



TEAM WENDY®
EXFIL® SAR

SEARCH & RESCUE STARTS HERE

PROTECTIVE. MODULAR. COMFORTABLE.



EXFIL® SAR TACTICAL
Shown in U.S. Coast Guard Orange



THE SEARCH FOR A SUPERIOR SAR HELMET IS OVER

When lives are in jeopardy, Search & Rescue is there. Whatever the tactical situation—lost person, structural collapse, water rescue, disaster response—SAR possesses the specialized training, tools and tactics to locate, access and safely extract victims.

Equipment plays a critical role in maintaining the safety of the team and accomplishing your mission. Team Wendy is proud to present the EXFIL® SAR, the first purpose-built Search & Rescue helmet to offer fully integrated mounting capabilities. The EXFIL® SAR also meets key industrial and mountaineering performance requirements.

The EXFIL® SAR is offered in two versions: EXFIL® SAR Tactical and EXFIL® SAR Backcountry.

THE PERFECT PLATFORM FOR TACTICAL ACCESSORIES

EASILY ATTACH THE TOOLS YOU NEED TO GET THE JOB DONE

The EXFIL® SAR helmet system is built from the ground up to be flexible and customizable to accommodate the tools you need for any mission.

EXFIL® SAR TACTICAL features an integrated Wilcox® aluminum shroud conforming to the SOCOM SPEAR Program of record, which allows for easy mounting of night vision devices, lights, cameras and other tactical accessories.

EXFIL® SAR BACKCOUNTRY includes a glass-reinforced polycarbonate shroud for mounting lighter-duty cameras and headlamps.

Both EXFIL® SAR models share the following features:

- SAR Accessory Rail system (optional on Backcountry)
- Picatinny rails
- Pass-through for securing headlamps or goggle straps
- Removable vent covers
- Compatible with the EXFIL® Peltor™ Quick Release Adapter, EXFIL® Picatinny Quick Release Adapter, SOLAS Reflective Kit, EXFIL® Counterweight Kit, EXFIL® Visor, SAR ESS® Goggle Posts



EXFIL® SAR TACTICAL
Showing NVGs mounted to the
integrated Wilcox® shroud



BUILT FOR THE TOUGHEST CONDITIONS

HIGH-STRENGTH SHELL PROVIDES SAFE, RELIABLE AND DURABLE PROTECTION

Drawing from years of experience designing protective helmet systems for military and law enforcement communities, the EXFIL® SAR has been designed for the specific needs of the Search & Rescue community.

SAR PERFORMANCE

- Meets requirements of EN12492:2012 Standard for Mountaineering Helmets
- Meets requirements of EN1385:2012 Standard for Whitewater Helmets
- Meets Advanced Combat Helmet blunt impact requirements (per AR/PD 10-02 Rev A)
- Meets additional off-crown impact requirements of EN14052:2012 European standard for high-performance industrial helmets

NOTE: EN14052 requires a low-strength chinstrap. The EXFIL® SAR is not fully certified to EN14052 in order to meet the more rigorous chinstrap requirements of EN12492.

PROTECTIVE CAPABILITIES SUMMARY

BLUNT IMPACT

Replicates scenarios such as a crash or fall when the head impacts a hard surface. An instrumented headform is dropped onto rigid anvil, resulting in rapid deceleration as the headform is brought to a stop. Headform acceleration is recorded, and must be below a set threshold (Peak G).

The use of a 150-250G threshold is recognized to target a decreased risk of concussion or mild Traumatic Brain Injury (mTBI), and to allow the wearer to maintain consciousness following impact.

- EN12492 and EN14052 are not applicable, do not include any blunt impact requirements

EXFIL® SAR MEETS:

1. Advanced Combat Helmet (blunt impact per ACH AR/PD 10-02A, Dec. 2013)
 - 3.1 m/s drop, 150G max
 - Multi-impact (two impacts at each of 7 test locations, per temperature condition)
 - Cold (14°F) to Hot (130°F)
2. EN1385:2012 - Whitewater
 - 15 J impact (2.31-2.53 m/s drop depending on headform size/mass), 250G max
 - Cold (32°F) to Hot (95°F)
 - Cold (0°F) to (Hot 120°F) + Wet
3. ANSI Z89.1-2009 Industrial
 - 3.5 m/s drop, 150G max
4. NFPA 1952 Impact Resistance (acceleration)
 - 3.5 m/s drop, 200G max
 - Ambient + Wet (no NFPA 1951 acceleration requirement)

FORCE TRANSMISSION / SHOCK ABSORPTION

Replicates impact from objects dropped from height. A guided mass is dropped onto a stationary headform, force transmitted vertically through the neck is measured. EN14052 also requires the striker deceleration to be measured. NFPA and ANSI restrict the test area to the top of the helmet (crown), EN12492 and EN14052 allow for "off-crown" impacts that extend to lower areas on the shell. Max allowable force transmitted varies by standard and impact location.

- ACH and EN1385 do not include force transmission requirements
- NFPA 1951/1952 and ANSI Z89.1 conflict with EN12492*

EXFIL® SAR MEETS:

CROWN:

1. Advanced Combat Helmet (blunt impact per ACH AR/PD 10-02A, Dec. 2013)
 - 3.1 m/s drop, 150G max
 - Multi-impact (two impacts at each of 7 test locations, per temperature condition)
 - Cold (14°F) to Hot (130°F)
2. EN1385:2012 - Whitewater
 - 15 J impact (2.31-2.53 m/s drop depending on headform size/mass), 250G max
 - Cold (32°F) to Hot (95°F)
3. ANSI Z89.1-2009 Industrial
 - 3.5 m/s drop, 150G max
 - Cold (0°F) to (Hot 120°F) + Wet
4. NFPA 1952 Impact Resistance (acceleration)
 - 3.5 m/s drop, 200G max
 - Ambient + Wet (no NFPA 1951 acceleration requirement)

RESISTANCE TO PENETRATION

Replicates falling sharp objects that may pierce shell. A sharp spike or penetrator of specified shape and mass is dropped onto the helmet and contact with the test headform is measured. Any contact between the penetrator and the headform results in a failure.

- ACH and EN1385 do not include resistance to penetration requirements

EXFIL® SAR MEETS:

APEX:

1. EN 12492:2012 Climbing/Mountaineering
 - 3 kg conical penetrator, 1m drop height (≈4.4 m/s)
 - Cold (-4°F) to Hot (95°F)
2. EN 14052:2012 High Performance Industrial
 - 1 kg flat blade striker, 2.5m drop height (≈.0 m/s)
 - Ambient to Hot (122°F)
3. ANSI Z89.1-2009 Industrial
 - 1 kg conical penetrator @ 7.0m/s
 - Cold (0°F) to (Hot 120°F) + Wet
4. NFPA 1951, 1952
 - 1 kg conical penetrator @ 7.0m/s
 - Ambient + WetF)

NFPA CONSIDERATIONS

- The large size of NFPA helmet (including extended brim and crown) limits confined space access, further exacerbated when helmet mounted accessories are used. Weight is typically over 2lbs compared to under 1.6lbs for EXFIL® SAR
- NFPA helmets traditionally have no ability to mount night/thermal vision devices
- NFPA helmets are not ventilated
- The EXFIL® SAR was designed to meet a wide variety of protection standards relevant to search and rescue operations, but since it is not intended for structural firefighting, it can provide more ventilation, a lighter weight, and other protective capabilities not covered by NFPA

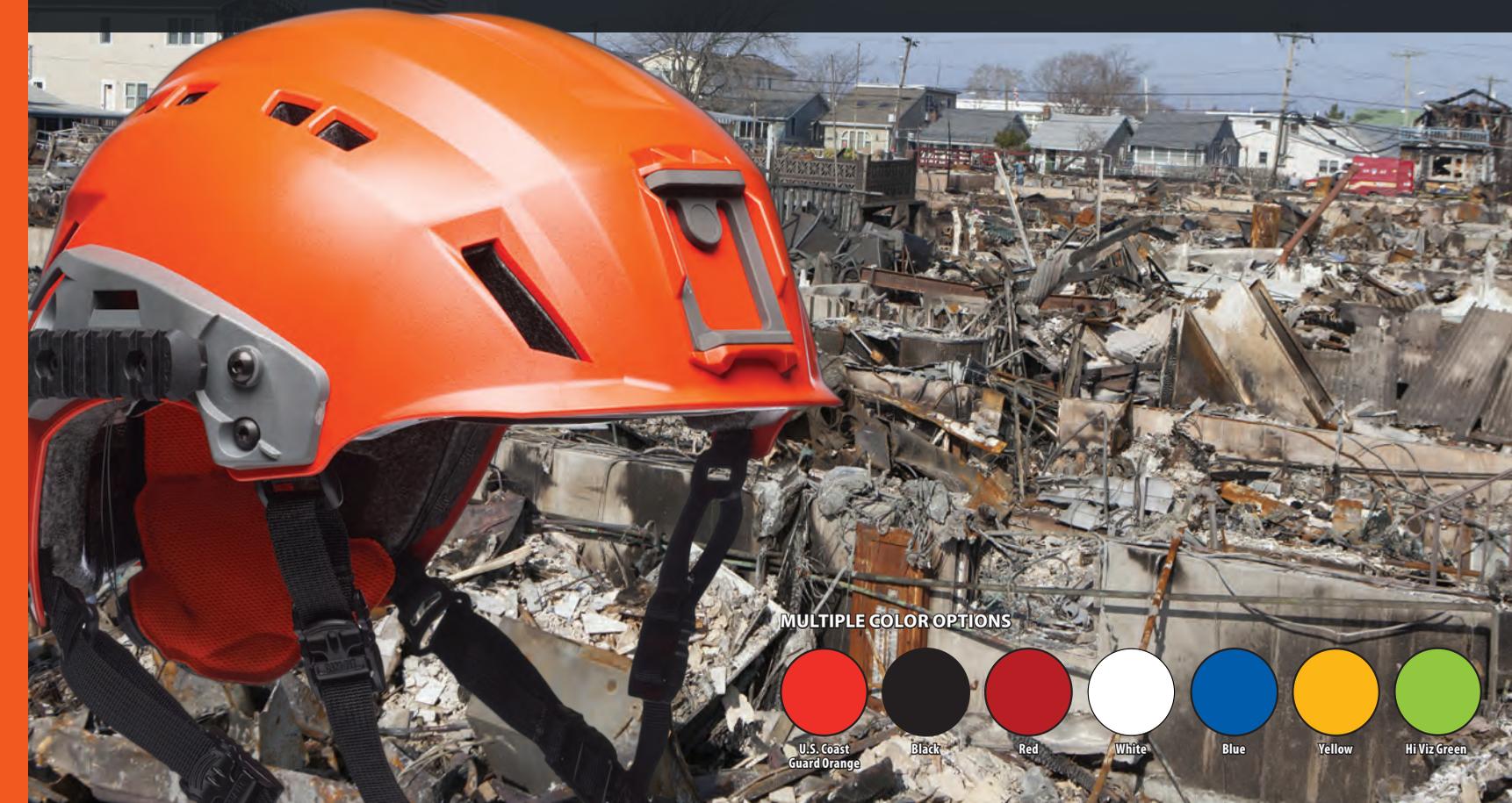
EXFIL® SAR TACTICAL

The optimal combination of comfort and secure fit for long-lasting operational use



EXFIL[®] SAR TACTICAL

BEST SUITED FOR OPERATIONS REQUIRING NIGHT VISION DEVICES, RAIL-MOUNTED LIGHTS AND OTHER ACCESSORIES



MULTIPLE COLOR OPTIONS

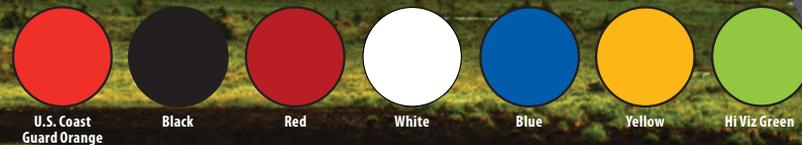


EXFIL[®] SAR BACKCOUNTRY

DESIGNED FOR OPERATIONS NOT REQUIRING NIGHT VISION DEVICES AND OPTIMIZED FOR MOUNTING CAMERAS AND HEADLAMPS



MULTIPLE COLOR OPTIONS



ABOUT US

WHO IS WENDY?

Team Wendy was founded in 1997 by Dan T. Moore as a memorial to his daughter Wendy, who passed away from a traumatic brain injury (TBI) following a snow-skiing accident.

Team Wendy's primary mission is to provide the best protection available on the market today and to research the causes and prevention of TBI. Wendy's name lives on today in the protective products and gear used by thousands worldwide, including the men and women of the United States Military.

[teamwendy.com](https://www.teamwendy.com)

