



2011 Kansas Technical Rescue Conference **Thursday-Saturday • September 29-October 1, 2011**

Kansas Training Center, Building #365
2930 Scanlan Avenue, Salina, Kansas

This conference offers an exceptional personal and professional development opportunity for the technical rescue community in Kansas. Participants will gather from across the spectrum of rescue disciplines, including structural collapse, trench collapse, confined space, water rescue teams, along with equipment, manufacturers, and distributors. It will provide an open forum for sharing news and views on advances in equipment and techniques, technical problems and mutual issues surrounding our local jurisdictions. This year there will be three four-hour training tracks with a scenario at the end. These classes along with the scenario will broaden your skills to further develop operational objectives within a technical rescue environment. We encourage free flow of information among participants, and this conference includes an informal evening with vendors where attendees can share experiences with peers.

Sponsored by

Kansas Search and Rescue Working Group, Kansas Division of Emergency Management, State of Kansas Adjutant General's Department and Great Plains Joint Regional Training Center, and Kansas Fire & Rescue Training Institute

Registration & Fees

Please register in advance.

Full three-day conference is \$100. Registration includes all course materials, refreshment breaks, and lunch on Thursday and Friday. Please indicate on the online registration form which training tracks (classes) you plan to attend each day of the conference.

Single-day registration is \$50. Registration includes all course materials and refreshment breaks for one day. If you attend on Thursday or Friday, lunch will be included on either of those days. The single-day registrant may choose to attend any one of the three days. Please indicate on the online registration form which day you plan to attend and the training tracks (classes) you plan to attend.

Easy Ways to Register

Phone Toll-free 866-804-8841 or 785-864-4790

Web www.ContinuingEd.ku.edu/fire

Meals, Location, Lodging & Parking

Lunch on Thursday and Friday will be provided for all attending participants. Breakfast on Friday and Saturday will be provided to registered participants staying at Nickell Hall.

Conference presentations will be in Building #365, 2930 Scanlan Avenue, Salina, Kansas.

Key Leader Discussion/ Workshop will be held at Crisis City.

All classes including the scenario will be held at Crisis City.

A block of rooms has been reserved at Nickell Hall, 2930 Scanlan Avenue, at a daily rate of \$15 per person for double occupancy. Reservations cannot be made. Rooms will be available on a first-come, first-served basis. The block of rooms is reserved for Kansas Search and Rescue ***task force members only***. In the event that there are unfilled rooms, non-task force members will be permitted to fill the unoccupied rooms.

Nickell Hall and Building #365 are across from each other. There is ample, free parking surrounding these buildings.

Day 1—Thursday, September 29

Presentations and Classes

7–9 a.m. **Registration for Main Conference**
(Kansas Training Center, Building #365, 2930 Scanlan Avenue)

9:00 a.m. **Opening Ceremonies**
Color Guard

Welcome

Glenn Pribbenow, Director, KF&RTI, Lawrence

Fred Pawlicki, Executive Director, KU Continuing Education, Lawrence

Larry Mullikin, Fire Chief, Salina Fire Department

Randy Hill, Leawood Fire Department, Emcee for Conference

9:30 a.m. **United We Stand: Is This America's Golden Hour?**
Ari Vidali, CEO, Envisage Technologies & Founder, The Readiness Network USA

Over the past decade, there has been a significant increase in catastrophic events worldwide. Since 2001, our nation has responded to a wide spectrum of critical incidents that are both natural and manmade. The combined impact of these events has contributed to a growing sense of urgency, and with it a renewed call for our nation to increase the resilience of our states, communities, families and citizens. We live in a world that relies on technology, and our ability to adapt to changing conditions, withstand and rapidly recover from disruption due to emergencies has seemingly been eroded over the years. What would become of us, if the technology we rely upon daily were not available during a prolonged crisis?

This keynote presentation takes the audience on a fascinating journey that spans American history from the 19th Century to present day. The audience will relive some of the great feats of resilience from our early pioneering days to some of the major crises our nation endured during the last 200 years. Can we reclaim some of that resilient spirit of the pioneers and Native Americans who came before us? **Is this America's Golden Hour?**—or will technology come to our rescue?

10:45 a.m. Break (refreshments provided by KDEM)

11:00 a.m. **Alabama Tornado Outbreak**
In April of 2011 a severe weather outbreak spawned more than 170 tornadoes across the South and resulted in almost 300 fatalities. Listen to responders as they describe their response and share lessons they learned.

Noon Lunch provided by KDEM

All activities will resume at Crisis City.

Key Leaders Discussion/ Workshop

1–3 p.m. **Pervasive Readiness: Pipedream or Possible?**
A Practical Approach to Implementing Public Safety Ecosystems
Ari Vidali, CEO, Envisage Technologies & Founder, The Readiness Network USA

With the advent of Presidential Policy Directive/PPD-8 (National Preparedness), government organizations at all levels are facing intense pressure to establish and measure readiness in the ability to prepare for, respond to, and recover from crises and natural disasters. Readiness as a concept is easy to grasp in principle, yet exceedingly difficult to implement due to the fragmentation of processes within the public safety sector and a fundamental failure to understand the basic difference between capacity and capability necessary to build and achieve Readiness. A strategy is required that enables heterogeneous public safety communities to achieve operational agility before, during and after a crisis while optimizing their allocation of funding and resources to arrive at a balanced readiness posture.

No single individual, department, agency or organization has all of the information necessary to continuously measure readiness within its geographic boundary. Participation in standardized measurement is often stymied by disparate data storage, fragmented processes, budgets, politics, culture and resistance to change. Yet it is recognized that readiness saves lives; therefore a practical approach is required to establish a framework for effectively measuring readiness against a government's prioritized Risk Assessment. The Indiana Department of Homeland Security has made significant progress in uniting all of the major stakeholders into a cohesive

public safety ecosystem. Indiana is taking an innovative approach to achieving, measuring, and optimizing readiness.

During the workshop, we will lead a discussion involving participants about new models, significant lessons learned, best practices, processes, and feasible approaches to structuring public safety in view of optimizing a state's readiness.

Workshop Objectives:

- Facilitate dialog between public safety leaders on aspects of policy, structure, funding, process, measurement and technology.
 - Ask questions and explore answers in light of new developments and emerging models for Public Safety.
 - Learn about Pervasive Readiness concepts and gain an understanding of the people, processes and technology involved in constant readiness monitoring.
 - Gain an understanding of the information that must be aggregated and the process necessary to perform wide-area risk and readiness assessments.
 - Discuss issues that impact the Ready, Respond and Recover continuum.
-

Participant Training Tracks

Every track will be taught in 4-hour blocks at Crisis City.

1–5 p.m. **Track One**

VMR Level 2 HoT

Max: 20 participants in each block

This hands-on experience within Vehicle and Machine Rescue Level 2 is a review and exposure to advanced rescue techniques regarding passenger vehicles and commercial vehicles involving advanced and difficult situations. This will only be a small portion of the full course delivery and only partially completes the objectives of NFPA 1006 VMR Level 1 and 2 standards.

There will be several rotating stations within the four-hour block. Each will contain different advanced and complicated scenarios with some involving vehicles and structures and/or large commercial vehicles/machines together. This HoT will provide the material needed in order to perform the final evolution for the conference training. These stations and evolutions will be dependent upon prop availability. The intent is to provide review, orientation and opportunity within advanced VMR not often available.

Prerequisites

This VMR HoT is for the individual who has completed the VMR Level 1 coursework or its equivalent to contain basic extrication techniques from common passenger vehicles. Advanced VMR training would be helpful but not necessary.

Required PPE

NFPA compliant helmet, ANSI compliant eye protection, steel-toed boots, leather gloves, and NFPA rescue turnout gear are required. Structural turnout gear and helmets with eye protection are accepted. Technical rescue uniform ensemble with long sleeves is accepted. Wildland ensemble and/or wildland coveralls ensemble is accepted.

Instructors

Joel Zehr is a Firefighter/Paramedic and TRT Coordinator from Newton Fire/EMS. Joel has a significant background in technical rescue and in the trades within the construction, trucking and agricultural areas. Commercial vehicle and machine rescue are a forte for Joel. Joel has been very active in technical rescue within the state of Kansas and teaches multiple

disciplines of technical rescue nationwide. Joel continues to contribute to technical rescue at the state level by participating with work groups regarding technical rescue and is a rescue technician for KSTF-5.

A.J. Venable has been a firefighter in Leawood for the past eight years. A graduate of Prescott College, Arizona, A.J. has a major in education and a minor in emergency services, and has served on SAR teams in Arizona, Colorado, and Yosemite National Park. He currently serves as a Team Leader for Leawood's Technical Rescue Team and is qualified to fill several task force positions from Rescue Specialist to Assistant TFL. A.J. has responded to several major incidents in Kansas, including the Greensburg tornado and SE Kansas Flood.

Advanced Rope Rescue

Max: 20 participants in each block

During this advanced-level rope class, students will be moving a victim using a high-angle rope system; have access in buildings from roof down using rope systems, move victims from lower floors to the roof using high-angle rope systems, securing victims in a stokes basket or other litter device, both with and without an attendant; they will also be setting-up and operating a tensioned rope system, lowering victims from the roof to the ground at a specified distance from the structure.

Prerequisites

Students should have a basic working knowledge of ropes and knots.

Required PPE

Students will be required to work between 20–50 feet above the ground. All students are required to wear a helmet, gloves, and eye protection.

Instructor

Larry Hemphill is currently division chief with 26 years of service with the Salina Fire Department. Larry directs training, firefighter safety and technical rescue programs for the department.

Search Operations

Max: 20 participants in each block

Participants will work as members of a Search Squad to perform Search Operations in a variety of settings. Practical application of wide area, neighborhood and single building search will be used. Participants will perform search functions in conjunction with K9 team(s), utilizing physical search as well as specialized equipment.

Prerequisites

There are no specific pre-requisite classes for this class, but participants will be provided with pre-class materials, prior to the conference, by e-mail. It will be expected that all participants will have read and understand this material.

Required PPE

Required PPE will include a helmet, eye protection, long sleeved shirt, gloves, long pants and steel-toed boots. Participants may also consider bringing a day pack with additional supplies for the final day's scenario.

Instructors

Joey Heideman has worked as a Firefighter/Paramedic and been a member of the Special Operations Group for the Olathe Fire Department for six years. In addition to Technical Search Specialist, Heideman is also certified as a Hazardous Materials Technician and IFSAC Building Collapse Technician.

Annette Gaston is an Independent K-9 Handler. She has 12 years of experience in SAR and is a retired Paramedic with more than 30 years of experience in Emergency Services. She also holds certificates as a Kansas Paramedic: NASAR SARTECH II, Canine SARTECH I Area & Trailing, Disaster-Live and HRD and HRD (land and water): Inland SAR School; and Rescue Systems I. She is also a NASAR Lead Evaluator for SARTECH II and Canine SARTECH Area Search (III, II, I), Tracking/Trailing (III, II, I), Disaster—Live Find and HRD and HRD (land & water). Her canine disaster experience includes deployments to tornados in Parsons, Hoisington, Kansas City, Greensburg and Chapman as well as the Emporia Turnpike Flood.

Jake Ring is a 17-year veteran of the fire service having spent the last five years with the Olathe Fire Department as a Firefighter/Paramedic. He has been a part of the technical rescue team with Olathe since 2007 as a Canine Handler. His canine partner **Copper** is

certified as a Disaster Search Canine as well as in Area Search I & II. Jake is certified as a SARTech II, Disaster Canine Responder, Disaster Search Canine Evaluator and focuses on Collapse Void Searches and Search Strategies in the Urban Environment.

Advanced Shoring Operations

Max: 20 participants in each block

This shoring session will take the attendees knowledge of basic shoring principles to the next level. Attendees will learn how to build their text book square shores in a not so square world. Utilizing the engineered shoring principle associated with each shore they will break down each component and the key factor it plays within the shore. Once this has been identified they will then make the proper adjustments to allow the shore to work within the restrictions of the area needing shored.

Prerequisites

Basic Shoring provided through either a SCT Level 1 course or its equivalent.

Required PPE

PPE requirements include a helmet, gloves, steel-toed boots, eyewear and the Shoring Operation Guide book.

Instructors

Lieutenant Scott Kleinschmidt is a 16-year veteran with the Wichita Fire Department and a Rescue Technician with KSTF-5. He is an instructor in rescue operations at the local, state, and national level.

Brian Force has been a member of the Manhattan Fire Department for seven years, currently ranked as Fire Driver II. He has been active in Confined Space/ High Angle rescue, Ice Rescue, and a member of the Manhattan Fire Department SCT team. Brian is currently one of the department's instructors for shoring operations.

Tech Rescue Rigging: An Introduction to the Art of Rigging Artificial Anchors and High Directionals

Max: 20 participants in each block

This four-hour rigging class is designed for any rope rescue practitioner wishing to improve upon their personal rigging skills. The first hour of the course will begin with a brief physics review of the importance of understanding critical angles and resultant vector forces and then lead into the proper use and techniques involved in building and rigging artificial anchors systems such as pickets, holdfasts and dead-mans. The second hour will focus on demonstrating and practicing basic rigging and guying techniques of round timbers used when constructing gin poles, A-Frames, and tripods. In the third hour, participants will graduate to learning more complex rigging and guying techniques of modern-day technical rescue equipment such as Paratech monopods, bipods, and tripods. The last hour of the workshop will be dedicated to completing a final scenario requiring participants to utilize all the skills learned throughout the course.

Prerequisites

Previous exposure to technician level rope rescue operations and/or a working knowledge of ropes, knots, mechanical advantage, and anchor systems is highly recommended.

Required PPE

Participants will be working with and around rope software/hardware, steel pickets, hand tools such as sledge hammers and shovels, 4" x 12' round timbers, and Paratech struts and accessories. Required PPE includes a helmet, gloves, eye protection, and steel-toed boots.

Instructors

Kevin Weyand is a 17-year veteran of the fire service having spent the last 12 years with the Olathe Fire Department. He has been on the technical rescue team with Olathe since 2002 and has been a Captain on the Heavy Rescue for the past six years. Kevin is certified at the technician level in Rope, Confined Space, Structural Collapse, Trench, Vehicle Extrication, Swift Water/Boat Ops, Hazardous Materials, and is an IFSAC instructor and T-t-T for Structural Collapse, Rope Rescue, and Confined Space for both Kansas and Missouri.

Matthew Parker is a 16-year veteran of the fire service having spent the last 12 years with the Olathe Fire Department. He has been on the technical rescue team with Olathe since 1999 and has been a Firefighter/Paramedic in Heavy Rescue, the past 10 years. Matt is certified at the technician level in Rope, Confined Space, Structural Collapse, Trench, Swift Water/Boat Ops, and Hazardous Materials, and is an IFSAC instructor and T-t-T for Structural Collapse, Rope Rescue, and Confined Space.

Breaching and Breaking Concrete (Structural Collapse Technician Refresher Training)

Max: 20 participants in each block

This four-hour training session is designed for the Structural Collapse Technician wishing to improve and refresh their core-level SCT skills. This course will include practical application of both clean- and dirty-breaching, and the use and application of core drilling for technical search operations. This training session will break down into four separate one-hour, hands-on training modules to include cutting and breaching with Stanley Tools, step cuts and lift outs, dirty breaching with electric and hydraulic jackhammers, and breaching concrete using stitch cuts with a combination of hammer drills and tools. This training will take place on and around the collapse rescue rubble pile at Crisis City.

Participants will be working with heavy-rescue tools including hydraulic, pneumatic and electric saws, drills, jackhammers, and other tools, including basic rescue hand tools. Each participant will receive four documented hours of Structural Collapse Technician Refresher training for completion of this training. Safety practices will be strictly enforced and all personnel are recommended to bring personal water bottles or hydration bladders.

Prerequisites

Previous training and completion of the FEMA Equivalent 80-hour Structural Collapse Rescue Technician course is highly recommended.

Required PPE

Required PPE includes a rescue helmet, leather gloves, approved eye protection, a long sleeve shirt and steel-toed boots. Hearing protection and dust masks will be available.

Instructors

Jeff Scott is currently a Battalion Chief with Consolidated Fire District #2 in N.E. Johnson County and has 21 years in the Fire Service. Jeff has certifications in Trench Rescue, Rope Rescue and Structural Collapse. Currently he is an instructor in Trench Rescue and Structural Collapse. Jeff was deployed to Mississippi during Katrina and Greensburg, Kansas after the tornado.

Lieutenant Colonel Dirk Christian is the commander of the 73rd Civil Support Team (WMD) in Topeka, Kansas. Dirk is a 21-year veteran of the fire service; the past six years as the Deputy Chief and Technical Rescue Team Leader for Mission Township Fire Department in Topeka. Dirk has been involved in technical rescue most of his career, focusing on collapse rescue. He is qualified for numerous positions with KSTF-2 and currently serves on numerous local-, state-, and national-level committees and advisory boards, including the national board of directors for the State Urban Search and Rescue Alliance (SUSAR).

6:30 p.m. **Vendor Appreciation Night**
Building #365

Day 2—Friday, September 30

Classes

Every track will be taught in 4-hour blocks at Crisis City

6:30 a.m. **Breakfast provided by KDEM for registered guests staying at Nickell Hall**

7–8 a.m. Registration
Crisis City, Main Building

8 a.m.–Noon **Track Two (see class descriptions)**

- VMR Level 2 HoT
- Search Operations
- Advanced Rope Rescue
- Breach & Break
- Tech Rescue Rigging
- Advanced Shoring Operations

- Noon **Lunch provided by KDEM**
- 1–5 p.m. **Track Three (see class descriptions)**
- VMR Level 2 HoT
 - Search Operations
 - Advanced Rope Rescue
 - Breach & Break
 - Tech Rescue Rigging
 - Advanced Shoring Operations

Day 3—Saturday, October 1

Scenario

Scenario will be taught in a 4-hour block at Crisis City.

- 6:30 a.m. **Breakfast provided by KDEM for registered guests staying at Nickell Hall**
- 7–8 a.m. Registration
 Crisis City, Main Building
- 8 a.m.–Noon **Track Four (Scenario)**

Simulated Tornado Strike—Crisis City

The tornado strike scenario will bring all conference participants together in a coordinated response to a tornado strike that occurred at Crisis City, Kansas at approximately 0600 on October 1, 2011. Participants will be split into squads of six–seven and will function in various capacities, responding to assist with search and rescue operations, with approximately 20 unaccounted, missing victims. Participants will be required to work in teams to locate victims and perform complex rescues in a “live, real-time” environment. This full-scale exercise will demonstrate the importance of a coordinated effort between all phases of search and rescue operations.

Required PPE

A helmet, gloves, steel-toed boots, long pants, eye protection and hearing protection are required.

Recommended PPE

Bring USAR turnout gear: a helmet, gloves, pants, coat, knee pads and elbow pads.

SAR Pack—The SAR pack should carry equipment and supplies that you might need when being sent away from a Base of Operations to work, such as for searching a neighborhood. Suggested contents include water bladder or bottled water, sunscreen, bug repellent, snacks, first-aid supplies, notepad/pens, FOG, hand wipes, Ibuprofen, whistle, rain poncho, ID, extra socks, hat/bandanna, flagging tape, flashlight, 50' rope, two carabiners, 20' of webbing, sunglasses, Multi-Tool.

Facilitators

Randy Hill has been in the fire service for 31 years, the last 15 as Deputy Fire Chief and Emergency Preparedness Coordinator for the City of Leawood. He has technician certifications in rope rescue, structural collapse rescue, and water rescue, and has responded to numerous incidents including Hurricanes Katrina & Rita, the Greensburg tornado, the SE Kansas Flood, and Hurricane Gustav, where he has served in multiple positions from Task Force Leader to Operations Section Chief. Randy currently serves as a Task Force Leader for KSTF3.

Jeff Cox is a 14-year veteran of the Leawood Fire Department, currently holding technician certifications in rope rescue, structural collapse rescue, and water rescue. Jeff is an active instructor within the surface water and technical rescue disciplines and has taught classes throughout the Midwest for Rescue 3 International. Jeff has also served in the U.S. Air Force and Air National Guard for more than 20 years. Jeff currently serves as a Team Leader for Leawood's Technical Rescue Team and a Squad Officer/Rescue Specialist for KSTF3.

Sam Dameron has been a member of the Manhattan Fire Department for 14 years, the last 1.5 years serving as Chief Training Officer. He spent 10 years serving as shift rescue team leader for rope rescue, confined space and trench rescue. Sam is a member of the Manhattan Fire Department's SCT team and is qualified to fill several task-force positions.

Bill Schneider is a Fire Captain with the Olathe Fire Department. He joined the department in 1987. He was been teaching Technical Rescue OPS since 1995. He is certified in Structural Collapse Rescue, Trench Rescue, Confined Space Rescue, Rope Rescue, Swiftwater/Boat Rescue, and is a Hazardous Materials Technician. Captain Schneider is a certified adjunct instructor for the University of Kansas and Missouri Fire Rescue Training Divisions. He has deployed to Biloxi, Mississippi, as part of the Katrina/Rita Hurricane IMS Team in 2005, and as part of the Technical Rescue Team to Greensburg, Kansas, in 2007.

Noon **Lunch provided by Tony's Pizza, Salina, Kansas**

1 p.m. **Closing Ceremonies**

Special Accommodation

If you will need special accommodation, please contact us at 866-804-8841 or 785-864-4790.

Program Accessibility

We accommodate persons with disabilities. To ensure accommodation please call 866-804-8841 or 785-864-4790, and also register at least two weeks before the start of the conference.

The University of Kansas is committed to providing programs and activities to all persons, regardless of race, religion, color, national origin, ancestry, sex, age, disability, and veteran status. In addition, university policies prohibit discrimination on the basis of sexual orientation, marital status, and parental status.

Cancellation Policy

A \$30 fee will be charged for returned checks. KU Continuing Education reserves the right to cancel the course and return all fees in the event of insufficient registration, instructor illness or national emergency. The liability of the University of Kansas is limited to the registration fee. University of Kansas will not be responsible for any losses incurred by registrants, including but not limited to airline cancellation charges or hotel deposits.