

SPOTLIGHT ON SAFETY®



Supreme Pro™ X Ear Muffs

MSA's new Supreme Pro X headsets provide optimal hearing protection with high amplification, especially for law enforcement and military users. Benefits include waterproof microphones and battery compartment, and an auxiliary inlet for radio, dog-tracking devices, and CD players. Slim-design cups accommodate both right- and left-handed shooters. The microphones provide excellent sound quality and perfect directional hearing.

Unique detector can alert to "man down"

MSA's new Altair® 4 Multigas Detector for LEL, CO, H₂S, and O₂ is the only portable gas detector on the market with the optional MotionAlert™ feature, which sounds the alarm if you become disabled, for example, within a confined space.

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OptimAir® TL PAPR offers compact comfort



The sleek, low-profile design makes MSA's NIOSH-approved OptimAir TL PAPR more comfortable than ever, while protecting you against particulates, and toxic gases and vapors. It's perfect for work in pharmaceutical plants; HazMat cleanup; asbestos, mold, and lead paint abatement; chemical processing; and Department of Energy facilities. more on page 3 ▶

PremAire® Cadet Respirator for confined spaces

MSA's new NIOSH-approved PremAire Cadet Combination Supplied-Air Respirator with escape cylinder gives you an

economical yet versatile air-line respirator in a streamlined, lightweight design.

more on page 2 ▶



NFPA-compliant FireHawk® M7 SCBA is latest and greatest

MSA's FireHawk® M7 Air Mask was the first device to be certified as meeting the rigorous new 2007 NFPA performance requirements for both SCBA and Personal Alert Safety Systems (PASS).

As part of our research and engineering process, we interviewed hundreds of active firefighters, listened to substantial customer feedback, and observed field focus groups.

The 2007 changes, which require extremely rigorous testing, have been described by industry professionals as the most demanding in NFPA history. The most notable revision assesses high-temperature functionality and requires PASS devices to emit a 95-decibel alarm at temperatures up to 500° F. (A PASS device sounds a loud, piercing alarm whenever a firefighter becomes disabled or motionless for 30 seconds.)

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Keeping up with Fall Protection standards? Not a problem.

Standing-room-only audiences gathered at National Safety Congress seminars to learn about the recent changes to ANSI and CSA fall protection standards from MSA's own fall protection expert Joseph Feldstein.

Hundreds of people repeatedly filled the room to hear Feldstein, who is an executive ANSI committee member, CSA Technical



Need Fall Protection education & training?

The number of fatalities from lack of fall protection grows each year, but that can be reversed with education, training, and compliance with OSHA regulations and other standards.

MSA's excellent Fall Protection Classes can help you meet the new ANSI standard for a Fall Protection Program at our site (Butler, Pa., or Denver, Colo.) or your own location.

All MSA courses—including customized training—are hands-on, where your employees can use the harnesses in controlled fall situations and mock rescues. Also, MSA can review your written fall protection program and make recommendations, or write a program for you (for a fee).

For details, go to MSAnet.com.

Advisory committee member, and chairman for some of the standards committees.

The most notable change to **ANSI Z359** expands requirements for a Comprehensive Fall Protection Program, outlining requirements and responsibilities for everyone from employer to rescuer. The ANSI Z359 standard is meant to identify, evaluate, and eliminate fall hazards through planning; ensure proper training, installation, and use of fall protection and rescue equipment; and implement safe fall protection and rescue procedures.

Two Canadian fall protection standards, **CSA Z259.10-06** for harnesses and **CSA Z259.11-05** for lanyards, have also undergone significant revisions.

Naturally, MSA fall protection harnesses and lanyards have been updated to comply with these new requirements. For example, to comply with the new Canadian standards, all MSA harnesses are now rated to a 181 kg (400 lb) capacity, and they have a more durable, legible non-removable label pack.

Vest-style harnesses with front D-rings have a smaller front D-ring, rotated 90 degrees to a vertical position, for easy attachment to a connector when climbing systems are used.

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Unique Altair 4 Multigas Detector can alert to “man down”

When enabled, the MotionAlert feature will activate if the instrument does not detect motion for 30 seconds. Also, if desired, the InstantAlert™ Panic Button allows the user to sound an alarm. During other applications, the user can deactivate the MotionAlert feature when it's not needed.

This super-durable, competitively priced personal multi-gas detector has an independently-certified IP67 rating. Use it on the job in the oil, gas, and petrochemical industry; confined spaces; fire service; utilities and telecommunications; municipal works and waste water facilities; and civil engineering.

The Altair 4 Detector is compatible with MSA's Galaxy® System for automated calibration and record keeping, and ready for MSA Link™ Software. An economical QuickCheck® Station can provide simple bump tests. 🛡️



Saltwater soak doesn't stop the H₂S Altair® Detector

Here's another fine example of the characteristic water-tightness and ruggedness of MSA's Altair detectors.

MSA distributor sales rep Israel Santibanez, on a sandbar rescue in Louisiana with his client BW Technologies, had attached his H₂S Altair Detector to his V-Gard® Cap. But, from 40 feet in the air, his helmet and the Altair fell into the saltwater.

He thought they were lost for good, but after 30 minutes, both were retrieved from the water.

When Santibanez turned the Altair Detector on, it worked perfectly. The client was so impressed with this unplanned demonstration that he purchased 10 Altair detectors on the spot and later ordered another 15.

Santibanez himself was surprised that the instrument didn't suffer any damage after falling that far and being in the saltwater that long. 🛡️



MSA Link™ Software is fast, easy to use, and free

New MSA Link™ Software can transfer your portable gas detection instrument records of alarm set points, calibrations, alarm events, and other stored information to a connected PC's hard drive. You can download the software free from MSAnet.com, or buy it as a CD-ROM. At this same link, you'll also find USB IR Driver and MSA Galaxy® Network Manager programs available for free download.

Portable instruments compatible with MSA Link Software are the Altair® Single-Gas Detectors, Altair Pro Single-Gas Detectors, the Solaris® Multigas Detector, Sirius® Multigas Detector with PID, and Orion® Multigas Detector. Some older MSA instruments may require minor upgrades for compatibility.

The Solaris, Orion, and Sirius multigas detectors, and the Altair Single-Gas Detector are also compatible with the **Galaxy Automated Test System**, an easy-to-use calibration-and-test system that is durable enough to withstand harsh environments. It can operate completely standalone, or be connected to a computer network, and its automated recordkeeping capabilities lower the overall total cost of ownership of MSA gas detectors. 🛡️



MSAnet.com

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Compact design puts MSA's PremAire® Cadet Escape Respirator into confined spaces

The unique first-stage regulator and cylinder valve are housed within one compact low-profile assembly, which is less likely to snag when used in tight places. Choose from escape cylinders rated at 5, 10, and 15 minutes, worn on either hip. You can also choose either the Ultra Elite® or new Advantage® 4000 facepiece. 🛡️



New Biosensor™ Detector spots biological agents

First responders will love MSA's **Biosensor 2200R Biological Agent Detector**, a handheld portable instrument for rapid detection, analysis, and identification of biological agents.

Unique bioassay technology offers excellent sensitivity and low false positives, and is very easy to use during white powder response calls. This highly accurate detection method provides rapid measurement of biohazards such as anthrax, ricin, botulism, SEB, and plague.

MSA's exclusive five-minute answer time allows first responders to make informed critical decisions more rapidly than with any other biological agent detector.

The Biosensor 2200R Detector employs dynamic

surface generation, a patent-pending type of immunoassay detection technology, which offers significant advantages over other field-based assay methods by combining the benefits of both the free-solution and lateral-flow types of testing.

This results in quicker analysis, a user-friendly format, and detector stability within a wide range of climates.

Both wet and dry samples can be tested with results displayed in either red (target present) or green (no target present). Tests are nondestructive and samples may be retained as evidence.

Single-test disposable cartridges with on-board reagents have a 12-month shelf life. 🧯



MSA's Advantage® 4000 Respirator converts easily to different protection levels

Facepiece conversion just became a little easier with MSA's new NIOSH-approved Advantage 4000 Respirator. The adapter change-out design offers convenient facepiece conversion options for SCBA, SAR, and APR applications without special tools.

It is as easy as choosing the single-port or twin-port facepiece, selecting the adapter that goes with your respirator, and locking it into place quickly via a push-and-turn/snap-off design.

This new design reduces the likelihood of cross-contamination, as a common inhalation check valve is not shared among multiple workers, and only one fit test is required for all Advantage 4000 Respirator facepiece models. The facepiece lens meets ANSI Z87.1 for high-impact performance. 🧯

Renting detection systems makes homeland security easier

Fast, reliable information is essential for reducing exposure risk and coordinating response in the event of an attack. Protecting the public is no easy task, and it takes huge numbers of equipment, people, and organization.

Whether you must protect a large public site or a single location, you can now acquire the most sophisticated multi-threat detection systems with MSA's Homeland Security Equipment Rental Program. You'll receive all equipment, software, deployment, operating, and monitoring assistance to detect nerve and blister agents, VX, gamma radiation, toxic industrial chemicals, and combustible gases.

You can even rent the exact detection equipment you need for only a single event, to suit your immediate needs and budget.

For detailed information, go to MSAnet.com. 🧯



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OptimAir® TL PAPR offers compact comfort

The motor blower, cartridges, and battery are enclosed in a single slim, curved, hip-hugging housing, making it less bulky and easier for work in confined spaces.

The standard OptimAir TL PAPR kit includes a motor blower, smart charger, standard battery, hose, and decon belt. The design allows for fast, accurate changeout of cartridges, hoods, and batteries.

Improved motor blower electronics allow for optimum air flow and filter resistance, while the compact, ergonomic battery pack affords lightweight comfort and fit.

Flow-control sensors are activated by insertion of the cartridges and breathing hose to the blower housing. The unit automatically adjusts for altitude via an internal pressure sensor.

"Smart" features set flow rates automatically through built-in sensors. The unit offers both audible and visual low-flow and low-battery alarms for added worker safety. The audible alarms travel up the breathing tube and sound close to the user's ear for added protection in high-noise environments. 🧯



Respirator News

MSA's new NIOSH-approved **Responder™ CBRN PAPR** is ideal for law enforcement, first responder, military, and special operations personnel who need CBRN respiratory protection for an extended period of time. It was the first powered air-purifying respirator to be tested and receive NIOSH approval according to the new standard for PAPR with CBRN protection, issued in October 2006.



MSA's new **S-Cap™ Fire Escape Hood** protects victims from a fire's smoke and deadly gases, especially carbon monoxide. The highly visible, easy-to-don yellow hood is effective within seconds, and uses a filter designed for a minimum 15-minute-rated service time. 🧯

FLASHOVER: the worst of firefighting

A flashover is the most dangerous event in a fire. Firefighters must know the warning signs to avoid being trapped or killed, and their personal protective equipment must be the best possible.

According to the National Fire Protection Association, flashover is a stage in the development of a contained fire in which all exposed surfaces reach ignition temperature more or less simultaneously, and fire quickly spreads throughout the space. In lay terms, the room simply bursts into flames.

A flashover in a 2007 Charleston, S.C., warehouse fire caused the worst loss of emergency personnel since the 9/11 tragedies. Nine firefighters—with a combined 131 years of experience—died while simply doing their jobs.



Cairns® Helmet exclusive thermal impact cap shell release system makes the difference

Louisiana:

George Frost, a four-year firefighter with St. Tammany Parish Fire District 13, has put his Cairns 1044 Helmet to the test twice. First, it was inadvertently run over by a fire truck, at which point it should have been replaced.

"It's supposed to be made to last," Frost jokes. "I like to put it to the test."

On a more somber note, Frost and his fellow firefighters were in a training container using burning fuel. Unexpectedly, the training fire rapidly raged out of control, and extreme heat made the container glow red.

The firefighters hurriedly evacuated, and soon Frost realized his bunker gear was charred and had melted, along with the borques, stickers, and flashlight band on his Cairns 1044 Helmet. However, his helmet remained intact.

Luckily, the thermal impact cap took the brunt of the extreme heat, and Frost did not suffer any burns on his head.

Connecticut:

Firefighter Chris Pepler and Lt. Kevin Hayes were among the Torrington Firefighters responding to a three-story, three-family house fire. As they attempted to climb stairs to the third floor to search for trapped victims, the rooms

glowed bright orange, and intense heat pushed them back.

Then, the carpet melted beneath their feet. Pepler and Hayes knew the warning signs of flashover and quickly escaped. Fortunately, both survived without injury, and there were no fire victims. Pepler credits his Cairns Houston N6A traditional leather helmet with the standard thermal impact cap for protecting his head from burns.


For more information, see MSA's white paper about flashovers online at MSAnet.com.

New 360R Cairns® Helmet for EMS and rescue

MSA CAIRNS

MSA Cairns offers two new low-profile, lightweight emergency service and rescue helmets that meet NFPA 1951-2000 requirements for urban search and rescue (USAR).

The no-brim design allows EMS, rescue, and other personnel protection against impact and penetration hazards in confined spaces, vehicle rescues, and other situations.

Choices and options include six helmet colors; goggles; headband liner; chinstrap; and trim type, color, and shape. 




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NFPA-compliant FireHawk® M7 SCBA

The FireHawk M7 PASS—the first (and initially, the only) PASS Alarm certified as NFPA-compliant—was developed by MSA with input from third-party acoustic experts. It uses patent-pending technology to meet the new NFPA requirements.

The M7 Air Mask features a high-performance mechanical speech diaphragm with an optional electronic amplifier to back it up; a personal wireless network designed to accept future technological updates; and a wireless heads-up display with auto-dim and buddy light that blinks to alert others that the user is low on air.

Other features include a lightweight polymer back plate with quick-release harness straps, an optional large swiveling lumbar pad and cam-lock cylinder attachment, and a unique optional rescue belt with integrated rappelling system.

Besides more stringent PASS performance requirements, the new NFPA standards establish higher benchmarks for electronics durability, which is more important than ever, given the level of advanced technology found in today's units. 



Two new choices in firefighting TICs

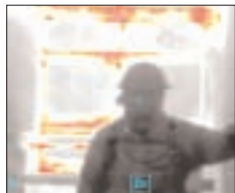
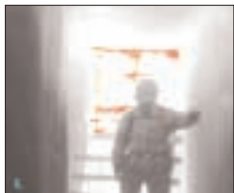
Want a closer look?

The optional 2x digital zoom on MSA's new **Evolution® 5200HD2 TIC** lets you zoom in on areas requiring a closer look. Besides other MSA-exclusive features, this thermal imaging camera has four times the image quality of previous TIC designs, and the larger 3.5-inch display is better for multiple-user viewing.

With a 320° F high-sense mode range, this TIC provides high-image definition over the widest temperature range of any fire service TIC, and twice the low sensitivity in the 320° F to +1000° F range.

The Evolution 5200HD2 TIC has the highest Instantaneous Scene Dynamic Range (ISDR) of any fire service TIC, with sharper, more detailed images over the entire temperature range.

Other MSA exclusives include instant-on and mode switching, warnings on all shut-downs, shutter indicator, temperature bar and digital temperature, and a 32% low-sense activation. MSA's Heat Seeker PLUS feature provides colorization of a scene's hottest elements.



Want a lower price?

You don't have to sacrifice MSA quality for affordability when you choose the new **Evolution 5600 Thermal Imaging Camera**, because you'll get the same quality and MSA-exclusive features in a more budget-focused TIC configuration.

The Evolution 5600 TIC has a focal plane of 120 X 120, 15,000 pixels over a wide temperature range. (Most TICs trade image quality for a wider temperature range to keep the camera operating in high-heat environments.) It also gives refined image quality over comparable competitive TICs in low-sense mode. Remember, only MSA's TICs deliver high-sense image quality at up to 320° F, the temperature range that most often matches that of structural fires.

MSA is the industry leader in adding user-friendly features and increasing performance of our TICs while maintaining low lifecycle costs. 🧑‍🚒

SAVED BY CAIRNS HELMETS

Trapped firefighter praises his Cairns Leather Helmet

What started out as a routine search quickly turned into Lieutenant Mike Otto's personal nightmare. This Dallas firefighter was part of the first crew to enter a burning structure to assess the situation and search for potential victims.

Conditions quickly deteriorated, and a distress call was sounded for firefighters to exit the building. But Otto got separated from the line, and suddenly found himself trapped in the fire alone for nearly 30 minutes. Just in time, his fellow firefighters broke a window about 10 feet from him and led him to safety.

"My PPE—that's the reason I'm here today," the 24-year firefighting veteran said.

He suffered second and third degree burns on his back, hands, and the tips of his ears. His helmet was charred. However, where his Cairns N6A Houston leather helmet sat, Otto had no burns.

It was the second Cairns leather helmet that Otto had personally purchased, and he believes it is why he is alive today. The Dallas Fire Department currently wears Cairns Classic 1000 Helmets. 🧑‍🚒



Early Cairns donning saves firefighter in truck accident

Many firefighters responding to fire calls jump on the fire truck and gear up on the way. Luckily, volunteer firefighter Michael Kreiner was already dressed for the unexpected incident that occurred on his way to the fire. The 2,500-gallon tanker truck he was riding in rolled over. Kreiner suffered numerous injuries, including lacerations; a broken nose, arm, and ribs; and a punctured lung. However, he suffered no head trauma and never lost consciousness.

The inner shell of his Cairns 1010 Helmet took the brunt of the force and cracked. A piece of the shield came off, the back brim cracked, and the eagle bent, but the helmet did its job.

Michael Kreiner volunteers for three Pennsylvania fire departments. 🧑‍🚒



Father, son saved by Cairns Helmets

With heavy fire through the roof, Greenock (Pa.) Volunteer Fire Chief Bob Greenawald, his son Assistant Chief Jason Greenawald, and Lieutenant Coleman Stegman assessed the scene at the structure fire and began removing propane tanks and a gas grill from a rear porch to prevent further fire risk.

But suddenly, without warning, the porch roof collapsed on father and son, pinning them underneath the debris. Bob could free himself, but Jason was trapped under the weight of the porch until several firefighters pushed the rubble off.

Jason says, "My leather Cairns New Yorker N5A® Helmet kept the pressure off my head. It did what it's supposed to do." The leather cracked away from the impact cap assembly, but Jason did not suffer any head injuries.

Bob's Cairns 1010 Helmet cracked on the brim from the force of the collapse, but he too, did not sustain any head injuries.

Fortunate to suffer only bruising and minor injuries, both men believe wearing their Cairns helmets and using their chinstraps saved them from serious injury. While it is common practice for firefighters not to wear their chinstraps, these men say their helmets stayed in place and did not dislodge during the incident, thanks to the chinstraps. A good tip to pass on. 🧑‍🚒



New permanent instruments

Ultima® XL/XT Series Gas Monitors offer an affordable choice in continuous gas detection and monitoring while retaining key features of MSA's Ultima X Series Gas Monitors. HART Field Communications Protocol running over 4-20mA output provides convenient setup, calibration, and diagnostics. The hand-held HART communicator, controller or laptop provides a display, while local calibration employs LED and push-buttons.



The Ultima XL Gas Monitor is explosion-proof with a stainless steel enclosure, while the Ultima XT Gas Monitor uses a general-purpose plastic housing.

These units are well-suited for both indoor and outdoor applications within oil and gas, chemical and petrochemical facilities, refineries, steel mills, water and wastewater treatment plants, and general industry.



MSA's new **9010/9020 Controllers**, with their modular design, remote sensors, and dual channel capability, offer a variety of configurations to meet most applications.

Units operate with a complete range of toxic, combustible, and oxygen sensors and transmitters.

Advanced design using SMD components throughout plus innovative features put the 9010/9020 LCD Control Units steps ahead of other conventional gas warning systems.

MSA's **ModCon™ 75 Controller** is a pre-programmed, self-configuring PLC controller that monitors up to 25



Ultima® X gas monitors with X3® technology (75 sensors total).

Simply make a connection and assign addresses to the X units. Logging up to 2,000 events, the

ModCon 75 Controller is suitable for all industrial, municipal, oil, gas, petrochemical, and HVAC applications.

Automatic sensor replacements stop job interruption

Need a replacement sensor module? Now you can get one quickly with MSA's new **Ultima X Series Sensor X-change™ Program**.

Sensors arrive prior to the Ultima X Gas Monitor's scheduled calibration date, enabling easy installation and minimal downtime. Simply change out the old sensor with the new, perform a gas check, and your gas detection system is operational again.

All Ultima X Smart Sensors, using catalytic bead and electrochemical technologies, are available through the Ultima X Series Sensor X-change Program.



New MSA Safety Works® products: now on retail shelves near you



For football fans

Support your favorite NFL team while getting needed eye protection with MSA's new **NFL team-logged Safety Glasses**, available in either clear or gray lenses. Choose from eight teams: the Chicago Bears, Dallas Cowboys, Green Bay Packers, Miami Dolphins, New England Patriots, New York Giants, Oakland Raiders, and Pittsburgh Steelers.



Especially for women

Safety glasses never looked like this! Check out the classy styles of MSA's new **Safe & Sophisticated™** line of safety glasses. These glamorous designs include a dazzling black frame with gem stones and gray lenses, a dazzling red frame with gem stones and mirrored lenses, a tortoiseshell frame with gray lenses, and a white frame with gray lenses.



Protect your sportsman

Sporting enthusiasts can now enjoy the same high quality protection as industrial workers with MSA Safety Works' new Sportsman Series of protective equipment.

MSA's **Sportsman Series** for the sporting enthusiast in your home means stylish eyewear, comfortable hearing protection, and high-visibility safety vests, as well as combination packages of hearing and eyewear that offer convenience and value.

The **Sportsman Adjust 1141 Shooting Safety Sunglasses** offer a unique rich mirrored finish. Anti-fog coating on the inside lens surface ensures that glasses won't fog when clear vision is needed most. Mirrored lenses feature seven layers of silicon and titanium dioxide for light blockage that looks great.

The **Marksman Sound-Amplifying/Noise Cut-Off Ear Muff** lets you hear the game, not the guns. Sophisticated electronics amplify game movement for efficient tracking. The lightweight, soft headband padding and ear cushions provide hours of safety with comfort. 🧢



New head & face protection



Canadian workers! Display your patriotism while protecting your head with one of MSA's four special **Canadian Freedom Series™ V-Gard® Helmets**. Choose from: a camouflage-designed cap with the Canadian flag on the front; a white or black cap (or hat style) with red maple leaf design; and a white cap with fleur-de-lis on front, back, and sides.

The **Defender® Plus Easy-Release Frame** provides easy-in, easy-out visor attachment while accommodating the attachment of MSA's HPE, EXC, XLS, and electronic hearing protection muffs to MSA slotted caps. This frame is not for use with stand-alone muffs. 🧢

Removable concrete anchors

MSA now offers **Removable Concrete Anchors** for temporary fall protection, and installation is easy: drill the appropriate-size hole into concrete; free the hole of debris; and insert the concrete anchor. When the job is done, remove and re-install the anchors where needed elsewhere.

These stainless steel and aluminum anchors have a weight capacity of 400 pounds and are suitable for horizontal, vertical, or overhead applications.

The 5,000-pound version is a single-person anchor point for personal fall protection, while the 10,000-pound version can be used with temporary horizontal lifeline systems for up to two workers. 🧢



Letters from

From a surgeon:

During a night combat operation, members of an assaulting force entered a small compound and gained entrance to a building via an external doorway entering onto a common hallway. All members of the assaulting element were wearing MSA Paraclete RAVs with ceramic plates. As the force entered the short hallway, turning into a doorway off the passage, an enemy combatant who had hidden in a dark recessed corner of the hallway, took the assaulting force under fire with an AK-47/AKM assault rifle (7.62 x 39mm) at close range.

Gauging from the after-action information and the wounds inflicted, the range reported as 12 feet was probably accurate. The closely grouped assault element sustained several casualties while moving forward off the hallway and into a room.

Two were hit in the lower extremities or pelvic area. Another had a bullet deflect off a secondary object and ricochet into the upper arm. The fourth member received a center-of-mass shot in his upper right chest...over the right ventricle of the heart—certainly a fatal wound had he been unprotected...

He surely took a forceful impact to the chest, but remained standing, clear-headed and capable of immediate action. The 7.62mm round was stopped cold by the RAV and plate, leaving him very much alive, with only a bruise on his chest.

From an infantry soldier:

I just wanted to let you know that I think your MSA Paraclete RAV vest saved my life last week. Up here in Mosul we got caught in an ambush. I was hit with a 7.62.x54 bullet in the very top part of my SAPI plate. The round went through my arm, through 2 full mags, and finally stopped in the final liner of my SAPI.

I believe that the design of your RAV vest saved my life because the SAPI plate does not sag and it is always in the proper place. If [another brand] vest is worn incorrectly or the Velcro is worn, the SAPI plate sags and does not cover all of the 'vitals.' Your RAV does not sag and it is impossible for it to be worn incorrectly.

I truly believe that I would've been in a lot worse shape than I am. I figure thanking you is the least I could do. Thank you again and I will never leave the wire without my RAV!

Military communication system enables effective multi-tasking

MSA's MICH™ High-Noise Communication System protects your hearing while enabling clear radio communication. Military personnel can use it as a stand-alone headset or with MSA's ACH, Millennium® CBRN Gas Mask, and protective eyewear.

This system also provides unobtrusive communication and hearing protection with an NRR of 19 for loud impulsive sounds, such as when weapons are fired.

Cup-mounted microphones enhance user-situational awareness, allowing users to hear ambient environmental sounds. This noise-canceling boom microphone-based system interfaces with various military radio transceivers and intercoms. 🛡️



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Keeping up with Fall Protection standards? Not a problem



The **TechnaCurv® Harness** sub-pelvic/leg strap area has been redesigned for improved comfort and mobility. The horizontal web loop on the TechnaCurv lanyard keeper has been replaced with a vertical break-away metal ring for ease of use, comfort, and durability. TechnaCurv Harnesses with Qwik-Fit™ buckle styles have an additional keeper at each connection point to help maintain adjustment.

MSA's **Workman™ Harness** torso web keepers have been moved to above the chest strap to better control excess webbing.

Useful information from MSA includes two bulletins:

- 2302-29 "New ANSI Z359-Compliant Products from MSA"
- 2302-26 "Update: CSA Z259.10-06 & CSA Z259.11-05 Canadian Fall Protection Equipment Standards"

You can also see Feldstein's podcasts on [MSAnet.com](https://www.msanet.com). 🛡️

Streamlined RAV-07 increases comfort, versatility

MSA Paraclete's Releasable Assault Vest RAV-07 is streamlined with enhanced usability for both military and law enforcement wearers.

The original RAV was the first ballistic vest with a patented single-point release feature for instant vest removal. While in use, these vests can be removed with the pull of a single string. They have been credited with saving numerous soldiers.

Key features on the RAV-07 include an internal adjustable cummerbund; a single-cable external adjustable release closure; a streamlined, flat-front Molle space for increased use; and fewer catch points.

The vest has a zip-on back panel for mission-specific pouch configurations, and communication and drink tube channel shoulder flaps. 🛡️



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Change service requested

Safety Products
1.800.MSA.2222

Permanent Instruments
1.800.MSA.INST

Fire Service
1.877.MSA.FIRE

Law Enforcement
1.866.MSA.1001

www.MSAnet.com

Virtual Trade Show

If you couldn't get to the FDIC Trade Show this year, you can still travel online with MSA's Virtual Trade Show FDIC 2007 at MSAFire.com.

You can navigate through the interactive floor plan and learn about MSA's new products that were introduced at the show, view photo galleries, and download bulletins and product information.

This Virtual Trade Show site has already had more than 6,500 viewers and over 450 "entry" forms completed to date. Customers are enjoying the benefits of having all the fire service products and related marketing information in one place with many unique, interactive elements.

For training or information, try MSA U online

With a click of your mouse, you can now find free, easy-to-use information and training programs on MSA University, our new online educational database. Subjects range from specific MSA products to general programs about technologies, theories, and standards that guide MSA product development.

Just look for a program type, market, or product group. Varied formats include interactive programs, podcasts, white papers, and videos.

Other great features of MSA U include individually-tracked testing with printable certificates for passing grades, secure custom accounts for group tracking by an assigned administrator, online access to group progress, and detailed custom reporting.

To register for the program, visit www.MSAnet.com, click on "North America" and then on the MSA U icon, and complete the registration form.




www.MSAnet.com

MSA Safety Works® Safety Squad is on patrol


If you see a giant hard hat coming down your street, don't worry. It's just MSA Safety Works' Safety Squad. The Safety Squad spent six weeks during the summer of 2007 touring the U.S. in the Safety Bug, a highly customized Volkswagen Beetle that looks like a huge yellow V-Gard® hard hat. They visited Detroit, Cincinnati, Memphis, New Orleans, Baton Rouge, Houston, Dallas, and San Antonio.

The specially trained duo stopped in neighborhoods and on job sites to demonstrate MSA safety products, and at retail locations, including True Value Hardware and The Home Depot stores.

For the past four summers, the Safety Squad has patrolled hundreds of neighborhoods and job sites in 20 cities searching for Do-It-Yourselfers and contractors working at risk. They share safety information and products such as safety glasses, hearing protection, and respirators, helping people understand how to work more safely and avoid injuries. 




Ontario firefighters receive MSA's Fireslayer of the Year honor

 Firefighters Andrew Brassard and Steve Ellis, from Milton, Ontario, are the first Canadians to receive MSA's Fireslayer of the Year Award, which was established in 2000 to recognize firefighters who display selfless dedication in the line of duty.

Brassard and Ellis were awarded for their heroic actions on July 27, 2006, when they responded to a structure fire that destroyed the home of Beverly and Ian Grant. The Grants were out of town, but their son Matthew, 22, was sleeping in a basement bedroom.

Equipped with an MSA Evolution 5200 Thermal Imaging Camera (TIC), Brassard and Ellis first searched the second and ground floors, despite rapidly deteriorating conditions.

With visibility in the basement near zero and Matthew still sleeping, Ellis scanned the room with the TIC. "I spotted him right away. The young man had covered himself with a blanket but his leg was sticking out. Through the camera, his leg lit up like a glow stick."

Fortunately, Matthew received treatment only for smoke inhalation and minor burns. 

Trade Show Calendar *See us at these upcoming shows!*

Jan 22-24	AHR Expo	New York
Jan 22-25	WOC (World of Concrete)	Las Vegas
Feb 2-5	SHOT Show	Las Vegas
Mar 11-15	ConExpo	Las Vegas
Apr 10-12	FDIC	Indianapolis
June 2-4	AIHce	Minneapolis
June 9-11	ASSE	Las Vegas
June 10-12	Global Petroleum Show	Calgary
Aug 14-16	FRI	Denver
Oct 6-8	AUSA	Washington
Oct 22-24	NSC	Anaheim
Nov 9-11	IACP	San Diego

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