

**STANDARD PERFORMANCE
SPECIFICATION FOR
RECERTIFIED LACROSSE HELMETS**

NOCSAE DOC (ND) 043 – 24

Prepared By

NOCSAE[®]

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

Revised January 2024

TABLE OF CONTENTS

Scope	1
Referenced Documents	1
Helmet Preparation	1
Impact Attenuation Tests	2
Test Requirements for Recertification	2
Labels and Warnings	3
DECEMBER 2004 MODIFICATIONS/REVISIONS	6
FEBRUARY 2005 MODIFICATIONS/REVISIONS	6
FEBRUARY 2011 MODIFICATIONS/REVISIONS	6
MAY 2012 MODIFICATIONS/REVISIONS	6
OCTOBER 2014 MODIFICATIONS/REVISIONS	6
JUNE 2015 MODIFICATIONS/REVISIONS	6
MARCH 2016 MODIFICATIONS/REVISIONS	6
OCTOBER 2017 MODIFICATIONS/REVISIONS	6
JANUARY 2024 MODIFICATIONS/REVISIONS	6

1. Scope

- 1.1 This standard specification establishes performance requirements for the recertification of lacrosse helmets.
- 1.2 **All testing and requirements of this standard specification must be in accordance with NOCSAE DOC 001 except where modified herein.**
- 1.3 Firms may recertify only those helmets that have been previously certified to NOCSAE.
- 1.4 Helmets may only be recertified if the date of manufacture is legible. The date of manufacture must remain legible throughout the reconditioning process so that it is legible to the user when returned.
- 1.5 *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*

3. Helmet Preparation

- 3.1 Helmets used for testing must be selected in a random manner.
- 3.2 Faceguards - Helmets must be tested with faceguards attached.
- 3.3 Helmets must be tested before reconditioning as received from the field. The same helmets must be tested after all processing and in the condition in which they are to be returned to use. 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. This section should not be construed in any way as overriding Section 3.2 above.

4. Conditioning Environments

- 4.1 Ambient Temperature: Expose headgear/equipment 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 The impact locations on headgear shall be obtained using the locator holes on the Positioner Adjuster and/or Stem, which will allow an impact to be centered around the desired impact point on the helmet closest to the specified standard location, which prevents the visor and/or eye protector from contacting the Test MEP pad or anvil throughout the impact.
- 5.3 Each submitted sample helmet shall be impacted in the front position and in one other location in accordance with Table 1 below and as depicted in Figure 1.

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

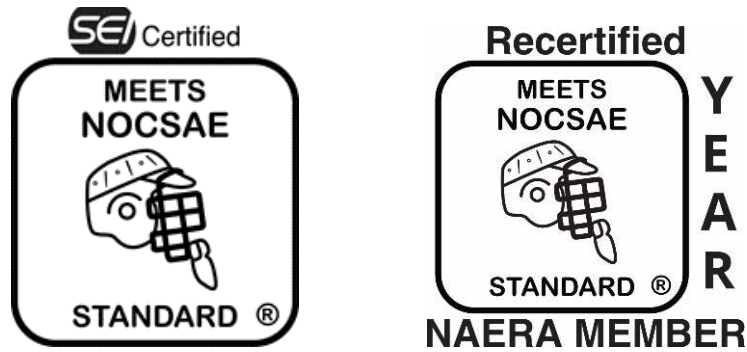
Conditioning Environment	FRONT	SIDE	REAR	TOP
Ambient	17.94 (5.46)	17.94 (5.46)	17.94 (5.46)	17.94 (5.46)
	17.94 (5.46)	17.94 (5.46)	17.94 (5.46)	17.94 (5.46)

6. Test Requirements for Recertification

- 6.1 Helmet configuration must be the same as originally certified.
- 6.2 All components must function as originally certified.
- 6.3 Helmet shells must be free from cracks (as defined in NOCSAE DOC 001, Section 3).
- 6.4 Faceguards must be free of cracks and have no exposed metal or sharp corners.
- 6.5 The peak severity index of any impact shall not exceed 1200 SI.
- 6.6 Helmet repositioning during testing is anticipated. Any structural changes or other changes that take place during impact testing which result in un-restorable, loosening of the fit (see Section 20, NOCSAE DOC 001) shall be cause for failure.
- 6.7 A passing helmet is able to withstand all impacts at an acceptable SI and meets all other requirements when tested in accordance with this performance specification.

7. Labels and Warnings

- 7.1 Each helmet shall be permanently and legibly labeled or marked in a manner such that the following information can be easily read and is not obscured in any manner.
 - 7.1.1 Name of Manufacturer
 - 7.1.2 Model Designation
 - 7.1.3 Size
- 7.2 Each helmet shall be permanently and legibly labeled or marked in a manner such that the following additional information can be easily read without removing any permanent component. The following labels shall contain a signal word which shall not be obscured in any manner:
 - 7.2.1 A label that warns the user that no headgear can protect against all possible impacts and the helmet must be fitted and attached properly to the wearer's head in accordance with the manufacturer's fitting instructions.
 - 7.2.2 A label that warns the user that the helmet can be damaged by accidental, incidental, or intentional contact with common substances (for example, certain solvents, cleaners, hair treatments, etc.) and that this damage may or may not be visible to the user. This label should also list any recommended cleaning agents or procedures, or both.
 - 7.2.3 Warnings: Each helmet shall have appropriate warning information as called for in the appropriate NOCSAE performance specifications.
- 7.3 A permanent and legible label or mark that denotes the month and year of manufacture that can be easily read without removing any permanent component. If this mark or label requires a "code" to determine month and year, such code shall be made available upon request.
 - 7.3.1 A label that denotes the first intended season of use may be used.
- 7.4 The labels identified in Section 7.1 shall be permanently and legibly labeled or marked in a manner such that the information can be easily read without removing any permanent component.
- 7.5 A permanent replica of one of the marks shown below must appear on the exterior of the headgear. If the original SEI Certified NOCSAE mark is not clearly legible, then the "Recertified" mark shall be applied.



If the “recertified” mark needs to be added, the “YEAR” data must be given and it shall reflect the year of the particular reconditioning season (e.g., 2020) that the helmet is being recertified. The “NAERA MEMBER” information is optional; examples might be the name of the recertifier’s organization or his company (e.g., NAERA or XYZ Reconditioning).

- 7.6 Each helmet shall have permanently affixed to the exterior of the shell a clearly legible statement which can be easily read without removal of any decal tape, other temporary material or permanent component, which contains language which effectively communicates to the purchaser and user the following information using the same or similar language:

WARNING

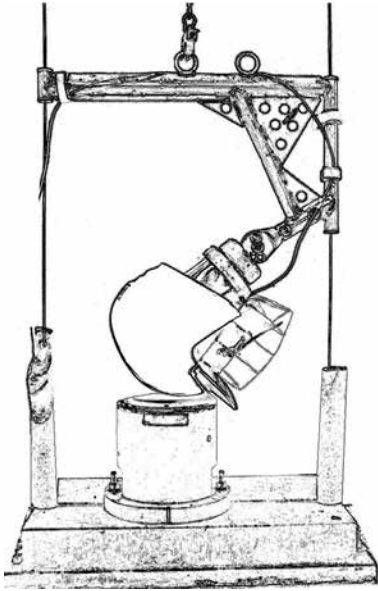
DO NOT USE THIS HELMET IF THE SHELL IS CRACKED OR DEFORMED; OR IF THE INTERIOR PADDING IS DETERIORATED. SEVERE HEAD OR NECK INJURY, INCLUDING PARALYSIS OR DEATH MAY OCCUR TO YOU DESPITE USING THIS HELMET. NO HELMET CAN PREVENT ALL HEAD INJURIES OR ANY NECK INJURIES A PLAYER MIGHT RECEIVE WHILE PARTICIPATING IN LACROSSE

- 7.7 Recertified helmets must have a recertification mark that includes the name of the recertifying firm and the year of recertification. This mark may be placed on the interior or exterior of the shell in an area in which it can be easily read without removal of any permanent component and will also contain the following language:

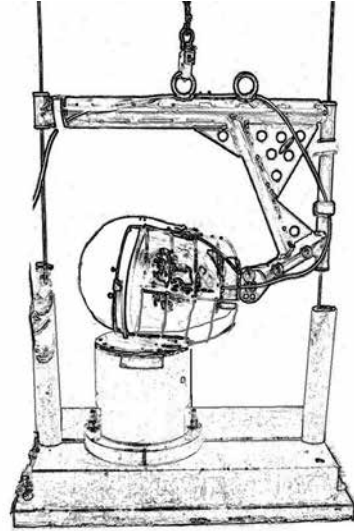
"This helmet has been recertified according to procedures established to meet the NOCSAE Standard."

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.

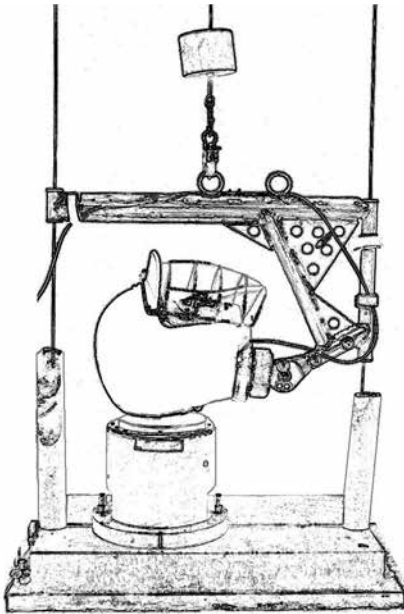
This standard is copyrighted by NOCSAE 11020 King St. Suite 215, Overland Park, Kansas 66210 USA. Copies may be obtained from the NOCSAE web site at www.nocsa.org



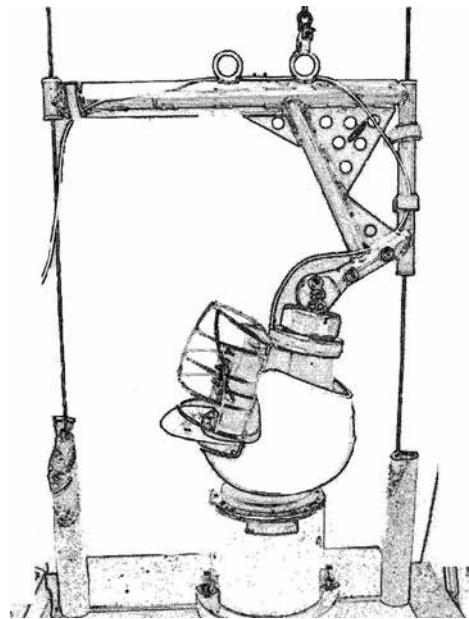
Front Impacts



Right Side Impacts



Rear Impacts



Top Impacts

Figure 1

DECEMBER 2004 MODIFICATIONS/REVISIONS

- Modified section 3.3 to clarify helmets tested.
- Modified section 5 to include clarification of helmet positioning.

FEBRUARY 2005 MODIFICATIONS/REVISIONS

- Modified Section 5.3 to reflect the correct dates

FEBRUARY 2011 MODIFICATIONS/REVISIONS

- REVISION: Changed drop heights to drop velocities.
- Moved test requirements to section 6. Clarified test requirements

MAY 2012 MODIFICATIONS/REVISIONS

- Modified section 3.3 for clarity.

OCTOBER 2014 MODIFICATIONS/REVISIONS

- Updated title name of NOCSAE DOC. 001
- Added SEI Certification NOCSAE Logo to Section 7, "Labels and Warnings"

JUNE 2015 MODIFICATIONS/REVISIONS

- Updated NOCSAE seal/logo artwork

MARCH 2016 MODIFICATIONS/REVISIONS

- Updated Scope, Labels and Warnings sections to include date of manufacture requirement

OCTOBER 2017 MODIFICATIONS/REVISIONS

- Corrected section numbering

JANUARY 2024 MODIFICATIONS/REVISIONS

- REVISION: Updated exterior warning labeling language to match ND041
- Replaced references to ND001 Section 9.1, 9.2, 9.3, 9.4, 10, 12.1, and 12.3 with the referenced language
- Removed Manufacturer Certifies NOCSAE logo
- Removed 1500 Severity Index pass/fail allowance for helmets manufactured before 2005
- General formatting updates