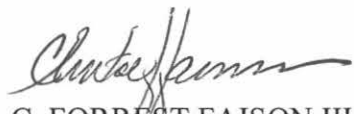


**Change 154**  
**Manual of the Medical Department**  
**U.S. Navy**  
**NAVMED P-117**

**8 Dec 2015**

To: Holders of the Manual of the Medical Department (MANMED)

1. **This change** updates MANMED Change 152, MANMED Chapter 15, Section IV, article 15-36. We have also included an update to article 15-34.
2. **Summary of Changes**. The following corrects diopter parameters for consistency and compliance with DoD standards:
  - a. Page 15-27, article 15-34, paragraph (3)(b)(1).
  - b. Page 15-29, article 15-36, paragraphs (3)(b) through (5)(a). These paragraphs were missing from MANMED Change 152.
3. **Action**
  - a. Remove pages 15-27 and 15-29 and replace with like-numbered pages.
  - b. Record this Change 154 in the Record of Page Changes.

  
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Acting

keratectomy (commonly known as PRK), laser epithelial keratomileusis (commonly known as LASEK) and laser-assisted in-situ keratomileusis (commonly known as LASIK) is disqualifying if *any* of the following conditions are met:

(1) Pre-surgical refractive error in either eye exceeds the standards for the program sought (i.e., +/- 8.00 diopters for enlistment, commission, and programs leading to a commission).

(2) Less than 6 months has passed since the last refractive or augmenting procedure and the time of the evaluation.

(3) There is currently a continuing need to ophthalmic medications or treatment.

(4) Post-surgical refraction in each eye is not considered stable as demonstrated by two separate refractions obtained at least 1 month apart differing by more than +/-0.50 diopters for spherical correction and/or more than +/-0.25 diopters for cylinder correction.

(5) Post-surgical refraction in each eye has not been measured at least one time 3 months or longer after the most recent refractive or augmenting procedure.

(c) Current keratitis (370) (acute or chronic), including but not limited to recurrent corneal ulcers, erosions (abrasions), or herpetic ulcers (054.42) is disqualifying.

(d) Current corneal vascularization (370.6) or corneal opacification (371) from any cause that is progressive or reduces vision below the standards prescribed in article 15-34 is disqualifying.

(e) Current or history of uveitis or iridocyclitis (364.3) is disqualifying.

#### (4) *Retina*

(a) Current or history of retinal defects and dystrophies, angiomas (759.6), retinoschisis and retinal cysts (361.1), phakomas (362.89), and other congenito-retinal hereditary conditions (362.7) that impair visual function, or are progressive is disqualifying.

(b) Current or history of any chorioretinal or retinal inflammatory conditions, including but not limited to conditions leading to neovascularization, chorioretinitis, histoplasmosis, toxoplasmosis, or vascular conditions of the eye (to include Coats' Disease and Eales' Disease) (363) is disqualifying.

(c) Current or history of degenerative changes of any part of the retina (362) is disqualifying.

(d) Current or history of detachment of the retina (361), history of surgery for same, or peripheral retinal injury, defect (361.3) or degeneration that may cause retinal detachment is disqualifying.

#### (5) *Optic Nerve*

(a) Current or history of optic neuritis (377.3) is disqualifying, including but not limited to neuroretinitis, secondary optic atrophy, or documented history of retrobulbar neuritis.

(b) Current or history of optic atrophy (377.1) or cortical blindness (377.75) is disqualifying.

(c) Current or history of papilledema (377.0) is disqualifying.

#### (6) *Lens*

(a) Current aphakia (379.31), history of lens implant, or current or history of dislocation of a lens is disqualifying.

(b) Current or history of opacities of the lens (366) that interfere with vision or that are considered to be progressive, including cataract (366.9) are disqualifying.

#### (7) *Ocular Mobility and Motility*

(a) Current diplopia (368.2) is disqualifying.

(b) Current nystagmus (379.50) other than physiologic "end-point nystagmus" is disqualifying.

(c) Esotropia (378.0) and hypertropia (378.31): For entrance into Service academies and officer programs, additional requirements may be set by the individual Military Services. Special administrative criteria for assignment to certain specialties shall be determined by the Military Services.

(c) Current complicated cases requiring contact lenses for adequate correction of vision, such as corneal scars (371) and irregular astigmatism (367.2) are disqualifying.

(d) Lack of adequate color vision is disqualifying. Adequate color vision is demonstrated by:

(1) Correctly identifying at least 10 out of 14 Pseudo-isochromatic Plates (PIP).

(2) The Farnsworth Lantern (FALANT) or OPTEC 900 will be authorized for commissioning qualification through 31 December 2016. Starting 1 January 2017, the FALANT/OPTEC 900 will only be authorized for commissioning candidates who were previously accepted into a program leading to a commission utilizing the FALANT/OPTEC 900 to demonstrate adequate color vision. A passing FALANT/OPTEC 900 score is obtained by correctly identifying 9 out of 9 presentations on the first test series. If any incorrect identifications are made, a second consecutive series of 18 presentations is administered. On the second series, a passing score is obtained by correctly identifying 16, 17, or 18 presentations.

**(2) For Entry into a Program Leading to a Commission in the Navy Unrestricted Line**

(a) Current distant and near visual acuity of any degree that does not correct with spectacle lenses to 20/20 in each eye is disqualifying.

(b) Current spherical refractive error [hyperopia (367.0), myopia (367.1)] or history of spherical refractive error prior to any refractive surgery of worse than -8.00 or +8.00 diopters is disqualifying.

(c) Current cylinder refractive error [astigmatism (367.2)] or history of cylinder refractive error, prior to any refractive surgery, of worse than -3.00 or +3.00 diopters is disqualifying.

(d) Current complicated cases requiring contact lenses for adequate correction of vision, such as corneal scars (371) and irregular astigmatism (367.2) are disqualifying.

(e) Lack of adequate Color Vision is disqualifying. Adequate color vision is demonstrated by:

(1) Correctly identifying at least 10 out of 14 Pseudo-Isochromatic Plates (PIP). Applicants failing the PIP prior to 31 December 2016 will be tested via the FALANT or OPTEC 900 as described below.

(2) Passing the FALANT/OPTEC 900 test. A passing score on the FALANT/OPTEC 900 is obtained by correctly identifying 9 out of 9 presentations on the first test series. If any incorrect identifications are made, a second consecutive series of 18 presentations is administered. On the second series, a passing score is obtained by correctly identifying 16, 17, or 18 presentations. The FALANT and OPTEC 900 will not be authorized for demonstrating adequate color vision starting 1 January 2017.

**(3) For Commission in the Navy Restricted Line, Staff Corps, and designators not included in article 15-37(3) above.**

(a) Current distant or near visual acuity of any degree that does not correct with spectacle lenses to 20/20 in each eye is disqualifying.

(b) Current refractive error [hyperopia (367.0), myopia (367.1), astigmatism (367.2)], or history of refractive error, prior to any refractive surgery manifest by any refractive error in spherical equivalent of worse than -8.00 or +8.00 diopters is disqualifying.

(c) Current complicated cases requiring contact lenses for adequate correction of vision, such as corneal scars (371) and irregular astigmatism (367.2) are disqualifying.

**(4) For Commission in the United States Marine Corps**

(a) Current distant and near visual acuity of any degree that does not correct with spectacle lenses to 20/20 in each eye is disqualifying.

(b) Current refractive error [hyperopia (367.0), myopia (367.1), astigmatism (367.2)], or history of refractive error prior to any refractive surgery manifest by any refractive error in spherical equivalent of worse than -8.00 or +8.00 diopters is disqualifying.

(c) Current complicated cases requiring contact lenses for adequate correction of vision, such as corneal scars (371) and irregular astigmatism (367.2) are disqualifying.

**(5) For Entry into a Program Leading to a Commission in the United States Marine Corps**

(a) Current distant or near visual acuity of any degree that does not correct with spectacle lenses to 20/20 in each eye is disqualifying.