



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
**PRODUCT MANAGER SOLDIER PROTECTIVE EQUIPMENT**  
**10170 BEACH ROAD, BUILDING 328T**  
**FORT BELVOIR, VA 22060-5800**

SFAE-SDR-SPE

JAN 30 2012

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Updated Authorized Protective Eyewear List for Military Combat Eye Protection

Reference Memorandum, Project Manager Soldier Protective Equipment, Subject: 28 April 2011 Updated Authorized Protective Eyewear List (APEL) for Military Combat Eye Protection (MCEP)

This Memorandum supersedes the referenced Memorandum and all earlier versions.

1. The Program Executive Officer Soldier (PEO Soldier), Product Manager Soldier Protective Equipment (PM SPE) MCEP Program makes available to Soldiers military and commercial eyewear that provides ballistic and laser protection. PM SPE publishes the APEL to make Soldiers aware of MCEP eyewear that is authorized for use. The APEL contains only commercial eyewear products and military unique protective eyewear systems that meet MCEP performance requirements. The purpose of this memorandum is to update the APEL as approved by PM SPE. Changes from the last APEL are the addition of the new Revision Universal Prescription Lens Carrier (UPLC), the addition of the Wiley X Spear Goggle, and a summary of laser protective alternatives to Special Protective Eyewear Cylindrical System (SPECS), Ballistic Laser Protective Spectacles (BLPS) and the Sun, Wind, Dust Goggle (SWDG).
2. PM SPE is continuously evaluating commercially available eyewear for suitability of use by Soldiers. The eyewear is tested to ballistic fragmentation and optical test standards. Successful completion of these tests is required for any eyewear to be authorized for Soldier use and protection. All commercial eyewear products listed in the attached APEL meet the same stringent ballistic fragmentation protection standards required of military unique protective eyewear systems and have been widely accepted by Soldiers.
3. The Coalition casualties attributed to eye injuries have decreased from 16 % in December 2004 to under 10% through December 2007 due to the use of MCEP. In a 2009 survey of MCEP users, 33% of those who responded indicated they had a personal experience during which they felt their combat eye protection had saved their eye(s) from being injured. To mitigate and control the hazards which contribute to eye injuries, the use of eye protection, or "eye armor," must be required during field tactical operations, training, or situations where there is risk of combat. To mitigate eye injuries, use only products from the APEL.
4. Units are reminded that the commercial eyewear listed in the enclosures does not provide laser eye protection and must only be used for missions and training scenarios where laser eye protection is not required. For laser eye protection applications, the SPECS, BLPS, and SWDG will continue to be used. In addition incremental improvements have been made to add laser protection to some of the APEL commercial items. If units require ballistic fragmentation

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protective eyewear with laser protection they should contact Ms. Lynn Lewis, PM-SPE, DSN 654-2500; commercial (703) 704-2500; email: [lynn.m.lewis.civ@mail.mil](mailto:lynn.m.lewis.civ@mail.mil).

5. For Soldiers who require prescription lenses for spectacle applications, the ESS Crossbow spectacle with Prescription Lens Carrier (PLC), the Oakley SI Ballistics M Frame 2.0 spectacle with PLC, the Revision Sawfly spectacle with PLC, the Smith Optics Aegis spectacle with PLC, the UVEX Genesis spectacle with PLC, the UVEX XC spectacle with PLC, and the Wiley X Talon spectacle with PLC are authorized for use as alternatives to clear or gray lens BLPS. For Soldiers who require prescription lenses for goggle applications, the ESS Land Ops goggle may be used as an alternative to the clear or gray lens SWDG for wear over prescription eyeglasses. The ESS Profile NVG goggle, the Revision Desert Locust goggle, the Smith Optics Outside the Wire goggle, and the Wiley X Spear may be used with their designated PLCs as other alternatives. Service members who require prescription lenses may obtain the appropriate PLC for their device through their garrison optometry clinic, deployed optometry clinic or medical support section. Deployed Soldiers may also obtain replacement prescription lenses through the G-Eyes website "<https://g-eyes.amedd.army.mil/>". Use of any prescriptive lens or PLC that is not authorized for a specific APEL spectacle or goggle may result in serious injury. It is strongly recommended that Soldiers use Army optometry clinics to obtain prescription correction for the MCEP items that support a PLC. Each MCEP on the APEL and its corresponding PLC have been tested and certified as a system. Because there are five different types of PLCs, Soldiers who need a PLC should be aware of which MCEP product they wear, and understand reorders for PLCs must be for that specific MCEP product.

6. MCEP eyewear is expendable/non-recoverable property. MCEP eyewear is to be retained by Soldiers upon change of assignment and handled in accordance with AR710-2 and CTA 50-900 at termination of service. Reissue of MCEP eyewear is not approved as the risk associated with disinfection outweighs the cost of the item. Property book records will annotate the issuance of eyewear in the individual Soldier's Additional Organizational Clothing and Individual Equipment (OCIE) record contained in their supply folder maintained in the Installation Support Module-Central Issue Facility (ISM-CIF).

7. Only clear and gray/smoke sunglass lenses are authorized for the MCEP listed on the APEL. Other lens tints, including yellow, orange, rust, rose, and others known as "blue blockers," are not authorized because they adversely impact and degrade color recognition and overall mission performance. Soldiers should refrain from using non-authorized lenses and distrust manufacturers' claims alleging performance enhancements unless/until the claims can be independently verified by this office and the U.S. Army Medical Command.

8. Starting August 2011, the trademarked "APEL" Logo began to appear on each MCEP Program approved spectacle and goggle. The letters are located on the left hand side of the eyewear allowing Commanders and staff to readily see and recognize the logo when the eyewear is being worn. This will permit verification that the eyewear is approved. APEL eyewear that does not have the APEL logo is still authorized for use until all non-logo marked inventory is consumed. A follow on message will be sent to the field informing the Warfighter when only "APEL" marked eyewear is authorized for use.

9. PM SPE maintains an up-to-date listing of all authorized eyewear on the Program Executive Office Soldier website at: "<https://peosoldier.army.mil/equipment/eyewear>". This website will serve to keep the Army users informed of authorized eyewear between releases of this

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memorandum. In addition, the search function of AKO will also direct users to the most current APEL memorandum. From AKO, select Program Executive Office Soldier search option.

10. Questions concerning the APEL and the MCEP Program should be directed to PM SPE MCEP at (703) 704-1723, DSN 654-1723; questions concerning ballistic fragmentation protection standards should be direct to PM SPE Engineers David Phelps or Michelle Markey at (508) 233-5471/4145, DSN 256-5471/4145; and questions concerning National Stock Numbers and ordering eyewear should be directed to PM SPE, Myron Pross, (215) 737-2510, DSN 444-2510.

Encl



FRANK J. LOZANO  
Lieutenant Colonel, Armor

Product Manager Soldier Protective Equipment

**DISTRIBUTION:**

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INTEGRATION DIRECTORATE MANEUVER CENTER OF EXCELLENCE,

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## AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL)

1. The Military Combat Eye Protection (MCEP) Program is an umbrella Program geared toward protecting the Soldiers eyes from external threats/hazards such as ballistic fragmentation, electromagnetic radiation, sun, wind and dust during daytime and nighttime missions. The MCEP Authorized Protective Eyewear List (APEL) contains only those commercial eyewear products that meet the MCEP requirements for ballistic fragmentation, optical quality, operational testing and user acceptability. By leveraging commercially available protective eyewear, the MCEP Program allows PM SPE to offer the Soldier more choices in modern protective eyewear that meets mission needs. The MCEP Program improves Soldier acceptance and use of approved eyewear and reduces the likelihood of eye injuries.
2. **Changes from 28 April 2011 Updated Authorized Protective Eyewear List (APEL) for Military Combat Eye Protection (MCEP):** Changes from the last APEL are the addition of the new Revision Universal Prescription Lens Carrier (UPLC), NSNs for quick-release replacement straps for the Revision Desert Locust Goggle, the addition of the Wiley X Spear Goggle, and a summary of laser protective alternatives to SPECS, BLPS and SWDG. Units are encouraged to replace components of eyewear that become damaged instead of the entire system.
3. **Commercial Eyewear Alternative Removed from the APEL:** The 14 May 2010 APEL memorandum removed the ESS ICE spectacle, the ESS ICE NARO spectacle and the ESS Vehicle Ops goggle from the APEL. Units who have these items are still authorized to use those items if they are date stamped 07-2010 or earlier and until they are no longer serviceable. Users should replace unserviceable items with a spectacle or goggle from the updated list of protective eyewear referenced in this document. Products in Army and Air Force Exchange Service stores with the APEL green sticker will be dated July 2010 or earlier and are still valid APEL items and may be used for ballistics fragmentation protection. The date stamp can be found beneath the frame either on the left side or right side of the lens. Items without a date stamp or dated after July 2010 shall not be used.
4. **APEL Logo:** Starting August 2011, the letters "APEL" began to appear on all APEL spectacles and goggles. The letters are located on the left hand side of the frame, allowing Commanders to readily determine if Soldiers are wearing authorized protective eyewear. APEL eyewear that does not have the APEL logo is still authorized for use until all non-logo marked inventory is consumed. A follow on message will be sent to the field informing the Warfighter when only "APEL" marked eyewear is authorized for use.
5. **Standard Type (Military) Classified Eyewear:** The eyewear listed below (pages 2-6) provides ballistic, ultraviolet (UV) and laser eye protection. However, **this eyewear is not approved for flight operations.** Replacement eyewear may be obtained by submitting funded requisition through normal supply channels. Refer to FEDLOG for pricing information. The Army is currently in the process of phasing out the Ballistic Laser Protective Spectacles (BLPS), Special Protective Eyewear Cylindrical System (SPECS) and Sun, wind and Dust Goggles (SWDG). Commercial replacement items are available and can be found in section 6 of this document, Authorized Commercial Eyewear Alternatives.

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

## MILITARY OPTIONS

## Military Spectacle System with Prescription Lens Carrier Capability

| Authorized <b>SPECTACLES</b>                        | NSN              |
|---|------------------|
| <b>Ballistic Laser Protective Spectacles (BLPS)</b> |                  |
| BLPS, Clear   | 8465-01-416-4636 |
| BLPS, Gray (Sunglass)                               | 8465-01-417-4004 |
| BLPS, 2WL Laser Protective                          | 8465-01-416-3207 |
| BLPS, 3WL Laser Protective                          | 8465-01-416-3210 |
| Carrying Case                                       | 8465-01-417-9963 |
| Retainer Strap                                      | 8465-01-416-4637 |
| Prescription Lens Carrier (M-40 Insert)             | 6540-01-264-1348 |



BLPS can be worn by all Soldiers for field tactical operations, training or situations where there is a risk of ballistic or laser eye injuries. The prescription lens carrier (PLC) for this system is the M-40 protective mask insert (obtained at the Soldier's local Optometry Clinic). Soldiers should maintain a separate insert for their protective mask and BLPS system. It is imperative that Soldiers confirm a proper fit of their BLPS with the PLC in place before use and utilize the proper laser shield for their environment. Each pair will have its own retainer strap and hardened plastic case. BLPS are available in one size only and provide laser protection as well as ballistic and UV protection. Laser lenses must be requisitioned separately. No new contracts will be awarded for this product; DSCP has limited supply of this product. The intent is to draw-down and discontinue use of this product.

(For more products, see next page)

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

### Military Spectacle System Without Prescription Lens Carrier Capability

| Authorized <b>SPECTACLES</b>                                 | NSN              |
|--|------------------|
| <b>Special Protective Eyewear Cylindrical System (SPECS)</b> |                  |
| SPECS Kit Regular  | 8465-01-416-4626 |
| SPECS Kit Large  | 8465-01-416-4629 |
| SPECS, 2WL Laser Protective, Regular                         | 8465-01-416-4634 |
| SPECS, 2 WL Laser Protective, Large                          | 8465-01-416-4632 |
| SPECS, 3 WL Laser Protective, Regular                        | 8465-01-416-4635 |
| SPECS, 3 WL Laser Protective, Large                          | 8465-01-416-8516 |
| SPECS, Clear – Ballistic Lens, Regular                       | 8465-01-416-4628 |
| SPECS, Clear – Ballistic Lens, Large                         | 8465-01-416-4631 |
| SPECS, Gray – Ballistic Lens, Regular                        | 8465-01-416-4630 |
| SPECS, Gray – Ballistic Lens, Large                          | 8465-01-416-4633 |
| Carrying Case  | 8465-01-416-4627 |
| Retainer Strap   | 8465-01-416-4637 |



SPECS are only for Soldiers who do not require optical correction for duty. The SPECS Kit is a sized item, available in sizes regular and large. It is estimated that 70% of the users of the SPECS system will require regular and 30% will require large. The SPECS Kit is configured with lenses that provide ballistic protection, UV and laser protection lenses. Laser lenses must be requisitioned separately. The SPECS Kit contains one clear lens, one pop-in gray (sunglass) lens, a retaining strap and a hardened case. No new contracts will be awarded for this product; DSCP has limited supply of this product. The intent is to draw-down and discontinue use of this product.

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

### Military Goggle System That May Be Worn Over Prescription Spectacles

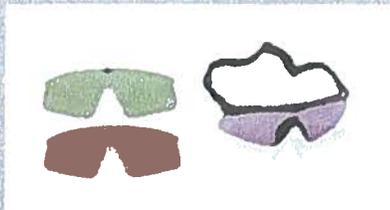
| Authorized Goggles                       | NSN              |
|--|------------------|
| <b>Sun, Wind, and Dust Goggle (SWDG)</b> |                  |
| SWDG Kit (Clear and Gray Lenses)         | 8465-01-328-8268 |
| Clear Replacement Lens, SWDG Type 3      | 8465-01-109-3997 |
| Gray Replacement Lens, SWDG Type 4       | 8465-01-109-3996 |
| SWDG Type 5 Lens, Laser Goggle 2 WL      | 8465-01-439-3506 |
| SWDG Type 6 Lens, Laser Goggle, 3 WL     | 8465-01-439-3511 |



The SWDG is for Soldiers who have duty in sandy, windy, or dusty environments. Soldiers who require optical correction must wear the SWDG over their eyeglasses. The SWDG comes in a kit, which includes one Type 3 clear – ballistic lens (installed in goggle frame), one Type 4 gray – ballistic lens (sunglass), and one carrying case. The Type 5, 2 wavelength laser – ballistic lens (green in color) and Type 6, 3 wavelength laser – ballistic lens (brown in color) must be requisitioned separately. The SWDG is designated as a one size fits all. All lenses provide UV protection. No new contracts will be awarded for this product; DSCP has limited supply of this product. The intent is to draw-down and discontinue use of this product.

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

**Laser Protective Spectacles with Prescription Lens Carrier Capability -  
Alternatives to: Ballistic Laser Protective Spectacles (BLPS)  
Special Protective Eyewear Cylindrical System (SPECS)**

| <b>Authorized SPECTACLES</b>   | <b>Unit of Issue</b> | <b>Manufacturer's Part Number</b> | <b>MCN</b>       |
|--|----------------------|-----------------------------------|------------------|
| Revision Sawfly 2-line and 3-line Laser Protective Spectacle Kit,<br>Size: <i>Regular</i>  | 1 each               | 4-0076-9818                       | 4240-01-C12-6545 |
| Revision Sawfly 2-line and 3-line Laser Protective Spectacle Kit,<br>Size: <i>Large</i>  | 1 each               | 4-0076-9718                       | 4240-01-C12-6546 |
| <b>Replacement parts, <i>Size Regular:</i></b>   |                      |                                   |                  |
| Clear (non-laser) and Gray (non-laser) lenses, replacement frames, and all other replacement parts for the standard Revision Sawfly size regular kit will fit the size regular Revision Sawfly Laser Protective Spectacle Kit (see page 8 for details)   |                      |                                   |                  |
| <b>Replacement parts, <i>Size Large:</i></b>   |                      |                                   |                  |
| Clear (non-laser) and Gray (non-laser) lenses, as replacement frames, and all other replacement parts for the standard Revision Sawfly size large kit will fit the size large Revision Sawfly Laser Protective Spectacle Kit (see page 9 for details)  |                      |                                   |                  |
| <b>Additional Components, <i>all Sizes:</i></b>  |                      |                                   |                  |
| Revision Prescription (Rx) Carrier System - Single Pack<br>(Universal Prescription Lens Carrier)   | 1 each               | 4-0436-9102                       | 6540-01-600-6532 |
| Revision Prescription (Rx) Carrier System - 10 Pack<br>(Universal Prescription Lens Carrier)   | Package of 10        | 4-0436-9104                       | 6540-01-600-6536 |
| Revision Prescription (Rx) Carrier System - 30 Pack<br>(Universal Prescription Lens Carrier)   | Package of 30        | 4-0436-9110                       | 6540-01-600-6541 |
|  <p>The Revision Sawfly Laser Protective Spectacle kit includes two durable plastic frames with interchangeable polycarbonate lenses. Four types of lenses are provided: clear (non-laser), sunglass (neutral gray, non-laser), 2-wavelength laser protection (green), and 3-wavelength laser protection (brown). The kit is available in <b>two sizes</b> (<i>Regular and Large</i>) to achieve best fit across the User population, and features telescoping temple arms for additional fit/comfort. Approximately 85% of the population fits in the size regular, with the remaining 15% fitting into a size large. All lenses meet military ballistic fragmentation requirements, provide protection from UV radiation, and meet ANSI Z87.1 optical and safety requirements. Lenses are treated with a hard coat to minimize scratching and maximize resistance to chemicals, such as DEET. The optional Universal Prescription Lens Carrier snaps directly onto the standard nosepiece to accommodate those who require corrective lenses.</p> |                      |                                   |                  |

**\*\*If units require this product with laser protection, they should contact Ms. Lynn Lewis, PM-SPE, DSN 654-2500; commercial (703) 704-2500; email: [lynn.m.lewis.civ@mail.mil](mailto:lynn.m.lewis.civ@mail.mil).**

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

**Laser Protective Goggle with Prescription Lens Carrier Capability -  
Alternative to Sun, Wind and Dust Goggle (SWDG)**

| <b>Authorized GOGGLES</b>  | <b>Unit of issue</b> | <b>Manufacturer's Part Number</b> | <b>MCN</b>              |
|--|----------------------|-----------------------------------|-------------------------|
| <b>Revision Desert Locust 2-line and 3-line Laser Protective Goggle Kit, Foliage Green with ACU case</b>   | <b>1 each</b>        | <b>4-0309-9516</b>                | <b>4240-01-F00-8556</b> |
| <b>Replacement parts:</b>  |                      |                                   |                         |
| Clear (non-laser) and Gray (non-laser) lenses, as well as replacement frames and strap components (in Foliage Green, Tan 499, and Black) for the standard Revision Desert Locust Goggle will fit the Revision Desert Locust Laser Protective Goggle Kit (see page 18 for details)  |                      |                                   |                         |
| <b>Additional Components:</b>  |                      |                                   |                         |
| Revision Prescription (Rx) Carrier System - Single Pack (Universal Prescription Lens Carrier)  | 1 each               | 4-0436-9102                       | 6540-01-600-6532        |
| Revision Prescription (Rx) Carrier System - 10 Pack (Universal Prescription Lens Carrier)  | Package of 10        | 4-0436-9104                       | 6540-01-600-6536        |
| Revision Prescription (Rx) Carrier System - 30 Pack (Universal Prescription Lens Carrier)  | Package of 30        | 4-0436-9110                       | 6540-01-600-6541        |
|  <p>The Revision Desert Locust Laser Protective Goggle kit includes two injection molded rubber frame (one size fits all) with adjustable flame resistant goggle strap and interchangeable polycarbonate lenses. Four types of lenses are available: clear (non-laser), sunglass (neutral gray, non-laser), 2-wavelength laser protection (green), and 3-wavelength laser protection (brown). The injection molded rubber face seal provides for a low profile fit, wide field of view, and an easy to clean surface for sanitation. Foam covered venting around the periphery provides ventilation while keeping sand/dust out. All lenses meet military ballistic fragmentation requirements, provide protection from UV radiation, and meet ANSI Z87.1 optical and safety requirements. Lenses have been treated with a combination anti-scratch/ anti-fog coating to minimize scratching and fogging. An anti-reflective sleeve reduces glint when the goggle is not in use. The optional Universal Prescription Lens Carrier attaches by means of a goggle adaptor for those who require corrective lenses.</p> |                      |                                   |                         |

\*\*If units require this product with laser protection, they should **contact** Ms. Lynn Lewis, PM-SPE, DSN 654-2500; commercial (703) 704-2500; email: [lynn.m.lewis.civ@mail.mil](mailto:lynn.m.lewis.civ@mail.mil).

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

**\*\* For laser eye protection applications**, the SPECS, SWDG, and BLPS may continue to be used, if available (see pages 2-3). Additionally, the Government has a quantity of APEL spectacle and goggle kits, to which laser protective lenses have been added, in stock (see pages 5 and 6). These may be used in lieu of SPECS, SWDG, and BLPS and can be obtained by **contacting** Ms. Lynn Lewis, PM-SPE, DSN 654-2500; commercial (703) 704-2500; email: [lynn.m.lewis.civ@mail.mil](mailto:lynn.m.lewis.civ@mail.mil).

**Authorized Commercial Eyewear Alternatives:** To meet the needs of units with diverse mission requirements, Army units are authorized to requisition and use the commercial eyewear listed below as alternatives to the standard type classified eyewear. **This eyewear will provide ballistic fragmentation and UV protection, but does not provide laser protection and is not authorized for Army missions and training scenarios that require laser eye protection\***. Additionally, **this eyewear is not approved for flight operations**. This eyewear may be obtained by submitting funded requisitions through the normal supply channels. Refer to FEDLOG for pricing information.

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## COTS Spectacle Systems with Prescription Lens Carrier Capability

| Authorized <b>SPECTACLES</b>  | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| Revision Sawfly USA Military Kit, Size Regular Kit  | 1 each        | 4-0076-9800                | 4240-01-527-4051 |
| <b>Replacement parts, Size Regular:</b>   |               |                            |                  |
| Replacement Frame, Revision Sawfly, Size Regular  | 1 each        | 4-0680-9001                | 4240-01-587-8424 |
| Replacement Lens, Clear, Revision Sawfly Size Regular   | 1 each        | 4-0557-9100                | 4240-01-587-8434 |
| Replacement Lens, Gray, Revision Sawfly Size Regular  | 1 each        | 4-0557-9200                | 4240-01-587-8464 |
| Replacement Lenses, Clear, Revision Sawfly Size Regular   | Package of 10 | 4-0130-9100                | 4240-01-527-4052 |
| Replacement Lenses, Gray, Revision Sawfly Size Regular  | Package of 10 | 4-0130-9200                | 4240-01-527-4053 |
| <b>Replacement parts &amp; Additional Components, all Sizes:</b>  |               |                            |                  |
| Retention Straps, Revision Sawfly   | Package of 10 | 4-0132-9100                | 4240-01-527-4067 |
| Anti-Fog Cloths, Revision Sawfly  | Package of 10 | 4-0330-9001                | 4240-01-571-3625 |
| Anti-fog, Anti-static Spray – 1 fluid Ounce Bottle, Revision Sawfly   | Package of 10 | 4-0134-0100                | 4240-01-527-4068 |
| Revision Prescription (Rx) Carrier System - Single Pack (Universal Prescription Lens Carrier)   | 1 each        | 4-0436-9102                | 6540-01-600-6532 |
| Revision Prescription (Rx) Carrier System - 10 Pack (Universal Prescription Lens Carrier)   | Package of 10 | 4-0436-9104                | 6540-01-600-6536 |
| Revision Prescription (Rx) Carrier System - 30 Pack (Universal Prescription Lens Carrier)   | Package of 30 | 4-0436-9110                | 6540-01-600-6541 |
|  <p>The Revision Sawfly protective spectacle consists of a plastic frame (two sizes, Regular &amp; Large) with interchangeable polycarbonate lenses. The frame features adjustable telescoping arms for improved fit/comfort, the most recent design of which has been tailored to be longer and thinner in nature to enhance compatibility with hearing protection and communications equipment. The frame and lens assembly weighs 1.2 ounces. All lenses have been treated with a hard coat to minimize scratching and maximize resistance to chemicals, such as DEET, on both inner and outer surfaces of the lens. The Revision Sawfly provides ballistic-fragmentation protection, and meets all ANSI Z87.1 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. The Universal Prescription Lens Carrier (UPLC) is available for those who require corrective lenses.</p> |               |                            |                  |

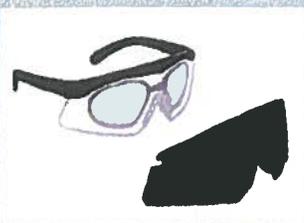
(For more products, see next page)

See next page for Size Large Revision Sawfly

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

## COTS Spectacle Systems with Prescription Lens Carrier Capability (continued)

| Authorized <u>SPECTACLES</u>  | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| Revision Sawfly USA Military Kit, Size Large Kit  | 1 each        | 4-0076-9700                | 4240-01-527-4018 |
| <b>Replacement parts, <u>Size Large</u></b>   |               |                            |                  |
| Replacement Frame, Revision Sawfly, Size Large  | 1 each        | 4-0681-9001                | 4240-01-587-8460 |
| Replacement Lens, Clear, Revision Sawfly Size Large   | 1 each        | 4-0556-9100                | 4240-01-587-8467 |
| Replacement Lens, Gray, Revision Sawfly Size Large  | 1 each        | 4-0556-9200                | 4240-01-587-8470 |
| Replacement Lenses, Clear, Revision Sawfly Size Large   | Package of 10 | 4-0131-9100                | 4240-01-527-4061 |
| Replacement Lenses, Gray, Revision Sawfly Size Large  | Package of 10 | 4-0080-9200                | 4240-01-527-4063 |
| <b>Replacement parts &amp; Additional Components, <u>all Sizes:</u></b>                       |               |                            |                  |
| Retention Straps, Revision Sawfly   | Package of 10 | 4-0132-9100                | 4240-01-527-4067 |
| Anti-Fog Cloths, Revision Sawfly  | Package of 10 | 4-0330-9001                | 4240-01-571-3625 |
| Anti-fog, Anti-static Spray – 1 fluid Ounce Bottle, Revision Sawfly                           | Package of 10 | 4-0134-0100                | 4240-01-527-4068 |
| Revision Prescription (Rx) Carrier System - Single Pack (Universal Prescription Lens Carrier) | 1 each        | 4-0436-9102                | 6540-01-600-6532 |
| Revision Prescription (Rx) Carrier System - 10 Pack (Universal Prescription Lens Carrier)     | Package of 10 | 4-0436-9104                | 6540-01-600-6536 |
| Revision Prescription (Rx) Carrier System - 30 Pack (Universal Prescription Lens Carrier)     | Package of 30 | 4-0436-9110                | 6540-01-600-6541 |



The Revision Sawfly protective spectacle consists of a plastic frame (two sizes, Regular & Large) with interchangeable polycarbonate lenses. The frame features adjustable telescoping arms for improved fit/comfort, the most recent design of which has been tailored to be longer and thinner in nature to enhance compatibility with hearing protection and communications equipment. The frame and lens assembly weighs 1.2 ounces. All lenses have been treated with a hard coat to minimize scratching and maximize resistance to chemicals, such as DEET, on both inner and outer surfaces of the lens. The Revision Sawfly provides ballistic- fragmentation protection, and meets all ANSI Z87.1 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. The Universal Prescription Lens Carrier (UPLC) is available for those who require corrective lenses.

(For more products, see next page)

See previous page for Size Regular Revision Sawfly

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## COTS Spectacle Systems with Prescription Lens Carrier Capability (continued)

| Authorized <u>SPECTACLES</u>  | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| ESS Crossbow Spectacle Kit  | 1 each        | 740-0384                   | 4240-01-583-5742 |
| <b>Replacement parts:</b>   |               |                            |                  |
| Replacement Frame, ESS Crossbow   | 1 each        | 740-0446                   | 4240-01-583-5973 |
| Replacement Lens, Clear, ESS Crossbow   | 1 each        | 740-0425                   | 4240-01-587-7512 |
| Replacement Lens, Gray, ESS Crossbow  | 1 each        | 740-0424                   | 4270-01-587-7516 |
| Replacement Lenses, Clear, ESS Crossbow   | Package of 10 | 740-0421                   | 4240-01-583-5748 |
| Replacement Lenses, Gray, ESS Crossbow  | Package of 10 | 740-0420                   | 4240-01-583-5786 |
| Replacement Case, ESS Crossbow  | 1 each        | 740-0445                   | 4240-01-583-5969 |
| Retention Strap, ESS Crossbow   | Package of 25 | 740-0254                   | 4240-01-525-4777 |
| Anti-Fog Cloth, ESS Crossbow  | Package of 25 | 740-0209                   | 4240-01-525-5107 |
| <b>Additional Components:</b>   |               |                            |                  |
| U-Rx Prescription Lens Carrier, Compatible with ESS NVG Profile Goggle, ESS Crossbow Spectacle and Oakley SI Ballistics M Frame 2.0 Spectacle | 1 each        | 740-0411                   | 6540-01-584-0170 |
| U-Rx Prescription Lens Carrier, Compatible with ESS NVG Profile Goggle, ESS Crossbow Spectacle and Oakley SI Ballistics M Frame 2.0 Spectacle | Package of 25 | 740-0444                   | 6540-01-584-0176 |



The ESS Crossbow protective spectacle consists of a plastic frame (one size) with interchangeable polycarbonate lenses. The frame and lens assembly weighs 1.2 ounces. All lenses have been treated with a hard-coat on the exterior surface to reduce scratching and an anti-fog coating on the interior surface to reduce fogging. The ESS Crossbow provides ballistic-fragmentation protection, and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. An optional prescription lens carrier is available for those who require corrective lenses.

(For more products, see next page)

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## COTS Spectacle Systems with Prescription Lens Carrier Capability (continued)

| Authorized <b>SPECTACLES</b>  | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| Oakley SI Ballistic M Frame 2.0 Kit   | 1 each        | 11-138                     | 4240-01-525-3095 |
| <b>Replacement parts:</b>   |               |                            |                  |
| Replacement Lens, Clear, Oakley Ballistic M Frame 2.0   | 1 each        | 11-112                     | 4240-01-525-7555 |
| Replacement Lens, Gray, Oakley Ballistic M Frame 2.0  | 1 each        | 11-113                     | 4240-01-525-7554 |
| Replacement Case, Oakley Ballistic M Frame 2.0  | 1 each        | 11-114                     | 4240-01-525-7561 |
| Micro Bags, Oakley Ballistic M Frame 2.0  | Package of 5  | 11-115                     | 4240-01-525-3109 |
| <b>Additional Components:</b>   |               |                            |                  |
| U-Rx Prescription Lens Carrier, Compatible with ESS NVG Profile Goggle, ESS Crossbow Spectacle and Oakley SI Ballistics M Frame 2.0 Spectacle   | 1 each        | 740-0411                   | 6540-01-584-0170 |
| U-Rx Prescription Lens Carrier, Compatible with ESS NVG Profile Goggle, ESS Crossbow Spectacle and Oakley SI Ballistics M Frame 2.0 Spectacle   | Package of 25 | 740-0444                   | 6540-01-584-0176 |
|  <p>The Oakley SI Ballistics M Frame 2.0 protective spectacle consists of a plastic frame (one size) with interchangeable polycarbonate lenses. The frame and lens assembly weighs just over one ounce. All lenses have been treated with a hard-coat on the exterior surface to reduce scratching and an anti-fog coating on the interior surface to reduce fogging. The Oakley SI Ballistic M-Frame provides ballistic-fragmentation protection, and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. An optional prescription lens carrier is available for those who require corrective lenses.</p> |               |                            |                  |

(For more products, see next page)

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## COTS Spectacle Systems with Prescription Lens Carrier Capability (continued)

| Authorized SPECTACLES  | Unit of Issue | Manufacturer's Part Number | NSN              |
|--|---------------|----------------------------|------------------|
| Smith Optics Aegis Spectacle Kit   | 1 each        | AEG01BK-2B                 | 4240-01-583-5206 |
| <b>Replacement parts:</b>  |               |                            |                  |
| Replacement Frame, Smith Optics Aegis  | 1 each        | AEGFRM-BK                  | 4240-01-587-8702 |
| Replacement Lens, Clear, Smith Optics Aegis  | 1 each        | AEGLNSCL                   | 4240-01-583-5230 |
| Replacement Lens, Gray, Smith Optics Aegis   | 1 each        | AEGLNSGY                   | 4240-01-583-5236 |
| Replacement Lenses, Clear, Smith Optics Aegis  | Package of 50 | AEGLNSCL-50                | 4240-01-583-5232 |
| Replacement Lenses, Gray, Smith Optics Aegis   | Package of 50 | AEGLNSGY-50                | 4240-01-583-5240 |
| Replacement Case, Smith Optics Aegis   | 1 each        | AEGCSBK                    | 4240-01-583-5242 |
| Retention Straps, Smith Optics Aegis   | Package of 25 | AEGLSH25                   | 4240-01-583-5277 |
| Anti- Fog Cloths, Smith Optics Aegis   | Package of 20 | FOG98                      | 4240-01-583-5248 |
| Cleaning Cloths, Smith Optics Aegis  | Package of 36 | SMBST36PK-EL               | 4240-01-583-5267 |
| <b>Additional Components:</b>  |               |                            |                  |
| Prescription Lens Carrier, Compatible with Smith Optics Aegis spectacle and Outside the Wire Goggle  | 1 each        | ELRXKIT                    | 6540-01-584-3885 |
| Prescription Lens Carrier, Compatible with Smith Optics Aegis spectacle and Outside the Wire Goggle  | Package of 25 | ELRXKIT-25                 | 6540-01-584-3916 |
|  <p>The Smith Optics Aegis is a plastic frame (one size) with interchangeable polycarbonate lenses. The frame and lens assembly weighs 1.5 ounces. All lenses have been treated with a scratch-resistant anti-fog coating on the interior surface to reduce fogging. The Smith Aegis provides ballistic-fragmentation protection and meets ANSI Z87.1-2 optical and safety requirements. The lens material blocks 99% of all UVA and UVB. An optional prescription lens carrier is available for those who require corrective lenses.</p> |               |                            |                  |

(For more products, see next page)

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## COTS Spectacle Systems with Prescription Lens Carrier Capability (continued)

| Authorized <b>SPECTACLES</b>   | Unit of Issue | Manufacturer's Part Number | NSN              |
|--|---------------|----------------------------|------------------|
| UVEX Genesis Spectacle Kit   | 1 each        | S99-S3291-MIL5A            | 4240-01-552-4131 |
| <b>Replacement parts:</b>  |               |                            |                  |
| Spectacle Assembly (frame and lens), Clear, UVEX Genesis   | 1 each        | S99-S3200D-MIL             | 4240-01-552-4142 |
| Spectacle Assembly (frame and lens), Gray, UVEX Genesis  | 1 each        | S99-S3212D-MIL             | 4240-01-552-4148 |
| Replacement Lenses, Clear, UVEX Genesis  | Package of 10 | S99-S6900D-MIL             | 4240-01-552-4178 |
| Replacement Lenses, Gray, UVEX Genesis   | Package of 10 | S99-S6912D-MIL             | 4240-01-552-4181 |
| Replacement Case, UVEX Genesis   | 1 each        | S99-S520-MIL               | 4240-01-516-3444 |
| <b>Additional Components:</b>  |               |                            |                  |
| Prescription Lens Carrier, UVEX Genesis  | 1 each        | S99-S3350-MIL              | 6540-01-516-5342 |
|  <p>The UVEX Genesis protective spectacle consists of a plastic frame (one size) with interchangeable polycarbonate lenses. The frame features a ratcheting adjustment and telescoping arms for improved fit and comfort. Additionally, a small ventilation space has been engineered between the frame and the lens that vents the eye socket area to help reduce moisture. The frame is identical to that used in the UVEX XC. The frame and lens assembly weighs 1.3 ounces. All lenses have been treated with a hard-coat on the exterior surface to reduce scratching and an anti-fog coating on the interior surface to reduce fogging. The UVEX Genesis provides ballistic-fragmentation protection, and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. An optional prescription lens carrier is available for those who require corrective lenses.</p> |               |                            |                  |

(For more products, see next page)

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

## COTS Spectacle Systems with Prescription Lens Carrier Capability (continued)

| Authorized <u>SPECTACLES</u>  | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| UVEX XC Spectacle Kit   | 1 each        | S99-S3399-MIL3A            | 4240-01-516-5361 |
| <b>Replacement parts:</b>   |               |                            |                  |
| Spectacle Assembly (frame and lens), Clear, UVEX XC   | 1 each        | S99-S3300D-MIL             | 4240-01-516-3460 |
| Spectacle Assembly (frame and lens), Gray, UVEX XC  | 1 each        | S99-SS3301D-MIL            | 4240-01-516-3452 |
| Replacement Lenses, Clear, UVEX XC  | Package of 10 | S99-S6950D-MIL             | 4240-01-516-3469 |
| Replacement Lenses, Gray, UVEX XC   | Package of 10 | S99-S6951D-MIL             | 4240-01-516-3473 |
| Replacement Case, UVEX XC   | 1 each        | S99-S520-MIL               | 4240-01-516-3444 |
| <b>Additional Components:</b>   |               |                            |                  |
| Prescription Lens Carrier, UVEX XC  | 1 each        | S99-S3350-MIL              | 6540-01-516-5342 |
|  <p>The UVEX XC protective spectacle consists of a plastic frame (one size) with interchangeable polycarbonate lenses. The frame features ratcheting adjustment and telescoping arms for improved fit and comfort. The lens provides extended coverage over the eye socket area. Additionally, a small ventilation space has been engineered between the frame and the lens that vents the eye socket area to help reduce moisture. The frame is identical to that used in the UVEX Genesis. The frame and lens assembly weighs 1.3 ounces. All lenses have been treated with a hard-coat on the exterior surface to reduce scratching and an anti-fog coating on the interior surface to reduce fogging. The UVEX XC provides ballistic-fragmentation protection, and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. An optional prescription lens carrier is available for those who require corrective lenses.</p> |               |                            |                  |

(For more products, see next page)

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

## COTS Spectacle Systems with Prescription Lens Carrier Capability (continued)

| Authorized <b>SPECTACLES</b>   | Unit of Issue | Manufacturer's Part Number | NSN              |
|--|---------------|----------------------------|------------------|
| Wiley X Talon Spectacles Kit   | 1 each        | CHTAL1                     | 4240-01-583-5158 |
| <b>Replacement parts:</b>  |               |                            |                  |
| Replacement Frame, Wiley X Talon   | 1 each        | CHTALF                     | 4240-01-583-5288 |
| Replacement Lens, Clear, Wiley X Talon   | 1 each        | CHTALC                     | 4240-01-583-5295 |
| Replacement Lens, Gray, Wiley X Talon  | 1 each        | CHTALS                     | 4240-01-583-5311 |
| Replacement Lenses, Clear, Wiley X Talon   | Package of 10 | CHTAL10C                   | 4240-01-583-5319 |
| Replacement Lenses, Gray, Wiley X Talon  | Package of 10 | CHTAL10S                   | 4240-01-583-5328 |
| Replacement Case, Wiley X Talon  | 1 each        | TS-235                     | 4240-01-504-5797 |
| Retention Strap, Wiley X Talon   | 1 each        | XLE                        | 4240-01-504-5770 |
| <b>Additional Components:</b>  |               |                            |                  |
| Prescription Lens Carrier, compatible with Wiley X Talon spectacle and Spear Goggle  | 1 each        | CHX                        | 6540-01-584-0073 |
| Prescription Lens Carrier, compatible with Wiley X Talon spectacle and Spear Goggle  | Package of 25 | CHX25                      | 6540-01-585-7160 |
|  <p>The Wiley X Talon protective spectacle consists of a plastic frame (one size) with interchangeable polycarbonate lenses. The lens provides extended coverage over the eye socket area. The frame and lens assembly weighs 1.2 ounces. All lenses have been treated with a hard coat to reduce scratching and maximize resistance to chemicals, such as DEET, on both inner and outer surfaces of the lens. The Wiley X Talon provides ballistic-fragmentation protection, and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. An optional prescription lens carrier is available for those who require corrective lenses.</p> |               |                            |                  |

(For more products, see next page)

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

## COTS Spectacle Systems For Non-Prescription Wearers Only

| Authorized SPECTACLES   | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| Wiley X PT-1 Spectacles Kit   | 1 each        | PT-1SC                     | 4240-01-510-7853 |
| <b>Replacement parts:</b>   |               |                            |                  |
| Replacement Lens, Clear, Wiley X PT-1   | 1 each        | PT-1C                      | 4240-01-510-7848 |
| Replacement Lens, Gray, Wiley X PT-1  | 1 each        | PT-1S                      | 4240-01-510-7847 |
| Replacement Lenses, Clear, Wiley X PT-1   | Package of 50 | PT-1CD                     | 4240-01-528-5900 |
| Replacement Lenses, Gray, Wiley X PT-1  | Package of 50 | PT-1SD                     | 4240-01-528-5901 |
| Replacement Case, Wiley X PT-1  | 1 each        | PT-1BA-963L                | 4240-01-528-5902 |
|  <p>The Wiley X PT-1 protective spectacle consists of a plastic frame (one size) with interchangeable polycarbonate lenses. The frame and lens assembly weighs 1.3 ounces. All lenses have been treated with a hard coat to reduce scratching and maximize resistance to chemicals, such as DEET, on both inner and outer surfaces of the lens. The Wiley X PT-1 provides ballistic-fragmentation protection and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. This eyewear is for Soldiers who do not require prescription lenses.</p> |               |                            |                  |

(For more products, see next page)

**WARNING:** Use of prescription lens configurations not listed on the Authorized Protective Eyewear List (APEL) for a specific APEL spectacle or goggle may result in serious injury. We strongly recommend that Soldiers use Army optometry clinics to obtain prescription (Rx) correction for APEL products approved for this purpose. Rx correction is available through garrison and deployed optometry clinics at no cost to the Soldier. All APEL approved Rx configurations have been subjected to ballistic fragmentation testing for safety. Offers by vendors for unapproved Rx products via vendor website and/or through conferences should be avoided, as these items may not be safe or operationally suitable for use in a field environment.

## COTS Spectacle Systems For Non-Prescription Wearers Only (continued)

| Authorized SPECTACLES   | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| Wiley X SG-1 Spectacle Kit                                    | 1 each        | SG-1                       | 4240-01-504-0994 |
| <b>Replacement parts:</b>                                     |               |                            |                  |
| Replacement Frame (includes temples and strap) , Wiley X SG-1 | 1 each        | SG-1F                      | 4240-01-504-6524 |
| Replacement Lens, Clear, Wiley X SG-1                         | 1 each        | SG-1C                      | 4240-01-504-5326 |
| Replacement Lens, Gray, Wiley X SG-1                          | 1 each        | SG-1G                      | 4240-01-504-5312 |
| Replacement Case, Wiley X SG-1                                | 1 each        | TS-235                     | 4240-01-504-5797 |
| Retention Strap, Wiley X SG-1                                 | 1 each        | SG-1E                      | 4240-01-504-5754 |
| Replacement Temples, Wiley X SG-1                             | 1 each        | SG-1T                      | 4240-01-504-6474 |



The Wiley X SG-1 protective spectacle consists of a plastic frame (one size) with interchangeable polycarbonate lenses. The Wiley X SG-1 is a dual lens eyewear that uses a foam seal around each eye socket to limit infiltration of wind and dust. The system provides two functions in one: converting from a spectacle with temple arms to a low profile spectacle with a strap. The temples disengage with a push of a button and can be replaced with the snap loaded elastic headband. The frame and lens assembly weighs 1.3 ounces. All lenses have been treated with a hard-coat on the exterior surface to reduce scratching and an anti-fog coating on the interior surface to reduce fogging. The Wiley X SG-1 provides ballistic fragmentation protection, and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. This eyewear is for Soldiers who do not require prescription lenses.

(For more products, see next page)

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## COTS Goggle System with Prescription Lens Carrier Capability

| Authorized <b>GOGGLES</b>   | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| Revision Desert Locust Goggle Kit, Foliage Green  | 1 each        | 4-0309-9510                | 4240-01-547-6218 |
| Revision Desert Locust Goggle Kit, Tan 499 with Multicam Case   | 1 each        | 4-0309-9524                | 4240-01-592-8619 |
| Revision Desert Locust Goggle Kit, Black  | 1 each        | 4-0309-9500                | 4240-01-547-6227 |
| <b>Replacement parts (for all colors):</b>  |               |                            |                  |
| Replacement Lens, Clear, Revision Desert Locust   | 1 each        | 4-0331-9101                | 4240-01-588-3259 |
| Replacement Lens, Gray, Revision Desert Locust  | 1 each        | 4-0331-9202                | 4240-01-588-3254 |
| Replacement Lenses, Clear, Revision Desert Locust   | Package of 10 | 4-0331-9100                | 4240-01-547-6568 |
| Replacement Lenses, Gray, Revision Desert Locust  | Package of 10 | 4-0331-9200                | 4240-01-547-6567 |
| Anti-Fog Cloths, Revision Desert Locust   | Package of 10 | 4-0330-9001                | 4240-01-571-3625 |
| <b>Replacement parts &amp; Additional Components (Foliage Green):</b>                                 |               |                            |                  |
| Replacement Frame, Foliage Green 504, Revision Desert Locust  | 1 each        | 4-0647-9200                | 4240-01-587-8475 |
| Desert Locust PDQ Quick release strap, Foliage Green 504 (1 Pack)                                     | 1 each        | 4-0577-9100                | 4240-01-600-9129 |
| Desert Locust PDQ Quick release strap, Foliage Green 504 (10 Pack)                                    | Package of 10 | 4-0577-9102                | 4240-01-600-9125 |
| <b>Replacement parts &amp; Additional Components (Tan 499):</b>                                       |               |                            |                  |
| Replacement Frame, Tan 499, Revision Desert Locust  | 1 each        | 4-0647-9400                | 4240-01-592-8625 |
| Desert Locust PDQ Quick release strap, Tan 499 (1 Pack)   | 1 each        | 4-0577-9500                | 4240-01-600-9130 |
| Desert Locust PDQ Quick release strap, Tan 499 (10 Pack)  | Package of 10 | 4-0577-9502                | 4240-01-600-9127 |
| <b>Replacement parts &amp; Additional Components (Black):</b>   |               |                            |                  |
| Replacement Frame, Black, Revision Desert Locust  | 1 each        | 4-0647-9100                | 4240-01-587-8477 |
| Desert Locust PDQ Quick release strap, Black (1 Pack)   | 1 each        | 4-0577-9200                | 4240-01-600-9128 |
| Desert Locust PDQ Quick release strap, Black (10 Pack)  | Package of 10 | 4-0577-9202                | 4240-01-600-9121 |
| <b>Additional Components (for all colors):</b>  |               |                            |                  |
| Revision Prescription (Rx) Carrier System - Single Pack<br>Universal Prescription Lens Carrier (UPLC) | 1 each        | 4-0436-9102                | 6540-01-600-6532 |
| Revision Prescription (Rx) Carrier System - 10 Pack<br>(Universal Prescription Lens Carrier)          | Package of 10 | 4-0436-9104                | 6540-01-600-6536 |
| Revision Prescription (Rx) Carrier System - 30 Pack<br>(Universal Prescription Lens Carrier)          | Package of 30 | 4-0436-9110                | 6540-01-600-6541 |



The Revision Desert Locust protective goggle consists of an injection molded rubber frame (one size) with interchangeable polycarbonate lenses. The face seal likewise consists of injection molded rubber for a low profile fit against the face and to facilitate ease of cleaning/sanitation. Foam covered venting around the periphery provides ventilation while keeping sand/dust out. The Revision Desert Locust Goggle's weighs 4.3 ounces. All lenses have been treated with a combination anti-scratch/anti-fog coating to minimize scratching and fogging. The anti-reflective sleeve reduces glint when the goggle is not in use. The Desert Locust provides ballistic-fragmentation protection, and meets ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. The Universal Prescription Lens Carrier (UPLC) is available for those who require corrective lenses.

(For more products, see next page)

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## COTS Goggle System with Prescription Lens Carrier Capability (continued)

| Authorized <u>GOGGLES</u>  | Unit of Issue | Manufacturer's Part Number | NSN              |
|--|---------------|----------------------------|------------------|
| ESS Profile NVG Goggle Kit, Foliage Green 504  | 1 each        | EP01FG1-MSB                | 4240-01-540-5585 |
| ESS Profile NVG Goggle Kit, Black  | 1 each        | EP01BK1-TSB                | 4240-01-504-6222 |
| <b>Replacement parts (for all colors):</b>   |               |                            |                  |
| Replacement Lens, Clear, ESS Profile NVG   | 1 each        | 740-0113                   | 4240-01-587-8420 |
| Replacement Lens, Gray, ESS Profile NVG  | 1 each        | 740-0119                   | 4240-01-587-7640 |
| Replacement Lenses, Clear, ESS Profile NVG   | Package of 50 | PR1C-50                    | 4240-01-504-5641 |
| Replacement Lenses, Gray, ESS Profile NVG  | Package of 50 | PR1Y-50                    | 4240-01-504-6143 |
| Anti-Fog Cloths, ESS Profile NVG   | Package of 25 | 740-0209                   | 4240-01-525-5107 |
| <b>Replacement parts(Foliage Green):</b>   |               |                            |                  |
| Replacement Frame, Foliage Green 504, ESS Profile NVG  | 1 each        | 740-0464                   | 4240-01-587-7565 |
| <b>Replacement parts(Black):</b>   |               |                            |                  |
| Replacement Frame, Black, ESS Profile NVG  | 1 each        | 740-0465                   | 4240-01-587-7520 |
| <b>Additional Components:</b>  |               |                            |                  |
| U-Rx Prescription Lens Carrier, Compatible with ESS Profile NVG Goggle, ESS Crossbow Spectacle and Oakley SI Ballistics M Frame 2.0 Spectacle  | 1 Each        | 740-0411                   | 6540-01-584-0170 |
| U-Rx Prescription Lens Carriers, Compatible with ESS Profile NVG Goggle, ESS Crossbow Spectacle and Oakley SI Ballistics M Frame 2.0 Spectacle | Package of 25 | 740-0444                   | 6540-01-584-0176 |



The ESS Profile NVG protective Goggle consists of an injection molded rubber frame (one size) with interchangeable polycarbonate lenses. The frame is lined with a foam backing for improved comfort where it contacts the face. Foam covered venting around the periphery provides ventilation while keeping sand/dust out. The ESS Profile NVG Goggle weighs 4.4 ounces. All lenses have been treated with a hard-coat on the exterior surface to reduce scratching and an anti-fog coating on the interior surface to reduce fogging. The anti-reflective sleeve reduces glint when the goggle is not in use. The ESS Profile NVG provides ballistic-fragmentation protection, and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. An optional prescription lens carrier is available for those who require corrective lenses.

(For more products, see next page)

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## COTS Goggle System with Prescription Lens Carrier Capability (continued)

| Authorized <b>GOGGLES</b>  | Unit of Issue | Manufacturer's Part Number | NSN                         |
|--|---------------|----------------------------|-----------------------------|
| Smith Optics Outside the Wire Goggle Kit, Foliage Green  | 1 each        | OTW01FG-FSB                | 4240-01-583-4955            |
| Smith Optics-Outside the Wire Goggle Kit, Black  | 1 each        | <del>OTW01BK-FSB</del>     | <del>4240-01-583-4907</del> |
| <b>Replacement parts (for all colors):</b>   |               |                            |                             |
| Replacement Lens, Clear, Smith Optics Outside the Wire   | 1 each        | OTW01C                     | 4240-01-583-5160            |
| Replacement Lens, Gray, Smith Optics Outside the Wire  | 1 each        | OTW01Y                     | 4240-01-583-5163            |
| Replacement Lenses, Clear, Smith Optics Outside the Wire   | Package of 50 | OTW01C-50                  | 4240-01-583-5162            |
| Replacement Lenses, Gray, Smith Optics Outside the Wire  | Package of 50 | OTW01Y-50                  | 4240-01-583-5167            |
| Replacement Case, Smith Optics Outside the Wire  | 1 each        | OTWGLBAG-BK                | 4240-01-583-5225            |
| Anti-Fog Cloth, Smith Optics Outside the Wire  | Package of 20 | FOG98                      | 4240-01-583-5248            |
| Cleaning Cloth, Smith Optics Outside the Wire  | Package of 36 | SMBST36PK-EL               | 4240-01-583-5267            |
| <b>Replacement parts(Foliage Green):</b>   |               |                            |                             |
| Replacement Frame, Foliage Green, Smith Optics Outside the Wire  | 1 each        | OTWFRM-FG                  | 4240-01-587-9282            |
| Retention Strap, Foliage Green, Smith Optics Outside the Wire  | 1 each        | OTWSTRAP-FG                | 4240-01-583-5185            |
| Replacement Sleeve, Foliage Green, Smith Optics Outside the Wire   | 1 each        | EGARSLV-FG                 | 4240-01-583-5198            |
| <b>Replacement parts(Black):</b>   |               |                            |                             |
| Replacement Frame, Black, Smith Optics Outside the Wire  | 1 each        | OTWFRM-BK                  | 4240-01-587-9280            |
| Retention Strap, Black, Smith Optics Outside the Wire  | 1 each        | OTWSTRAP-BK                | 4240-01-583-5168            |
| Replacement Sleeve, Black, Smith Optics Outside the Wire   | 1 each        | EGARSLV-BK                 | 4240-01-583-5187            |
| <b>Additional Components:</b>  |               |                            |                             |
| Prescription Lens Carrier with goggle connector (fits the Smith Optics Aegis Spectacle and the Smith Optics Outside the Wire Goggle, when used with goggle connector)  | 1 each        | ELRXKIT                    | 6540-01-584-3885            |
| Prescription Lens Carriers with goggle connector (fits the Smith Optics Aegis spectacle and the Smith Optics Outside the Wire Goggle, when used with goggle connector) | Package of 25 | ELRXKIT-25                 | 6540-01-584-3916            |



The Smith Optics Outside the Wire goggle consists of an injection molded rubber frame (one size) with interchangeable polycarbonate lenses. The frame is lined with a foam for improved comfort where it contacts the face. Foam covered venting around the periphery provides ventilation while keeping sand/dust out. All lenses have been treated with a hard-coat on the exterior surface to reduce scratching and an anti-fog coating on the interior surface to reduce fogging. The anti-reflective sleeve reduces glare when the goggle is not in use. The goggle weighs 4.9 ounces, provides ballistic-fragmentation protection, and meets ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. An optional prescription lens carrier is available for those who require corrective lenses.

(For more products, see next page)

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## COTS Goggle System with Prescription Lens Carrier Capability (continued)

| Authorized <u>GOGGLES</u>   | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| Wiley-X SPEAR Goggle Kit, Black Frame (0S7V7)   | 1 each        | SP29B                      | 4240-01-600-1785 |
| Wiley-X SPEAR Goggle Kit, Foliage Green Frame (0S7V7)   | 1 each        | SP29G                      | 4240-01-600-1791 |
| <b>Replacement parts (for all colors):</b>  |               |                            |                  |
| Wiley-X SPEAR Goggle replacement clear lens (Ea)  | 1 each        | SP29C                      | 4240-01-600-1736 |
| Wiley-X SPEAR Goggle replacement smoke lens (Ea)  | 1 each        | SP29S                      | 4240-01-600-1737 |
| Wiley-X SPEAR Goggle replacement clear lens (Pg/10)   | Package of 10 | SP29C10                    | 4240-01-600-1733 |
| Wiley-X SPEAR Goggle replacement smoke lens (Pg/10)   | Package of 10 | SP29S10                    | 4240-01-600-1734 |
| Wiley-X SPEAR goggle replacement facial cavity seal (Ea)  | 1 each        | SP29FCS                    | 4240-01-600-1741 |
| Wiley-X SPEAR goggle replacement facial cavity seal (Pg/10)   | Package of 10 | SP29FCS10                  | 4240-01-600-1739 |
| <b>Replacement parts(Foliage Green):</b>  |               |                            |                  |
| Wiley-X SPEAR Goggle Frame, Foliage Green   | 1 each        | SP29GF                     | 4240-01-600-1761 |
| Wiley-X SPEAR goggle replacement elastic strap. Color FOLIAGE GREEN   | 1 each        | SP29EG                     | 4240-01-600-1775 |
| <b>Replacement parts(Black):</b>  |               |                            |                  |
| Wiley-X SPEAR Goggle Frame, Black   | 1 each        | SP29BF                     | 4240-01-600-1751 |
| Wiley-X SPEAR goggle replacement elastic strap. Color BLACK   | 1 each        | SP29EB                     | 4240-01-600-1771 |
| <b>Additional Components:</b>   |               |                            |                  |
| Prescription Lens Carrier, compatible with Wiley X Talon spectacle and Spear Goggle   | 1 each        | CHX                        | 6540-01-584-0073 |
| Prescription Lens Carrier, compatible with Wiley X Talon spectacle and Spear Goggle   | Package of 25 | CHX25                      | 6540-01-585-7160 |
|  <p>The Wiley-X Spear protective goggle consists of an injection molded rubber frame (one size) with interchangeable polycarbonate lenses. The frame comes with a removable foam gasket which allows the user to choose between a foam or rubber face seal. Foam covered venting around the periphery provides ventilation while keeping sand/dust out. All lenses have been treated with a hard-coat on the exterior surface to reduce scratching and an anti-fog coating on the interior surface to reduce fogging. The anti-reflective sleeve reduces glint when the goggle is not in use. The Wiley-X Spear Goggle weighs 4.8 ounces. The Wiley-X Spear provides ballistic-fragmentation protection, and meets ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. An optional prescription lens carrier is available for those who require corrective lenses.</p> |               |                            |                  |

(For more products, see next page)

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**COTS Goggle System: Worn over prescription spectacles**

| <b>Authorized <u>GOGGLES</u></b>   | <b>Unit of Issue</b> | <b>Manufacturer's Part Number</b> | <b>NSN</b>              |
|--|----------------------|-----------------------------------|-------------------------|
| <b>ESS Land Ops Goggle Kit (with Pouch), Foliage Green 504</b>   | <b>1 each</b>        | <b>ESS01FG-MLSC</b>               | <b>4240-01-540-5576</b> |
| <b><i>Replacement parts:</i></b>   |                      |                                   |                         |
| Replacement Lenses, Clear, ESS Land Ops  | Package of 50        | EL1-50                            | 4240-01-492-5722        |
| Replacement Lenses, Gray, ESS Land Ops   | Package of 50        | EL2-50                            | 4240-01-492-5725        |
| Anti-Fog Cloths, ESS Land Ops  | Package of 25        | 740-0209                          | 4240-01-525-5107        |
|  <p>The ESS Land Ops protective Goggle consists of an injection molded rubber frame (one size) with interchangeable polycarbonate lenses. The frame is lined with a foam backing for improved comfort where it contacts the face. Foam covered venting around the periphery provides ventilation while keeping sand/dust out. The ESS Land Ops Goggle weighs 4.9 ounces. All lenses have been treated with a hard-coat on the exterior surface to reduce scratching and an anti-fog coating on the interior surface to reduce fogging. The anti-reflective sleeve reduces glare when the goggle is not in use. The ESS Land Ops provides ballistic-fragmentation protection, and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. The goggle may be worn overtop prescription eyewear.</p> |                      |                                   |                         |

**(For more products, see next page)**

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## COTS Goggle System Authorized For Non-Prescription Wearers Only

| Authorized <u>GOGGLES</u>                             | Unit of Issue | Manufacturer's Part Number | NSN              |
|---|---------------|----------------------------|------------------|
| Arena Flakjak Goggle Kit, Foliage Green, NSLIN HA409D | 1 each        | FJ-K5112                   | 4240-01-548-7366 |
| <b>Replacement parts:</b>                             |               |                            |                  |
| Replacement Lenses, Clear, Arena Flakjak              | Package of 50 | AR4-GL-001-NC/CA/B5        | 4240-01-527-4079 |
| Replacement Lenses, Gray, Arena Flakjak               | Package of 50 | AR4-GL-001-NC/SA/B5        | 4240-01-527-4082 |
| Replacement Case, Arena Flakjak                       | 1 each        | SSC-G-BAG/K                | 4240-01-527-4078 |
| <b>Replacement parts(Foliage Green):</b>              |               |                            |                  |
| Retention Strap, Arena Flakjak                        | 1 each        | AR4-SA-001-NC/DT           | 4240-01-527-4085 |



The Arena Flakjak protective goggle consists of an Injection molded rubber frame (one size) with interchangeable polycarbonate lenses. The frame is lined with a foam backing for improved comfort where it contacts the face. Baffled vents around the periphery allow for ventilation while keeping sand/dust out. The Arena Flakjak goggle weighs 4.9 ounces. All lenses have been treated with a hard coat to reduce scratching and maximize resistance to chemicals, such as DEET, on all surfaces of the lens. The anti-reflective sleeve reduces glare when the goggle is not in use. The Arena Flakjak provides ballistic-fragmentation protection, and meets all ANSI Z87.1-2003 optical and safety requirements. The lens material blocks 99.9% of all UVA and UVB light. This eyewear is for Soldiers who do not require prescription lenses.

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