Military Combat Eye Protection (MCEP)

2008
# Military Combat Eye Protection (MCEP)

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EYE ARMOR
WEAR IT!

Protected Eyes
Unprotected Eyes

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What is MCEPP?

Military Combat Eye Protection Program

- Program established to validate and authorize protective eyewear devices for use by military personnel
- All devices must meet or exceed protective standards established by the Integrated Product Team (IPT)
- Base standard is the Ballistic Laser Eye Protection System (BLPS) and Sand, Wind and Dust Goggle (SWDG)
Who Manages the MCEPP?

- MCEPP is managed by Program Executive Office Soldier (PEO Soldier)
- MCEPP is executed under Product Manager Soldier Survivability (PM-SSV)
- The MCEPP-IPT is the advisory board to PEO Soldier on Combat Eye Protection
Who comprises the IPT?

Members from the following groups are part of the IPT:

- PM-SSV
- Ophthalmic Clinical Community
- Ophthalmic Fabrication Community
- Military Logistics Community
- Military End Users
What does the IPT do?

- Validates safety standards and testing protocols
- Determines approval of new products for placement on the Authorized Protective Eyewear List (APEL)
- Recertifies current products on the Authorized Protective Eyewear List (APEL)
What is the APEL?

- A listing published by PEO Soldier of all eyewear products that have been approved for military use by the MCEPP-IPT
- All APEL items will be marked with this sticker on its packaging
- Members who purchase their own MCEP should look for this sticker
Where do I find the APEL?

The APEL is published on the following websites:


The APEL is updated two times each year.
What are the MCEP requirements?

- For placement on the APEL, all MCEP must meet performance requirements that include:
  - System Configuration
  - System Weight
  - System Interfaces
  - Environmental Factors
  - Chemical Resistance
  - Ballistic Protection
  - Optical Characteristics
  - Flammability
  - Durability
Are products ever dropped from the APEL?

- Yes
  - All products are retested to current MCEP standards every two years
  - All products are routinely sampled for compliance with current MCEP standards
  - Any changes to the design or fabrication process of APEL items requires immediate retesting
  - Two spectacle systems have been removed from the APEL, to date
How do products get on the APEL?

- APEL Approval is a three-step process
  - Must first meet military combat eye protection requirements
  - Undergo user field testing
  - Receive approval from the MCEP-IPT
What are the current commercial products on the APEL?
Spectacle systems with prescription capability

- ESS ICE II
  - Large
- ESS ICE NARO
  - Regular
- Both sizes utilize the same ESS prescription lens carrier
Spectacle systems with prescription capability

- Revision Sawfly
  - Regular
  - Large
- Both sizes utilize the same Revision prescription lens carrier
Spectacle systems with prescription capability

- UVEX Genesis
  - Regular
- UVEX XC
  - Large
- Both sizes utilize the same UVEX prescription lens carrier
Spectacle systems with no prescription capability

- Oakley SI M 2.0
- Wiley X PT-1
- Wiley X SG-1
Goggle systems with prescription capability

- ESS Profile NVG
  - Utilizes the same ESS prescription lens carrier that fits the ESS ICE II & ESS NARO
Goggle systems with prescription capability

- Revision Desert Locust
  - Utilizes the same Revision prescription lens carrier that fits the Revision Sawfly
Goggle systems that may be worn over LO military spectacles

- ESS Land Ops
  - May also be worn over LO military spectacles

- ESS Vehicle Ops
  - May also be worn over LO military spectacles
Goggle system with no prescription capability

- Arena Flak Jak
  - No prescription lens carrier
  - Does not fit over military LO spectacles
What are the current APEL products that provide LASER protection?
Military Spectacle Systems for Laser and Ballistic Protection

- **SPECS (Spectacle Protective Eyewear Cylindrical System):** No prescription capability

- **BLPS (Ballistic Laser Protective Spectacles):** Utilizes the M-40 Optical Insert
Military Goggle for Laser and Ballistic Protection

- Sand, Wind and Dust Goggle (SWDG): May be worn over spectacles
How do I get MCEP?

- Issued to all IET Soldiers
  - 2006 UVEX XC & ESS ICE II
  - 2007 Revision Sawfly
  - 2008 Determined by TRADOC
- Rapid Fielding Initiative
  - RFI issues one spectacle and one goggle to deploying Soldiers
- Spectacle Systems
  - UVEX XC and UVEX Genesis
- Goggle Systems
  - ESS Profile NVG and ESS Land Ops
  - Arena Flak Jak
  - Revision Desert Locust
How do I get MCEP?

- Supplied by unit
  - All items are assigned National Stock Numbers and may be ordered through common logistics channels

- Self Purchase
  - All items stocked at Military Clothing and Sales Stores and Post Exchanges
  - Ensure items are marked with the APEL sticker before purchase
How do I get prescription lenses for my MCEP?

- Prescription Lens Carriers are a Class VIII medical item and are ordered through your local eye clinic.
  - Must have a valid prescription
  - Must know your MCEP spectacle and goggle system
  - The eye clinic ONLY provides the prescription lens carrier
  - The eye clinic DOES NOT provide MCEP spectacle and goggle systems
Why are there so many items on the APEL?

- More Choice
  - MCEP only works when worn
  - More choice increases the opportunity for users to find a product that meets their needs

- More Product
  - A system failure by one product can be overcome by the other vendors

- More Protection
  - Competition between vendors leads to improved devices that better address the needs of the user
Is there a preferred product?

- There is no preferred product
- All items meet the same MCEP requirements
- Some items perform better on certain tests than others
  - Fogging, Scratch Resistance, etc.
- No single product performs best on all tests
Are there differences between the Services?

- Army
  - Units may purchase all items on the APEL

- Air Force
  - Units may purchase all items on the APEL

- Navy
  - Medical personnel are authorized items on the APEL

- Marine Corps
  - Limited to ESS ICE II, ESS NARO and ESS Profile NVG
  - Prescription lens carriers must contain polycarbonate lenses
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