Student learns the advantage of changing their grip to gain a wider perspective and how to scan appropriately.
ACTIVITY	• Doorway Scan • 6-sided scan • Hallway Scan	Students learn the value of proper and improper scanning.

OVERVIEW: UNDERSTANDING TEMPERATURE MODES

	INSTRUCTOR GUIDE	STUDENT GUIDE
OBJECTIVES	Understanding Temperature Sensitivity. No TIC can see all temperatures in one Span (temperature range).	Each Student will perform a scan with their respective Thermal Imaging Camera and notice the difference from High Sensitivity to Low Sensitivity.
INFORMATION	Explain the difference in High & Low Sensitivity, its importance to proper interpretation of the environment, how focal point affects it. Non-Negotiables: **No standing up in the thermal environment!**	"Most modern IR cameras break up the total measurement into a number of defined temperature ranges covering intervals of temperature that the detector is able to detect without going into saturation" (which used to be known as white-out). ITC Manual p. 5-5
CONCEPTS	Demonstrating the differences in discernable details in each mode. High Sensitivity equals High Detail. Low Sensitivity equals Low Detail. Room configuration and details will appear quite differently in Low Sensitivity	Students will scan the room adjacent to the fire room moving from relatively low heat objects within their F.O.V. to objects over 300 degrees F (150 degrees Celsius) to cause the TIC to switch modes.

ACTIVITY:	Students will be gathered on their knees where they can view the entire room adjacent to a fire room that is an incipient stage fire. Instructors will guide them to scan the room staying low then scanning high near the heat source.	Students will learn the difference of discernable details in High Sense versus Low Sense. They will also note the colors that appear in low sense. They will provide the instructor feedback on what stage the fire is in, it's location, secondary means of egress, and potential victims.
SUMMARY:	Instructors will review temperature sensitivity (H/L), proper interpretation & reading the color palette, and situational awareness.	Students will understand: • Over 150 Celsius/300 Fahrenheit incurs mode change. • Focal point matters • Reading the Color Palette

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OVERVIEW: UNDERSTANDING THE IMPORTANCE OF RESOLUTION:

THE STUDENTS WILL SCAN THE FIRE ENVIRONMENT AT THREE PRESET DISTANCES AND NOTE THE DIFFERENCE IN THE RESOLUTION IN THEIR RESPECTIVE TIC'S AND HOW THIS CAN AFFECT THEIR DECISION-MAKING PROCESS.

	INSTRUCTOR GUIDE	STUDENT GUIDE
OBJECTIVES	Instructor will explain the importance of knowing a TIC's specific resolution and how it explains a firefighter's ability to interpret the environment.	The student will have 2-3 thermal imaging cameras with varying resolutions to be able to see & comprehend the learning objectives.
INFORMATION	Instructor will show a 160x120 resolution TIC, a 320x240 resolution TIC, a 384x288 resolution TIC. These will show the varying abilities of each camera. A firefighter's hand will be the target at 7', 15', and 20'.	Students will see how at varying distances they can 'miss' a victim and also how it affects their ability to see convective heat currents and room configuration.
CONCEPTS	The Instructor will explain how the difference in pixels affects the overall visual interpretation: 20,000 pixels, 80,000 pixels, and over 100,000 pixels.	Students will hold the various TIC's and see these concepts for themselves.

Insight Fire Training Thermal Imaging Training Lesson Plan

Insight Fire Training Thermal Imaging Training Lesson Plan

Emissivity Demonstration: Defining Emissivity from a practical perspective and how it affects their thermal imaging interpretation. *"A characteristic of the radiating surfaces and gases called emissivity affects how the thermal radiation intensity relates to the actual temperature in a way that can make the surface or gas appear to have a temperature that is different from reality"* (NIST Technical Note 1499, p.13)

	INSTRUCTOR GUIDE	STUDENT GUIDE
OBJECTIVES	Instructor will explain what Emissivity is, how the TIC calculates surface temperatures based on .95 emissivity, and how varying surfaces can be providing false readings to the TIC user.	Student will provide tangible examples of objects of low & high emissivity. Low Emissivity: (Shiny) Zero High Emissivity: (Matte) One
INFORMATION	The Instructor will scan the room and pick out objects of low emissivity. These objects will show different temperatures than the actual fire environment.	The students will scan the room and identify objects of varying emissivity. Objects of lower emissivity reflect energy well whereas objects of higher emissivity absorb and or emit energy very well.
CONCEPTS	The instructor will explain how objects of low emissivity cannot be trusted and how they can "mislead" a firefighter.	Students will note items of higher emissivity and their associated temperature and compare them to objects of lower emissivity.

Insight Fire Training Thermal Imaging Training Lesson Plan

ACTIVITY	A shiny metal object, a sheet of glass, and a wet floor will be used in close proximity of the fire room and the students will be shown how to interpret the image and differentiate from a reflection and a true heat source	This scenario will allow the students to see how shiny objects such as a stainless-steel kitchen could lead them astray.
SUMMARY	Instructor will provide experientially relevant examples of how emissivity affects our strategies and tactics: fires behind windows, victims behind glass, fire reflecting off of shiny surfaces etc.	This time will be used for students to discuss any incidents where this may have occurred to them or how they can use this information on the fire ground.

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Insight Fire Training Thermal Imaging Training Lesson Plan

MRTD-The Danger of Uniform Temperatures: Many fire service TIC's respond well in the fire room or near active flaming but in the adjacent areas of a fire environment a firefighter will encounter areas of uniform temperatures where the room has been uniformly heated. In these areas, if a TIC has a high MRTD (minimum resolvable temperature difference) rating, which is measured in mK or milli-Kelvin, then the TIC will NOT be able to easily differentiate between two or more objects of similar temperatures. This can also be listed in a thermal imaging manual as thermal sensitivity, Minimum Discernable Temperature Difference (MDTD), NETD Noise Equivalent Temperature Differential (See Glossary in Manual for further explanation).

	INSTRUCTOR GUIDE	STUDENT GUIDE
OBJECTIVES	Instructors will explain thermal sensitivity and how it applies to the fire ground, searching for victims/downed firefighters, and situational awareness.	Students will note the varying levels of sensitivity of their TIC at different temperature modes and the ability or lack thereof to discern images of similar temperature.
INFORMATION	When a TIC views an area of uniform temperatures (areas that are all heated to approximately the same temperature) it sees very little discernable details.	Students will learn ways to create contrast using water, changing their focal point, and placing a firefighter in their field of view.
CONCEPTS	Uniform Temperature environments can lead to missed thermal cues, missed victims, and a false sense of security. Instructors will explain to use techniques to create contrast.	Students will view the evenly heated environment and note how easily firefighters can blend in with the background.

Insight Fire Training Thermal Imaging Training Lesson Plan

ACTIVITY	An Instructor will place his back to the wall at a preset distance and the students will attempt to locate the instructor before they turn around.	An Instructor will place his back to the wall at a preset distance and the students will attempt to locate the instructor before they turn around and see the contrast in their SCBA.

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Insight Fire Training Thermal Imaging Training Lesson Plan

Intermediate Lesson Plan: Learning Stations-The following live fire conditions will be prepared in a three-station format so the students may rotate through consecutively.

Station 1: Tactical 360-Enhanced Size-up: Students will be escorted by an instructor and conduct a proper 360-degree survey and note the thermal cues they were taught previously. Each student will note the hottest area, the coldest area, points of egress (check them for victims, building lay-out, and location of fire), and they will define their entry point based on this information.

	INSTRUCTOR GUIDE	STUDENT GUIDE
OBJECTIVES	Instructors will explain how to recognize thermal cues, thermal bridges, review building construction, and basic fire behavior.	Students will note the slight thermal cues that provide cues & clues of the fires location, will see the issues with reflected apparent temperature, detect/define the fire's location & severity
INFORMATION	Instructors will show the students to check the entrance/egress points, Detect the fire, define their access point, Define the building lay-out and any possible victims that need to be rescued and then proceed with the 360-degree survey	Students will view the structure from an appropriate distance, check the entrance/egress points, assess the building tactically, thermally, & then 3-dimensionally

Insight Fire Training Thermal Imaging Training Lesson Plan

CONCEPTS	Thermal Bridges, Scanning High, Medium & Low, watching for 3Dimensional hazards, Noting Hottest & Coldest areas, forecasting fire growth	Students will see examples of thermal bridges (windows, dryer vents, doors etc.), Note power lines, utilities, flow path identification and forecast fire growth
SUMMARY	After 360 is completed, the instructor will provide an example of the IAP, communicate this to the firefighters and any additional responding units prior to making entry.	Students will practice giving their size-up based on the Insight model including the tactical, thermal, and three-dimensional factors they observe.

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Insight Fire Training Thermal Imaging Training Lesson Plan

Station 2: **Go/No Go Decision Making**- A team of three firefighters escorted by one instructor will move to their determined entry point, ensure all PPE is in place, and note any thermal cues upon the entry area. The door will be cooled per the FKTP protocols and then the door will be opened. Once the doorway has been opened, the crew leader will scan the entry point and determine the fires location/severity, note any of the four mitigating factors of the Go/No-Go Decision Model and act upon them accordingly, and then they will direct the nozzle man to cool the environment where they are and where they are going. The crew leader will then direct the nozzle man to move to the next designated area

	INSTRUCTORS	**STUDENTS**
OBJECTIVES	Instructors will explain the key 4 points of Go/No Go Decision Making Model, how to recognize them tactically and thermally, and how to interpret the information on the TIC correctly.	Students will observe an example of No/Go, proper interpretation, mitigating the four factors, and the importance of continual assessment
INFORMATION	• Go/No Go is evidence based • Turbulent smoke • Descending Neutral Plane/Thermal Gradient • Reducing Overall Temperatures- below 500 degrees • Ability to view the data on the TIC oversaturation, white out, TIC failure.	Students will be given examples of these four factors and how they affect fire growth thereby emphasizing its importance in mitigating them to prevent rapid fire growth and/or thermal insult
CONCEPTS	• Go/No Go Decision Model • Reading Smoke versus Interpreting IR Data • Thermal Gradient • Fire Growth correlation to HRR and ventilation	Students will repeat the model as they complete the exercise. Instructors will verify that their readings/interpretations are correct.

Insight Fire Training Thermal Imaging Training Lesson Plan

Station 3: **Enhanced Stream Placement**-The crew leader will then move in behind their crew confirming the temperatures have been reduces to less than 500 degrees and check for any areas of significant heat that may have been missed (e.g. behind them & in corners). They will scan and identify the target area/direction of travel and check for any possible holes in the floor. The crew leader will then communicate and guide the nozzle man's efforts to cool the next target space they are moving to.

	INSTRUCTORS	STUDENTS
Objectives	To explain & emphasize the value of a directed stream versus a pattern of applying water without guidance. Enhanced Stream Placement is based on Efficiency.	Students learn the value of applying the water where it is needed versus applying water improperly and where it is not needed.
Information	Instructors will point out the superheated areas that need to be cooled prior to their approach, cooling the environment where they are, and confirming the area the heat is "erased" not penciled.	Students will clearly see the superheated areas that need to be addressed and will direct the nozzle man's efforts accordingly then instruct the nozzle man to move forward to the area that has been cooled.
Concepts	• Detect/Define the area that needs to be cooled. • Direction/communication of those efforts • Confirm the area has been cooled. • Communicate movement to the next point.	Student will understand the value of knowing the temperature, stream direction, enhanced stream placement, and never move to another area without sending water their first.

Insight Fire Training Thermal Imaging Training Lesson Plan

Two Day (16 Hour) Advanced Comprehensive Scenario/Full Evolutions Lesson Plan:

The firefighters will be divided into teams and two teams will work together to perform each scenario. The scenario will consist of the teams completing the following learning objectives:

- **Tactical 360**: Detect the fire, define their access point (Check for victims first), Define the building lay-out and any possible victims that need to be rescued.
- **Go/No Go Decision Making**: Entry will be made based on the Go/No Go Decision Making Model
- **Enhanced Stream Placement**: Streams will be guided by the crew leader and each area will be cooled, confirmed, and checked before moving forward.
- **Enhanced Search Methodology**: A victim (rescue mannequin) will be placed in close proximity to the fire room and the crew leader will be responsible for locating it, communicating their finding, and their strategy for removal.
- **Enhanced Situational Awareness**: Upon completion of the evolution, the crew leaders and other firefighters will be instructed to power down their thermal imaging camera, define a secondary means of egress, and then lead their crew out of the fire environment without the assistance of the TIC

Each stage of the evolution will be walked through (a dry run with no fire) with the instructors ensuring that the students understand what their objectives are. The fire's will be controlled by safety crews to allow students the time to observe the concepts of the lesson plan.

Insight Fire Training Thermal Imaging Training Lesson Plan

Course Cost and Logistical Needs Requirements:

Introduction Course: The eight hour classroom and max fire box demonstration training will be offered at $1500/day plus mileage and lodging if necessary.

Intermediate Course: The eight hour classroom/live fire training offering will include two instructors with 20 students for $3,000 per day plus mileage and lodging.

Advanced Course: The two day (16 hour) classroom/live fire training will include two instructors with 20 students for $6,000 total plus mileage and lodging.

The host organization will provide the following:

- **SCBA(s) and facepiece(s) for the instructors for the live fire component. Insight Training will provide all other PPE, thermal imaging cameras, and necessary equipment for their instructors.**
- **NFPA 1403 requirements must be met. The host organization will provide a live fire training center or acquired structure with the proper safety requirements including live fire instructor for safety and ignition officers.**

Insight Training will provide the following for each course:

- **Customized PowerPoint Presentation (a copy will be given to the host organization)**
- **Student manual in a PDF format. The host organization is responsible for printing costs.**
- **A resource folder either in the form of a flash drive or a custom drop box folder for further education and training.**

Insight Fire Training Thermal Imaging Training Lesson Plan

Summary:

Insight Training LLC's Tactical Thermal Imaging Curriculum offers from introductory level to a full 32-hour learning experience that correlates industrial thermography concepts into fire service relevant examples. The curriculum has been used and taught around the globe. Our work can be found in Fire Engineering, Fire House Magazine, Fire Apparatus, various online platforms, and in Euro Firefighter 2 by Dr. Paul Grimmwood. Our program is copyright protected, peer reviewed by Project Kill the Flashover and a third party thermal imaging manufacturer for accuracy and credibility.

We would be honored if you consider our team of Level 1 Thermography Certified Veteran Fire Service Instructors to assist your organization with enhancing fire ground strategies and tactics through Tactical Thermal Imaging. Thank you for considering us and taking the time to learn about our course curriculum. Please let us know if we can be of assistance to your organization.

INSIGHT FIRE TRAINING

INSIGHTTRAININGLLC.COM | 704-507-7156 |

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FMQ20-027

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Lieutenant Derek Smith		**Pin Number:** 773061	**Date:** 09/15/2020
Host Fire Department: Long Lake Fire Rescue			**County:** Grand Traverse
Applicant Street Address: 8870 North Long Lake Road			
City: Traverse City	**State:** MI	**Zip Code:** 49685	**Email:** dsmith@longlaketownship.com
Applicant Phone Number: 734-660-2652		**Alternate Number:** 231-947-4096	

SECTION II

Seminar/Course Name: Rescue Our Crew

Instructor(s): Chief Thomas Basher MERIDIAN FIRE TRAINING SOLUTIONS LLC 7704 County Rd 153 Interlaken, NY 14847	**Instructor Email/URL:** basherjr@hotmail.com
Instructor Phone Number: 607-227-5001	**Flyer Attached** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Rescuing a downed firefighter and handling a "Mayday" is one of the most difficult tasks a team may have to do both for the interior crews and the Chief Officers. This 12 hour course will cover, Calling the Mayday, team building skills and techniques for rescuing a downed firefighter from upper and lower level floors, stairwells and tight hallways. This will be real world, hands on training for the firefighters who may be assigned to the RIT, or find themselves at a scene where these skills may make the difference between a rescue and a recovery of one of our own.

Attached you will find flyer, invoice, syllabus and contract. Meridian Fire Training Solutions provides NFPA Proboard qualified fire instructors for all training classes. The classroom portion will be hosted at Long Lake Fire Rescue Station 10. The first part of skills will be hosted at LLFR Station 10 with props, and the remainder of skills and scenarios will take place at the North West Regional Training Center facility to utilize their training tower and props. Long Lake Fire Rescue is covering the cost of this course with the goal of having mutual aid agencies join us to better provide RIT trained personnel on fire scenes.

Applicable NFPA Standard(s): 1407

Class Capacity: 16	**Total Hours of Training:** 12

SECTION III

Applicant Signature: Derek R	**Date:** 9/15/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

MERIDIAN

Fire Training Solutions LLC

Training Proposal
for
Long Lake Fire Dept. Michigan

Aug 2020

Chief,

Thanks for giving us the opportunity to provide high quality Firefighter Rapid Intervention Team (R.I.T.) training to your department. Here is what we propose:

A **Firefighter Rescue** skills Day, focusing on: **Rescuing a Down Firefighter** from multiple situations.

Class 1 - Fri Eve "R.O.C." Rescue Our Crews - Firefighter Down Rescue Skills (Classroom)

Description: Rescuing a downed firefighter and handling a "Mayday" is one of the most difficult tasks a team may have to do both for the interior crews and the Chief Officers. This classroom session will cover, "Calling the Mayday", skills and techniques for rescuing a downed firefighter from upper and lower level floors, stairwells and tight hallways. Solid discussion to prepare for the next two days of hands on skills.

Audience: All Firefighters **Course Length:** 4 hours

Class 2 - Sat "R.O.C." Rescue Our Crews - Firefighter Down Rescue Skills (Hands On)

Description: *Morning Session* - Hands on skills and review will cover, "Calling the Mayday", skills and techniques for rescuing a downed firefighter from upper and lower level floors, stairwells and tight hallways.
Afternoon Session – Scenario based drills to practice all skills learned that morning.

Audience: All Firefighters **Course Length:** 8 hours

MERIDIAN FIRE TRAINING SOLUTIONS LLC
7704 County Road 153
Interlaken, NY 14847
(607) 227-5001 (phone) www.MeridianFireTraining.com (607) 532-3489 (fax)

Training Proposal
for
Long Lake Fire Dept. Michigan
Aug 2020

Instruction - Meridian shall provide a qualified Instructor for al sessions. We will also rely on Long Lake personnel for area specific information and best practices as needed throughout the class.

Location – Long Lake will provide a classroom setting on site with a flat screen, screen or wall to project onto and enough seating for all involved as well as a training site to simulate rescues.

Meals/refreshments - shall be provided by Long Lake FD.

The cost for the completed class package would be **$3,000**. Check can be made payable to Meridian Fire Training Solutions LLC at completion of the training.

Confirm the dates and we can put the contract together when you say go.

Let me know your thoughts. We look forward to working with you and the crew.

Tom Basher
Meridian Fire Training Solutions LLC
607-227-5001

MERIDIAN

Fire Training Solutions LLC

INVOICE

08/27/2020

Bill To:

Long Lake Fire Rescue
8870 N Long Lake Rd
Traverse City, MI 49685

Date	*Class*			*Total Cost*
11/13/20	pm "Rescue Our Crews" Classroom Instruction	Downed firefighter rescue training		$600
11/14/20	am "Rescue Our Crews" Demonstration / Practice	Hands on Skills		$1,200
11/14/20	pm "Rescue Our Crews" Scenarios / Drills	Hands on Skills		$1,200
			Total Due:	**$3,000.00**

Thank You

MERIDIAN FIRE TRAINING SOLUTIONS LLC
7704 County Rd 153
Interlaken, NY 14847
(607) 227-5001 (phone) **www.MeridianFireTraining.com** **(607) 532-3489 (fax)**

MERIDIAN

Fire Training Solutions LLC

WORK FOR HIRE AGREEMENT

This Work for Hire Agreement (this "Agreement) is made effective as of ***Oct 1st , 2020,*** by and between ***Long Lake Fire Rescue*** *of* ***8870 N Long Lake Rd, Traverse City, MI 49685*** and ***MERIDIAN Fire Training Solutions LLC,*** of ***7704 County Rd 153, Interlaken, New York 14847.*** In this Agreement, the party who is contracting to receive the services shall be referred to as ***"LLFR"***, and the party who will provide the service shall be referred to as ***"MERIDIAN".***

1. **DESCRIPTION OF SERVICES:** On ***Nov 13th, & 14th, 2020 - MERIDIAN*** will provide the following service (collectively, the "Services"): "***Firefighter Rescue" Fire Training Classes – (Classroom and Hands On).***

2. **PAYMENT FOR SERVICES:** ***LLFR*** will pay compensation to ***MERIDIAN*** for the Services in the amount of ***$3,000.00*** This compensation shall be payable in a ***Lump Sum*** upon completion of the Services.

3. **TERM TERMINATION:** This Agreement shall terminate upon completion of the training and upon receiving payment for the training.

4. **RELATIONSHIP OF PARTIES:** It is understood by the parties that ***MERIDIAN*** is an independent contractor with respect to ***LLFR,*** and not an employee of ***LLFR. LLFR*** will not provide fringe benefits, including health insurance benefits, paid vacation, or any other employee benefit, for the benefit of ***MERIDIAN.***

   INSURANCE / INDEMNIFICATION: ***LLFR*** understands that the students will be covered by ***LLFR's*** worker's compensation insurance while participating in such training. ***MERIDIAN*** and its instructors are not liable and are held harmless for any injuries sustained during training, and are not liable for any malfunction or damage to any equipment used during training. ***LLFR*** indemnifies ***MERIDIAN*** of any injuries to students or damage to equipment. The students are considered by ***DFD*** standards to be physically fit to perform firefighting evolutions and meet the 29 CFR 1910.132 Standard for the use of self-contained breathing apparatus (SCBA) if applicable to the training.

5. **ENTIRE AGREEMENT:** This Agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement whether oral or written.

6. **SEVERABILTY:** If any provision of this Agreement shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this Agreement is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

7. **APPLICABLE LAW:** This Agreement shall be governed by the laws of the State of New York.

LONG LAKE FIRE RESCUE

SIGNED: _____ Date: _____

_____ ***Long Lake Fire Rescue***
(Title/Position)

MERIDIAN Fire Training Solutions LLC

SIGNED: _____ Date: _____

Thomas T. Basher Jr.
President
MERIDIAN Fire Training Solutions LLC

Please Sign & Return

MERIDIAN FIRE TRAINING SOLUTIONS LLC
7704 County Road 153
Interlaken, NY 14847
(607) 227-5001 (phone) **www.MeridianFireTraining.com** **(607) 532-3489 (fax)**

MERIDIAN
Fire Training Solutions LLC

PRESENTS

R.O.C. Training
Rescue Our Crew



Friday Eve Nov 13th 6: p.m. start

&

Saturday Nov 14h 8:am start

at the

Long Lake Fire Station

8870 N Long Lake Rd, Traverse City

"No one is coming for us, but us!"

Rescuing a downed firefighter and handling a "Mayday" is one of the most difficult tasks a team may have to do both for the interior crews and the Chief Officers. This class will cover, "Calling the Mayday", skills and techniques for rescuing a downed firefighter from upper and lower level floors, stairwells and tight hallways. When things go bad you need to be able to rescue our crews, whether there is a medical emergency, or if the building just gives us up!
We are all trained to go in…be able to get em' out.

Classroom & Hands On Training

Brought to you by the Long Lake Fire Department
&

MERIDIAN FIRE TRAINING SOLUTIONS LLC
7704 County Rd 153
Interlaken, NY 14847
(607) 227-5001 (phone) **www.MeridianFireTraining.com** **(607) 532-3489 (fax)Re**

"Q" COURSE APPLICATION

FMQ20-028

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Dave Van Holstyn		**Pin Number: 604768**	**Date: 10/03/2020**
Host Fire Department: Covert Township Fire Department			**County: Van Buren**
Applicant Street Address: 45700 Port St.			
City: Plymouth	**State: Michigan**	**Zip Code: 49544**	**Email: TruckFF@yahoo.com**
Applicant Phone Number: 616 299-5772		**Alternate Number: 734 392-5123**	

SECTION II

Seminar/Course Name: Michigan Urban Search & Rescue (MUSAR) Awareness/Operations Level Rope Rescue	
Instructor(s): Approved MUSAR Instructors, Dave Van Holstyn, Program Manager	**Instructor Email/URL: TruckFF@yahoo.com**
Instructor Phone Number: 616 299-5772	**Flyer Attached: ☐ http://musartf.org/?page_id=41**
Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed) SEE ATTACHED	
Applicable NFPA Standard(s): 1670 - 1006 - 1983	
Class Capacity: 18	**Total Hours of Training: 40**

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

This 40-hour program exceeds the capabilities required in NFPA 1670 for an Operations level team.

This is a hands-on, practical course specifically designed to address the needs of fire and rescue agencies which may be called upon to perform rope based rescues from above or below grade including the rescue of workers suspended on fall arrest, as well as in support of operations at confined space, trench and structural collapse rescue incidents.
While the emphasis is on working as a team to complete the rescues, there are numerous individual skills are critical to that success. Throughout the program there is a strong emphasis on basic skills and safety. There fundamentals are important, not just for class, but as a foundation for all future rope rescue training. Each of the techniques presented has been tested and proven; and some will be proven again as a part of the program, especially in the belay workshop. After successfully completing the course, participants are able to work safely at rope rescue incidents, operate the commonly used systems (lower, raise and belay) and be familiar with the techniques used for the typical rope rescue incidents.

Course Content-

- NFPA & OSHA Standards
- Safety & Rope Rescue Hazards
- Hardware
- Knots
- Rappelling
- Belays
- Mechanical Advantages
- Low Angle Litter Evolutions
- Patient Packaging
- Standards Operating Guidelines
- PPE
- Software
- Anchoring
- Self-Rescue
- Lowering Systems
- Ladder Systems
- Team-Based Pick-offs
- Rescue Scenarios

Course related costs-

Expenses associated with the program include instructor wages and applicable payroll costs, participant manuals and skills check lists and an equipment replacement fund. The costs for instructor travel, lodging and per diem varies with the location of the program. For safety reasons, when participants are “on-rope” or otherwise exposed to the potential for falls, the typical student-to-instructor ratio is 6:1.

The typical program, for 18 participants, will be $12,000.00.

"Q" COURSE APPLICATION

FMQ20-029

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name:
Vehicle Rescue Awareness, Operations and Technician

Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for advanced response to vehicle rescues.

Skills taught include: Equipment Selection & Inspection; Incident Size-Up & Victim Management; Equipment Safety Factors & Maintenance; Passenger Vehicle Stabilization; Commercial / Large Vehicle Stabilization; Hazardous Energy Isolation; Creation of Access Openings in Passenger Vehicles; Creation of Access Openings in Large Vehicles; Personal Protective Equipment; Hazard Control Equipment Selection & Inspection; Victim Disentanglement and Removal; and Hazard Control

See attachment for more details.

Applicable NFPA Standard(s):
NFPA 1006 and NFPA 1670

Class Capacity: 24	**Total Hours of Training:** 24 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-030

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

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SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name: Vehicle Rescue Technician	
Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for advanced response to vehicle rescues.

Skills taught include: Equipment Selection & Inspection; Incident Size-Up & Victim Management; Equipment Safety Factors & Maintenance; Commercial / Large Vehicle Stabilization; Hazardous Energy Isolation; Creation of Access Openings in Large Vehicles; Victim Disentanglement and Removal; Personal Protective Equipment; and Hazard Control.

See attachment for further details.

Applicable NFPA Standard(s):
NFPA 1006 and NFPA 1670

Class Capacity: 24	**Total Hours of Training:** 16

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-031

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name: Structural Collapse Rescue Technician	
Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for response to structural collapse incidents involving heavy frame construction.

Skills taught include: Heavy Structure Size-Up & Response; Victim Search & Extrication; Breaching & Breaking; Lifting, Moving and Cribbing; Metal Burning; and Basic Crane Operations & Rigging.

See attachment for further details

Applicable NFPA Standard(s): NFPA 1006 and NFPA 1670	
Class Capacity: 24	**Total Hours of Training:** 40 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-032

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name:
Trench Rescue Awareness and Operations

Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required to safely operate at trench rescue incidents.

Skills taught include: Equipment Selection & Inspection; Incident Size-Up & Victim Management; Equipment Safety Factors & Maintenance; Collapse Types; Soil Physics; Sheeting & Shoring; Stabilization; Patient Assessment, Removal & Packaging; Lifting & Cribbing; Air Bags & Supplemental Sheeting; and Heavy Equipment.

See attachment for more details.

Applicable NFPA Standard(s):
NFPA 1006 and NFPA 1670

Class Capacity: 24	**Total Hours of Training:** 24 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-033

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name:
Confined Space Rescue Awareness and Operations

Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

This course is designed to train the student in the skills required for safe operations during confined space rescues.

Skills taught include: Equipment Selection & Inspection; Incident Size-Up & Victim Management; Equipment Safety Factors & Maintenance; Atmospheric Monitoring; Supplied Air Breathing Systems; Communication Systems; Personal Protective Equipment; Lock Out / Tag Out; Hazard Control; and OSHA requirements.

See attachment for further details.

Applicable NFPA Standard(s):
NFPA 1006 and NFPA 1670

Class Capacity: 24	**Total Hours of Training:** 24

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-034

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name: Confined Space Rescue Technician	
Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for safe operations during confined space rescues.

Skills taught include: Equipment Selection & Inspection; Incident Size-Up & Victim Management; Equipment Safety Factors & Maintenance; Equipment Selection & Inspection; Atmospheric Monitoring; Supplied Air Breathing Systems; Communication Systems; Personal Protective Equipment; Lock Out / Tag Out; Preplanning of Confined Spaces; Managing Rescue Operations; Hazard Control; and OSHA requirements.

See attachment for more details

Applicable NFPA Standard(s): NFPA 1006 and NFPA 1670	
Class Capacity: 24	**Total Hours of Training:** 16

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-035

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name:
Hazardous Materials Awareness and Operations

Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for response to hazardous materials incidents.

Skills taught include: Detecting the presence of hazardous materials; Surveying & assessment of hazardous materials incidents; Initiating protective actions; Predicting the behavior of hazardous materials; Planning and implementing a planned response; PPE selection and use; Decontamination procedures, including emergency, gross, technical, and mass decon; and Defensive product control

See attachment for further details.

Applicable NFPA Standard(s):
NFPA 1072 and NFPA 472

Class Capacity: 24	**Total Hours of Training:** 32 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-036

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name:
Hazardous Materials Technician

Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for certification in Hazardous Materials response to the Technician level.

Skills taught include: Analyze a hazardous materials incident; Determine the complexity of a hazardous materials incident; Determine potential outcomes of a hazardous materials incident; Plan and coordinate a response; PPE selection & use; Offensive product control measures; Product identification & monitoring equipment; Decontamination procedures; Evaluate progress; and Terminate a hazardous materials incident

See attachment for further details.

Applicable NFPA Standard(s):
NFPA 1072 and NFPA 472

Class Capacity: 24	**Total Hours of Training:** 32 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-037

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name: Rope Rescue Awareness and Operations	
Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for safe operations during rope rescues and is a prerequisite for all other technical rescue training.

Skills taught include: Equipment Selection & Inspection; Incident Size-Up & Victim Management; Equipment Safety Factors & Maintenance; Knots, Hitches & Bends; Anchors; Lifting Systems & Mechanical Advantages; Lowering Systems; Belay Systems; Ascending and Descending a Fixed Rope; and Patient Packaging.

See attachment for further details.

Applicable NFPA Standard(s): NFPA 1006 and NFPA 1670	
Class Capacity: 24	**Total Hours of Training:** 32 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-038

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name: Rope Rescue Technician	
Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

This course is designed to train the student in the skills required for safe operations during advanced rope rescues.

Skills taught include: High Angle Patient Movement & Pickoffs; High Line Rope Systems; and Tending a High Angle Litter.

See attachment for further details.

Applicable NFPA Standard(s): NFPA 1006 and NFPA 1670

Class Capacity: 24	**Total Hours of Training:** 24 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-39

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name:
Structural Collapse Rescue Awareness and Operations

Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for response to structural collapse incidents involving light frame construction.

Skills taught include: Assessment Skills; Basic Structural Systems; Light Frame Structural Size-Up & Response; Emergency Shoring Theory & Construction; Lifting, Moving & Cribbing; Victim Search & Extrication; Tool & Equipment Familiarization

See attachment for more details.

Applicable NFPA Standard(s):
NFPA 1006 and NFPA 1670

Class Capacity: 24	**Total Hours of Training:** 40 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-040

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name:
Trench Rescue Awareness, Operations and Technician

Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for safe operations at advanced trench rescue incidents

Skills taught include: Equipment Selection & Inspection; Incident Size-Up & Victim Management; Equipment Safety Factors & Maintenance; Collapse Types; Soil Physics; Sheeting & Shoring; Stabilization; Patient Assessment, Removal & Packaging; Shoring of Deep Trenches; Shoring of Intersecting Trenches; Lifting & Cribbing; Air Bags & Supplemental Sheeting; and Heavy Equipment

See attachment for further details.

Applicable NFPA Standard(s):
NFPA 1006 and NFPA 1670

Class Capacity: 24	**Total Hours of Training:** 32 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-041

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name:
Trench Rescue Technician

Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for safe operations at advanced trench rescue incidents

Skills taught include: Equipment Selection & Inspection; Incident Size-Up & Victim Management; Equipment Safety Factors & Maintenance; Collapse Types; Soil Physics; Sheeting & Shoring; Stabilization; Patient Assessment, Removal & Packaging; Shoring of Deep Trenches; Shoring of Intersecting Trenches; Lifting & Cribbing; Air Bags & Supplemental Sheeting; and Heavy Equipment

See attachment for more details.

Applicable NFPA Standard(s):
NFPA 1006 and NFPA 1670

Class Capacity: 24	**Total Hours of Training:** 16 hours

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

FMQ20-042

"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, 3101 Technology Blvd., Suite H, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Jason Weber		**Pin Number:**	**Date:** August 31, 2020
Host Fire Department: Northeast Wisconsin Technical College			**County:**
Applicant Street Address: 2740 W. Mason St.			
City: Green Bay	**State:** Wisconsin	**Zip Code:** 54307	**Email:** jason.weber@nwtc.edu
Applicant Phone Number: 920-498-7175		**Alternate Number:** 920-422-1341	

SECTION II

Seminar/Course Name: Vehicle Rescue Awareness and Operations	
Instructor(s): Aaron Droessler and Rick James	**Instructor Email/URL:** aaron.droessler@apex-safety.com rick.james@apex-safety.com
Instructor Phone Number: 920-420-3749 Aaron 920–279-7236 Rick	**Flyer Attached:** ☐

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

Description:
This course is designed to train the student in the skills required for response to vehicle rescues.

Skills taught include: Equipment Selection & Inspection; Incident Size-Up & Victim Management; Equipment Safety Factors & Maintenance; Passenger Vehicle Stabilization; Hazardous Energy Isolation; Creation of Access Openings in Vehicles; Victim Disentanglement and Removal; Personal Protective Equipment; and Hazard Control.

See attachment for further details.

Applicable NFPA Standard(s):
NFPA 1006 and NFPA 1670

Class Capacity: 24	**Total Hours of Training:** 16

SECTION III

Applicant Signature:	**Date:**

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

C>TED
PUBLIC SAFETY TRAINING

NORTHEAST
WI Technical College

Technical Rescue

Course Offerings

2740 WEST MASON STREET | P.O. BOX 19042 | GREEN BAY, WI 54307-9042
920-498-7175 | PUBLICSAFETY.CORPORATETRAINING@NWTC.EDU | NWTC.EDU

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Contents

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College

Northeast Wisconsin Technical College (NWTC) helps all people begin and advance careers—careers that support families, drive communities, and allow our economies to remain competitive. NWTC, a two-year technical college, has been guided by a mission of providing education, training, and life-long learning opportunities for individuals and businesses leading to the development of a skilled workforce for over 100 years. Approximately 38,000 individuals come to NWTC each year to take advantage of over 100-degree, diploma, and apprenticeship programs; more than 80 certificate options; transfer agreements; contracted business services; and continuing education courses. Approximately 2,500 NWTC students graduate each year, more graduates than all the other Green Bay colleges combined. The College serves residents in primarily seven Wisconsin counties: Brown, Door, Florence, Kewaunee, Marinette, Oconto, and Shawano.

The Corporate Training and Economic Development (CTED) Department under the Learning Division, led by Meridith Jaeger, provides customized, flexible, cost-effective, and convenient training for business and industry, municipalities and government agencies throughout the NWTC District and nationally, allowing them to achieve and maintain peak efficiency in the global marketplace. CTED serves over 1,000 businesses with training for more than 20,000 employees.

Jason Weber, Public Safety Training Coordinator, serves as the liaison between the College and the Public Safety sector for customized training. From basic to advanced and everything in between – NWTC will develop and deliver courses that meet the needs of firefighters, EMS, law enforcement and corrections staff - when and where needed. Each year, NWTC's Public Safety Department provides training to 3,000 – 5,000 public safety professionals from throughout Wisconsin and other states.

Public Safety training for incumbent workers typically takes place at the hosting agency/department sites, NWTC's Public Safety Training Center, Universal Driving Facility, or Corporate Conference Center depending on the nature of the training. The College's Green Bay campus is equipped with a Public Safety Training Center that features a tactical training house, flashover simulator, burn tower, live firearms training/forcible entry structure, and conventional live fire and multimedia live fire simulation ranges. NWTC is also prepared to deliver training offsite through a variety of mobile training equipment including a Flashover Simulator trailer, portable targets, forced entry doors, and mobile EMS lab.

NWTC training partners include TI Simulators, Force on Force, Blauer Tactical Systems, Spear System, Writers' Police Academy, Wisconsin Safe and Healthy Schools, Conway Shield, Sig Sauer Academy as well as local professionals who serve as adjunct instructors, sharing on-the-job insight and experience through their instruction.

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Technical Rescue Courses

Rope Rescue Awareness and Operations

Description:
This 32-hour course is designed to train the student in the skills required for safe operations during rope rescues and is a prerequisite for all other technical rescue training. Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. Students will receive instruction on the fundamentals of rope rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Knots, Hitches & Bends
- Anchors
- Lifting Systems & Mechanical Advantages
- Lowering Systems
- Belay Systems
- Ascending and Descending a Fixed Rope
- Patient Packaging

Prerequisite Requirements:
There are no prerequisite requirements for this program of instruction.

Required Equipment:
Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977, 1951 or OSHA hard hat with chin strap
- Leather or rope rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87 during the hands-on portions of the course.
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Rope Rescue Technician

Description:
This 24-hour course is designed to train the student in the skills required for safe operations during advanced rope rescues. Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. Students will receive instruction on the advanced aspects of high and low angle rescues in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- High Angle Patient Movement & Pickoffs
- High Line Rope Systems
- Tending a High Angle Litter

Prerequisite Requirements:
Training to the rope rescue operations level as described in NFPA 1006 is required for registration in this program of instruction.

Required Equipment:
Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977, 1951 or OSHA hard hat with chin strap
- Leather or rope rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87 during the hands-on portions of the course.
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Confined Space Rescue Awareness and Operations

Description:

This 24-hour course is designed to train the student in the skills required for safe operations during confined space rescues. Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. Students will receive instruction on the fundamentals of confined space rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Atmospheric Monitoring
- Supplied Air Breathing Systems
- Communication Systems
- Personal Protective Equipment
- Lock Out / Tag Out
- Hazard Control
- OSHA requirements

Prerequisite Requirements:

All students must meet the requirements of NFPA 1006 2017 Ed. Chapter 5.2 – rope rescue operations for registration in this program of instruction.

Required Equipment:

Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977, 1951 or OSHA hard hat with chin strap
- Leather or rope rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87 during the hands-on portions of the course.
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Confined Space Rescue Technician

Description:
This 16-hour course is designed to train the student in the skills required for safe operations during confined space rescues. Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. Students will receive instruction on the fundamentals of confined space rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Equipment Selection & Inspection
- Atmospheric Monitoring
- Supplied Air Breathing Systems
- Communication Systems
- Personal Protective Equipment
- Lock Out / Tag Out
- Preplanning of Confined Spaces
- Managing Rescue Operations
- Hazard Control
- OSHA requirements

Prerequisite Requirements:
Training to the confined space rescue operations level as described in NFPA 1006 is required for registration in this program of instruction.

Required Equipment:
Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977, 1951 or OSHA hard hat with chin strap
- Leather or rope rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87 during the hands-on portions of the course.
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Confined Space Rescue Awareness, Operations, and Technician

Description:
This 32-hour course is designed to train the student in the skills required for safe operations during confined space rescues. Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. Students will receive instruction on all aspects of confined space rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Equipment Selection & Inspection
- Atmospheric Monitoring
- Supplied Air Breathing Systems
- Communication Systems
- Personal Protective Equipment
- Lock Out / Tag Out
- Preplanning of Confined Spaces
- Managing Rescue Operations
- Hazard Control
- OSHA requirements

Prerequisite Requirements:
All students must meet the requirements of NFPA 1006 2017 Ed. Chapter 5.2 – rope rescue operations for registration in this program of instruction.

Required Equipment:
Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977, 1951 or OSHA hard hat with chin strap
- Leather or rope rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87 during the hands-on portions of the course.
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Vehicle Rescue Awareness and Operations

Description:

This 16-hour course is designed to train the student in the skills required for response to vehicle rescues. Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. Students will receive instruction on the fundamentals of vehicle rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Passenger Vehicle Stabilization
- Hazardous Energy Isolation
- Creation of Access Openings in Vehicles
- Victim Disentanglement and Removal
- Personal Protective Equipment
- Hazard Control

Prerequisite Requirements:

All students must meet the requirements of NFPA 1006 2017 Ed. Chapter 5.2 – Rope Rescue Operations for registration in this program of instruction.

Required Equipment:

- Structural firefighting or technical rescue ensemble meeting NFPA 1971 or 1951
- Helmet meeting NFPA 1971 or 1951 with chin strap
- Leather or approved vehicle rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Vehicle Rescue Technician

Description:

This 16-hour course is designed to train the student in the skills required for advanced response to vehicle rescues. Skills for this program of instruction are drawn out of the job performance requirements found in the most current editions of NFPA 1006 and NFPA 1670 the NFPA Standards for technical rescue. Students will receive instruction on advanced vehicle rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Commercial / Large Vehicle Stabilization
- Hazardous Energy Isolation
- Creation of Access Openings in Large Vehicles
- Victim Disentanglement and Removal
- Personal Protective Equipment
- Hazard Control

Prerequisite Requirements:

Training to the vehicle rescue operations level as described in NFPA 1006 is required for registration in this program of instruction.

Required Equipment:

- Structural firefighting or technical rescue ensemble meeting NFPA 1971 or 1951
- Helmet meeting NFPA 1971 or 1951 with chin strap
- Leather or approved vehicle rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Vehicle Rescue Awareness, Operations and Technician

Description:

This 24-hour course is designed to train the student in the skills required for advanced response to vehicle rescues. Skills for this program of instruction are drawn out of the job performance requirements found in the most current editions of NFPA 1006 and NFPA 1670 the NFPA Standards for technical rescue. Students will receive instruction on advanced vehicle rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Passenger Vehicle Stabilization
- Commercial / Large Vehicle Stabilization
- Hazardous Energy Isolation
- Creation of Access Openings in Passenger Vehicles
- Creation of Access Openings in Large Vehicles
- Personal Protective Equipment
- Hazard Control Equipment Selection & Inspection
- Victim Disentanglement and Removal
- Hazard Control

Prerequisite Requirements:

All students must meet the requirements of NFPA 1006 2017 Ed. Chapter 5.2 – Rope Rescue Operations for registration in this program of instruction.

Required Equipment:

- Structural firefighting or technical rescue ensemble meeting NFPA 1971 or 1951
- Helmet meeting NFPA 1971 or 1951 with chin strap
- Leather or approved vehicle rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Trench Rescue Awareness and Operations

Description:

This 24-hour course is designed to train the student in the skills required to safely operate at trench rescue incidents. Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. Students will receive instruction on the fundamental aspects of trench rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Collapse Types
- Soil Physics
- Sheeting & Shoring
- Stabilization
- Patient Assessment, Removal & Packaging
- Lifting & Cribbing
- Air Bags & Supplemental Sheeting
- Heavy Equipment

Prerequisite Requirements:

All students must meet the requirements of NFPA 1006 rope rescue operations for registration in this program of instruction.

Required Equipment:

Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977, 1951 or OSHA hard hat with chin strap
- Leather or rope rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87 during the hands-on portions of the course.
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Trench Rescue Technician

Description:

This 16-hour course is designed to train the student in the skills required for safe operations at advanced trench rescue incidents Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. Students will receive instruction on the fundamental as well as advanced aspects of trench rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Collapse Types
- Soil Physics
- Sheeting & Shoring
- Stabilization
- Patient Assessment, Removal & Packaging
- Shoring of Deep Trenches
- Shoring of Intersecting Trenches
- Lifting & Cribbing
- Air Bags & Supplemental Sheeting
- Heavy Equipment

Prerequisite Requirements:

Training to the trench rescue operations level as described in NFPA 1006 is required for registration in this program of instruction.

Required Equipment:

Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977, 1951 or OSHA hard hat with chin strap
- Leather or rope rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87 during the hands-on portions of the course.
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Trench Rescue Awareness, Operations and Technician

Description:

This 32-hour course is designed to train the student in the skills required for safe operations at advanced trench rescue incidents Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. Students will receive instruction on the fundamental as well as advanced aspects of trench rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Equipment Selection & Inspection
- Incident Size-Up & Victim Management
- Equipment Safety Factors & Maintenance
- Collapse Types
- Soil Physics
- Sheeting & Shoring
- Stabilization
- Patient Assessment, Removal & Packaging
- Shoring of Deep Trenches
- Shoring of Intersecting Trenches
- Lifting & Cribbing
- Air Bags & Supplemental Sheeting
- Heavy Equipment

Prerequisite Requirements:

All students must meet the requirements of NFPA 1006 rope rescue operations for registration in this program of instruction.

Required Equipment:

Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977, 1951 or OSHA hard hat with chin strap
- Leather or rope rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87 during the hands-on portions of the course.
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Structural Collapse Rescue Awareness and Operations

Description:

This 40-hour course is designed to train the student in the skills required for response to structural collapse incidents involving light frame construction. Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. FEMA structural collapse curriculum is used to ensure students can communicate and operate with similarly trained peers from across the nation. Students will receive instruction on the fundamentals of structural collapse rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Assessment Skills
- Basic Structural Systems
- Light Frame Structural Size-Up & Response
- Emergency Shoring Theory & Construction
- Lifting, Moving & Cribbing
- Victim Search & Extrication
- Tool & Equipment Familiarization

Prerequisite Requirements:

All students must meet the requirements of NFPA 1006 rope rescue operations for registration in this program of instruction.

Required Equipment:

Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977 or 1951 with chin strap
- Leather or approved rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87
- Long sleeved shirt and long pants
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Structural Collapse Rescue Technician

Description:
This 40-hour course is designed to train the student in the skills required for response to structural collapse incidents involving heavy frame construction. Skills for this program of instruction are drawn out of the requirements found in in the most current editions of NFPA 1006 and NFPA 1670. FEMA structural collapse curriculum is used to ensure students can communicate and operate with similarly trained peers from across the nation. Students will receive instruction on the fundamentals of structural collapse rescue in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Heavy Structure Size-Up & Response
- Victim Search & Extrication
- Breaching & Breaking
- Lifting, Moving and Cribbing
- Metal Burning
- Basic Crane Operations & Rigging

Prerequisite Requirements:
Training to the structural collapse rescue operations level as described in NFPA 1006 is required for registration in this program of instruction.

Required Equipment:
Students are required to provide and wear:

- Helmet meeting NFPA 1971, 1977 or 1951 with chin strap
- Leather or approved rescue gloves
- Safety toed footwear
- Eye protection meeting minimum ANSI Z87
- Long sleeved shirt and long pants
- All classes will be held regardless of weather conditions, foul weather gear is the responsibility of the student.

Hazardous Materials Awareness & Operations

Description:
This 32-hour course is designed to train the student in the skills required for response to hazardous materials incidents. Skills for this program of instruction are drawn out of the most current editions of NFPA 1072 and 472 the NFPA Standards for Hazardous Materials Response. Students will receive instruction on the fundamentals of hazardous materials identification, isolation, and response in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Detecting the presence of hazardous materials
- Surveying & assessment of hazardous materials incidents
- Initiating protective actions
- Predicting the behavior of hazardous materials
- Planning and implementing a planned response
- PPE selection and use
- Decontamination procedures, including emergency, gross, technical, and mass decon
- Defensive product control

Prerequisite Requirements:
There are no prerequisite requirements for this program of instruction.

Required Equipment:
Students are required to provide and wear a helmet, gloves and eye protection during the hands on portions of the course. Sturdy footwear is also recommended as many of the evolutions are conducted in an outdoor environment. Due to the nature of hands-on instruction in the various types of decontamination, students will be acting as victims that need to go through the decontamination process using water. Please bring swimwear appropriate for participation in a decontamination evolution. All classes will be held regardless of weather conditions, foul weather gear is the student's responsibility.

Hazardous Material Technician

Description:

This 32-hour course is designed to train the student in the skills required for certification in Hazardous Materials response to the Technician level. Skills for this program of instruction are drawn out of the competencies found in the most recent editions of NFPA 1072 and 472 the NFPA Standards for Hazardous Materials Response. Students will receive instruction on the fundamentals of risk-based hazardous materials response and incident analysis in both classroom and practical settings, including scenario-based instruction.

Skills taught include:

- Analyze a hazardous materials incident
- Determine the complexity of a hazardous materials incident
- Determine potential outcomes of a hazardous materials incident
- Plan and coordinate a response
- PPE selection & use
- Offensive product control measures
- Product identification & monitoring equipment
- Decontamination procedures
- Evaluate progress
- Terminate a hazardous materials incident

Prerequisite Requirements:

Students must be trained to the hazardous materials operations level.

Required Equipment:

Students are required to provide and wear a helmet, gloves, and eye protection during the hands-on portions of the course. Sturdy footwear is also recommended as many of the evolutions are conducted in an outdoor environment. All classes will be held regardless of weather conditions, foul weather gear is the student's responsibility.

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Technical Rescue Instructors

Aaron Droessler has been involved in the fire & emergency response community for over 22 years, 20 of them on a municipal fire department. Aaron currently holds the rank of Lieutenant. He is a member of the department's hazardous materials response team, special operations/technical rescue response team, has served on numerous departments planning committees, and is a licensed Paramedic. Aaron is holds fire instructor level three certification.

Aaron has been a member of the Special Operations subcommittee to the State of Wisconsin EMS Board, and is currently a Specialist with the State of Wisconsin Hazardous Materials Response System. He has been very active in the formation and stand-up of Wisconsin Urban Search & Rescue Task Force One (WI-TF1), where he holds the position of Task Force Leader and US&R Medical Specialist.

Aaron was a manager at a large, nationally accredited training center for 12 years, where he held the positions of Certification Coordinator and Senior Instructor. Aaron has instructed military and civilian responders in many aspects of emergency and disaster response - across the country and internationally - including technical rescue, hazmat, and emergency medical response, along with the planning and execution of large-scale exercises. Aaron was instrumental in the facility achieving nationally recognized accreditation through The National Board on Fire Service Professional Qualifications (The Pro Board) and was responsible for the certification program and curriculums.

Rick James has been involved in the fire & rescue response community for over 27 years, 23 of them as a municipal firefighter. Rick currently holds the rank of Captain. He is a member of the department's hazardous materials response team and special operations team. Rick has served on several city-wide process improvement teams as well as various department committees. Rick holds fire instructor level two certification.

Rick served as a principal member of the National Fire Protection Association's 1670 committee on technical rescue, working with a broad group of stake holders to ensure this standard keeps pace with an ever-evolving set of hazards our nations responders face. Rick currently serves as a Specialist with the State of Wisconsin Hazardous Materials Response System and has been very active in the formation and stand-up of Wisconsin's Urban Search & Rescue Task Force One (WI-TF1), where he holds the position of Task Force Leader and Plans Officer.

Rick was a manager for a large nationally accredited training facility for 12 years, where he held the positions of training coordinator and senior instructor. Rick has instructed military and civilian responders in many aspects of emergency and disaster response - across the country and internationally - including technical rescue, hazmat, and recovery operations to include the planning and execution of large-scale exercises. Rick spearheaded customer engagement and worked with enterprises large and small to define their needs and deliver quality training and exercise products around the globe.

"Q" COURSE APPLICATION

FMQ20-043

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV
Phone: 517-241-8847

To add a seminar/course to be listed in SMOKE submit this form to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV for review. The request will be reviewed and forwarded to the Michigan Fire Fighter Training Council (MFFTC) for curriculum review at the next scheduled MFFTC meeting (all requests must be made at least 15 days prior to the next regularly scheduled meeting).

SECTION I

Name of Applicant: Steve Stawecki		**Pin Number:** 614183	**Date:** 10/18/2020
Host Fire Department: TBD			**County:** TBD
Applicant Street Address: 47884 Westbrook Ct			
City: Chesterfield	**State:** MI	**Zip Code:** 48051	**Email:** stephenstawecki@yahoo.com
Applicant Phone Number: 5863725655		**Alternate Number:** 5867890668	

SECTION II

Seminar/Course Name: Modern Engine Operations	
Instructor(s): Steve Stawecki and Chris Gruener	**Instructor Email/URL:** stephenstawecki@yahoo.com
Instructor Phone Number: 5863725655	**Flyer Attached:** ☒

Course Description: (Include course syllabus and detailed course expenses-you may attach additional pages if needed)

The focus of this class is how to combat today's modern fire environment. Topics covered include knowing your flows, attack packages (1 ¾, 2 ¼ and 2 ½ lines), nozzles, hydraulics, hose loads and deployment. This is an interactive and hands on class discussing the importance of applying large volumes of water (gallons per minute) to reduce the amount of heat (BTU's) that is generated in today's building construction. The importance of stretching the first line correctly, delivering decisive amounts of water by handlines and deck guns are reviewed. Students are given the critical knowledge, skills, and abilities to plan, test, train, and execute safe and intelligent aggressive fire attack operations

Syllabus and course expenses attached

Applicable NFPA Standard(s): 1500, 1710, 1901, 1961, 1962, 1964

Class Capacity: 24	**Total Hours of Training:** 12

SECTION III

Applicant Signature:	**Date:** 10/18/2020

BFS USE ONLY

Date Approved by MFFTC:	**"Q" Course Number Assigned**	**Date Course Catalog Updated**

RAPID INTERVENTION TEAM TRAINING COURSE OVERVIEW (Q37H)

Introduction:

This mentally and physically challenging, 2-day hands-on class will provide the necessary skill sets for this critical fire ground function. The primary focus of this class will be to allow the student to gain sufficient knowledge and skills so that he/she can safely perform RIT functions. This training will have some classroom, but mostly practical portions creating realistic situations where RIT would be used under simulated conditions. This program trains and evaluates RIT members while performing these RIT duties under realistic conditions.

Total Course Time:

16 (sixteen) hours (3 hours of classroom, 13 hours of practical)

Maximum Class Size:

30 students

Student Skill Level:

Students must be minimum Firefighter I, Firefighter II preferred.

Classroom instruction includes the following subjects:

- Regulatory Standards
- The Nature of the Problem
- Line of Duty Deaths
- Training
- RIT Equipment
- Mayday
- Reading Smoke
- Size-Up
- Air Management
- Firefighter Self Survival
- RIT Team Training
    - Denver Drill
    - Nance Drill
    - Rescue Drags and Carries
    - Search Patterns
    - Composition of the RIT Team
    - Responsibilities of the Team Members

The course meets the following standards:

- NFPA 1407
- NFPA 1500

- NFPA 1561
- NFPA 1710
- NFPA 1720

Practical Standards:

All practical evolutions will meet NFPA 1407

Practical Objectives:

- Knowledge of the RIT Equipment
- Calling the Mayday
- Understanding how to read smoke
- Knowing how to size-up a building
- Understanding and knowledge of your SCBA
- Using the rules of air management
- Self-Survival Procedures and Following a Hose Line
- Wall Breach
- Entanglement Box
- Denver Drill
- Below grade to grade level rescue/removal
- Upper floor removal
- Individual rescue drags and carries
- Rope assisted search techniques
- Scenario based exercise

Equipment needed for the practical: (Supplied by hosting department)

- Full PPE
- SCBA with spare bottle
- One engine
- Hand tools

Equipment supplied by the instructors:

- All props needed for the training
- Ropes

Instructor Contact Information:

Sergeant Steve Stawecki

Macomb Twp. Fire Dept

586-372-5655

stephenstawecki@yahoo.com

TOTAL COST:

$3,710.00

Program of Instruction

Course Syllabus

Course Title: Modern Engine Operations

Course Duration: 12 Hours

Course Prerequisites: None

Course Description: The focus of this class is how to combat today's modern fire environment. Topics covered include knowing your flows, attack packages (1 ¾, 2 ¼ and 2 ½ lines), nozzles, hydraulics, hose loads and deployment. This is an interactive and hands on class discussing the importance of applying large volumes of water (gallons per minute) to reduce the amount of heat (BTU's) that is generated in today's building construction. The importance of stretching the first line correctly, delivering decisive amounts of water by handlines and deck guns are reviewed. Students are given the critical knowledge, skills, and abilities to plan, test, train, and execute safe and intelligent aggressive fire attack operations. The class offers firefighters and Officers an opportunity to either sharpen their current skills, or learn new and efficient skills for the all-important task of getting water on the fire. This course includes a classroom component and can be customized to include numerous drills. These can include hose loads, establishing water supply advancing lines through a variety of objectives including stairways, ground level and basement deployment if available are skills vital to the engine company. The course also covers engine company responsibilities with regard to rescue and other tactical priorities are presented and practiced.

Course Content:

Module 1: Basic Engine Company Operations

Terminal Learning Objectives:

At the conclusion of this module students will identify the core components of

Engine Company Operations on the fire ground.

Module 2: Water Supply & Master Streams

Terminal Learning Objective:

1. At the conclusion of this module students will identify core components of water supply and Master Streams.

Course Schedule

Event	**Duration**
Module 1 – Basic Engine Operations Lecture	3 hour
Module 2 - Water Supply & Master Streams	1 hour
Drills – Hydrant Connections, Triple Layer, Flat Load	2 hours

Drills/Scenarios – Customized 6 hours

Advancing 1 ¾ attack lines to multiple floors

Advancing 1 ¾ attack lines

Advancing 2 ½ attack lines

Transitional attack

Advancing Attack Lines with Search

Single Family Dwelling

Single Family with Extension

Course Expenses

Instructor Fee:

2 (two) Instructors

24-man hours @ $55.00 - $1,320.00

Lodging: $200.00/night

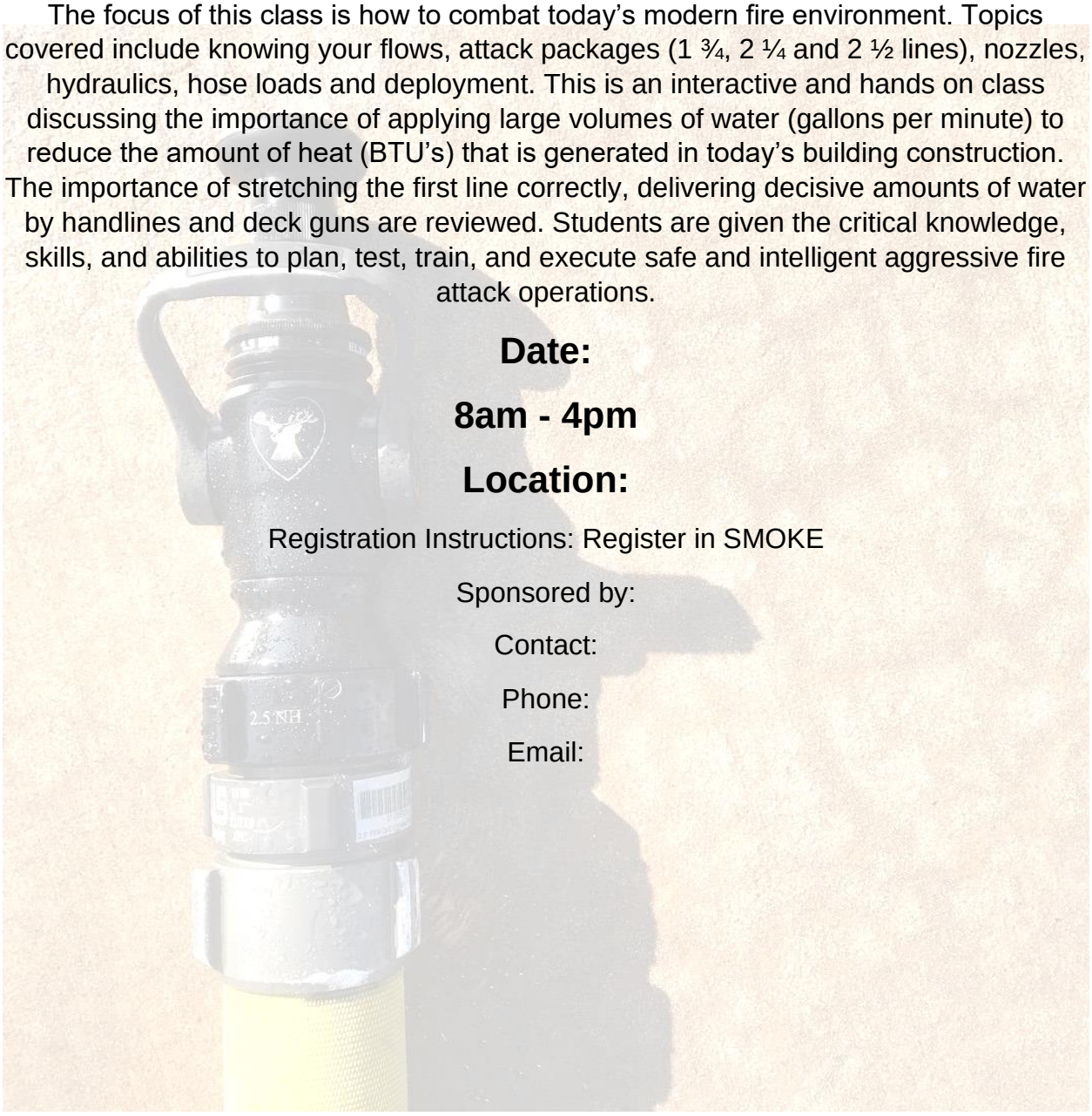
Meals: $50.00/day

Milage: .58/mile

Total: $2,000.00

Modern Engine Operations

The focus of this class is how to combat today's modern fire environment. Topics covered include knowing your flows, attack packages (1 ¾, 2 ¼ and 2 ½ lines), nozzles, hydraulics, hose loads and deployment. This is an interactive and hands on class discussing the importance of applying large volumes of water (gallons per minute) to reduce the amount of heat (BTU's) that is generated in today's building construction. The importance of stretching the first line correctly, delivering decisive amounts of water by handlines and deck guns are reviewed. Students are given the critical knowledge, skills, and abilities to plan, test, train, and execute safe and intelligent aggressive fire attack operations.



Date:

8am - 4pm

Location:

Registration Instructions: Register in SMOKE

Sponsored by:

Contact:

Phone:

Email: