

**STANDARD PERFORMANCE
SPECIFICATION FOR
RECERTIFIED FOOTBALL FACEGUARDS**

NOCSAE DOC (ND) 089 – 24

Prepared By

NOCSAE®

**NATIONAL OPERATING COMMITTEE
ON STANDARDS FOR ATHLETIC EQUIPMENT**

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1. Scope

- 1.1 This standard specification establishes performance requirements for the recertification of football faceguards.
- 1.2 **All testing and requirements of this standard specification must be in accordance with NOCSAE DOC 001 except where modified herein.**
- 1.3 Only those guards which have been previously certified by a manufacturer to have met the NOCSAE Standard may be recertified.
- 1.4 *This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

- 2.1 NOCSAE DOC (ND) 001: *Standard Test Method and Equipment Used in Evaluating the Performance Characteristics of Headgear/Equipment*
- 2.2 NOCSAE DOC (ND) 087: *Standard Method of Impact Test and Performance Requirements for Football Faceguards*

3. Sample Preparation

- 3.1 Faceguards used for testing must be selected in a random manner.
- 3.2 Faceguards must be removed from the helmet for inspection.
- 3.3 Faceguards selected for drop testing must tested with helmet model on which the faceguard has previously been certified as compliant with ND087. Faceguards shall be mounted onto the helmet according to the manufacturer's instructions using the same attachment hardware, chinstraps, and other components as originally certified.
 - 3.3.1 Non-OEM attachment hardware can be used if the recertifier can demonstrate the helmet/faceguard combination with non-OEM hardware meets the requirements of ND087.
- 3.4 For the purposes of this standard, faceguards intended to fit a unique helmet model and vary in design or construction only in the number of bars or wires may be grouped together and considered the same model.
- 3.5 A statistical sample must be tested. Participation in an industry wide data collection and sharing system which facilitates the collection of a statistical sample is acceptable.

4. Conditioning Environments

- 4.1 Ambient Temperature: Expose faceguard to testing environment for a minimum of four hours.
- 4.2 Testing Environment: The tests must be performed in an environment with a temperature of 72 °F, ± 5 °F (22 °C, ± 2 °C). Always monitor laboratory conditions (temperature and humidity) prior to testing and at periodic intervals during testing.

5. Impact Attenuation Tests

- 5.1 Impact locations are described in Section 19, NOCSAE DOC 001.
- 5.2 Tests shall be conducted at ambient temperature.
- 5.3 Impacts shall be conducted on the 1/8" Faceguard Test MEP pad (see Section 15.2.3, NOCSAE DOC 001).
- 5.4 Recertified faceguards shall be impacted in accordance with Table 1.

TABLE 1
Drop Test Impact Schedule
Velocity - ft/s (m/s) +3% -0%

Conditioning Environment	IMPACT VELOCITY FT/S (M/S)	FRONT
Ambient Temperature	13.89 (4.23)	X
	17.94 (5.46)	X

6. Requirements for Recertification

- 6.1 Faceguard configuration must be the same as originally certified.
- 6.2 All faceguards must be removed from the helmet for inspection prior to reconditioning.
 - 6.2.1 Deformed guards must be discarded. Any bar bent more than 1/8 inch (3.2 mm) from its normal shape at any point constitutes deformation.
 - 6.2.2 Each guard is inspected for weld separation or other crack by an appropriate non-destructive test. Any guard found with either type of failure shall be discarded.
- 6.3 The method employed to remove old coating/residue must not compromise the integrity of the faceguard.
- 6.4 No facial contact is allowed for the 13.89 ft/s impacts. Facial contact can be verified by using contact paste, carbon paper, or another equivalent technique.
- 6.5 1200 SI shall not be exceeded on any drop.
- 6.6 No structural failures to the faceguard, attachment components, or chin strap system are allowed on any drop.

7. Labels and Warnings

- 7.1 A permanent mark of recertification identifying the recertifier.
- 7.2 The following labels shall be permanently affixed in the same locations as placed by the original manufacturer.
1. Name of Manufacturer
 2. Model
 3. Month and Year of Manufacture
 4. "SEI Certified, Meets NOCSAE Standard®"

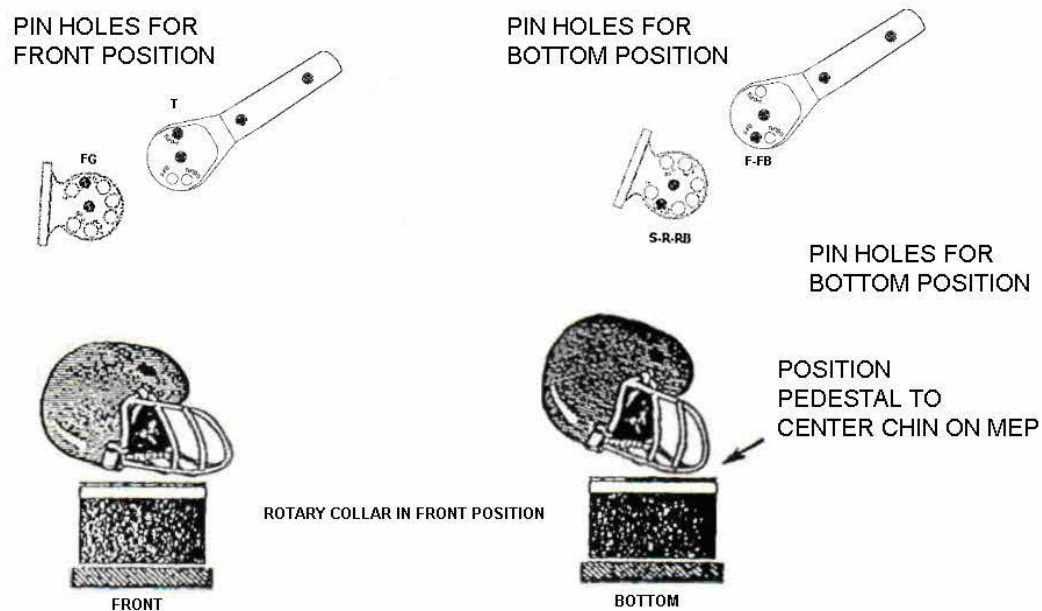


Figure 1

This standard is subject to revision at any time by the responsible technical authority and must be reviewed every five years and if not revised either reapproved or withdrawn. Your comments are invited either for revision, modification or creation of additional standards and should be addressed to NOCSAE's Executive Director. Check the web at www.nocsa.org to obtain the latest version of a standard.

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