



Safety Equipment Institute

# SEI Certification Program Manual

Written by: Senior Management Staff

Date: 09.10.2026

Approved by: President

Date: 09.10.2026

Revision: 20 **21**

### **Certification Program Manual- Contents, Maintenance, and Control**

The *Certification Program Manual* contains policies and procedures for the participants in the SEI certification programs. Parties interested in submitting safety and protective equipment for certification under the program shall apply to the Institute and consent to be bound by the *Certification Program Manual*.

#### **Contents**

The program rules of participation, including application, administrative and testing fees are set forth in the *Certification Program Manual*, which shall be adopted and approved by the Committee on Certification Programs (CCP). All policy changes must be presented to the CCP for approval and adoption. Editorial changes or clarifying language changes must be presented to the President for approval.

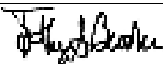
#### **Maintenance and Control**

The *Certification Program Manual* and a master distribution list shall be maintained by the Program Director.

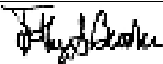
A revision notice will be provided to all the names on the master distribution list. Each holder of the *Certification Program Manual* on the master distribution list is responsible for maintaining the manual with all revisions.

Revisions to the *Certification Program Manual* shall be controlled using the attached Revision Notice.

| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09.10.26          | Section 06                                                                          | Updated Section title to Standards and Laboratories<br>Upon CCP approval, the following standard edition dates were updated:<br>ANSI/ISEA 100-2024<br>ANSI/ISEA Z87.1-2025<br>ASTM F1506-25<br>ASTM F2530-13 (R2025)<br>ASTM F3077-25<br>CAN/CSA Z94.3-2020 (R2025)<br>CAN/CSA Z195-14 (R2025)<br>NOCSAE ND002-25 |
|                   | Section 07                                                                          | Added fees for Private Label Variant and Accessory models                                                                                                                                                                                                                                                         |
|                   | Section 08                                                                          | Added definitions for basic model, variant, and accessory                                                                                                                                                                                                                                                         |
|                   | Section 10                                                                          | Added clause indicating that testing must be completed at the same laboratory with which the submittal was opened                                                                                                                                                                                                 |
|                   | Section 16                                                                          | Added definitions for suspension and withdrawal                                                                                                                                                                                                                                                                   |
|                   | Section 21                                                                          | Updated standard reference to ANSI/ISEA Z87.1-2025 and CAN/CSA Z94.3-2020 (R2025)                                                                                                                                                                                                                                 |
|                   | Section 23                                                                          | Added ANSI/ISEA 100-2024, Industrial bump cap standard (IBC)                                                                                                                                                                                                                                                      |
|                   | Section 26                                                                          | Updated standard reference to CAN/CSA Z195-14 (R2025)                                                                                                                                                                                                                                                             |
|                   | Section 27                                                                          | Updated standard reference to ASTM F2530-13 (R2025)                                                                                                                                                                                                                                                               |
|                   | Section 29                                                                          | Updated standard reference to ASTM F1506-25                                                                                                                                                                                                                                                                       |
|                   | Section 30                                                                          | Updated standard reference to ND002-25<br>Added fees for Private Label Variant and Accessory models<br>Added ND006 to the QA/QC Protocols table                                                                                                                                                                   |
|                   | Section 31                                                                          | Updated standard reference to ASTM F3077-25                                                                                                                                                                                                                                                                       |
|                   | Section 32                                                                          | Updated standard reference to ASTM E3187-M25 (this was missed during the last revision)                                                                                                                                                                                                                           |
| Approved 09.10.26 |  |                                                                                                                                                                                                                                                                                                                   |
| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                                                                                           |
| 11.5.25           | Cover Page/Revision Notice                                                          | Changed title from Operations Manager to Program Director                                                                                                                                                                                                                                                         |
|                   | Section 02                                                                          | Added note regarding lab direct billing                                                                                                                                                                                                                                                                           |
|                   | Section 06                                                                          | Upon CCP approval, the following standard edition dates were updated:<br>ASTM E3187M-25<br>NFPA 1930-2025 (Includes 1801, 1802)<br>NFPA 1950-2025 (Includes 1951, 1977, 1999)<br>NFPA 1955-2025 (Includes 1952, 1953)<br>NOCSAE ND006-23 (new standard)                                                           |
|                   | Section 07                                                                          | Updated fees<br>Updated auditor list                                                                                                                                                                                                                                                                              |

|                  | Section 21.5                                                                        | Removed section B regarding flammability as flammability is no longer a requirement in ANSI/ISEA Z87.1                                                                                                                                                                                                                                                                                                                                                                                                                          |
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|                  | Section 24                                                                          | Updated standard references to reflect consolidated standard NFPA 1930<br>Revised LUT to reflect new consolidated standard 1930                                                                                                                                                                                                                                                                                                                                                                                                 |
|                  | Section 25                                                                          | Updated standard references to reflect consolidated standards NFPA 1950 and 1955<br>Added program categories for Wildland Firefighting Protective Face Coverings, and Multifunctional Ensembles, Footwear, and Helmets<br>Revised LUTs to reflect new consolidated standards 1950 and 1955                                                                                                                                                                                                                                      |
|                  | Section 30                                                                          | 30.1 Added Preface<br>30.2 Added references to Submittal Package and removed references to 30B<br>30.3 Added program for Youth Football Helmet<br>30.5 thru 30.9 Added clarifying language regarding new model designation<br>30.12 Added note that samples shall be submitted from most recent production lots. Added clarifying language regarding headform fit.<br>30.15 Clarified language regarding QA/QC plan review and approval<br>30.17 Updated fees<br>30.19 Updated fees<br>30.20 Updated fees<br>30.21 Updated fees |
|                  | Submittal package 30A                                                               | New form (replaces old 30A and 30B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                  | Section 31                                                                          | Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                  | Section 32                                                                          | Updated standard edition date to NIJ 1001.00-2019 (Rev. A).                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Approved 11.5.25 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Revision Date    | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 12.20.24         | Section 06                                                                          | Upon CCP approval, the following standard edition dates were updated:<br>ASTM E2952-24<br>ASTM F1937-04 (R2023)<br>ASTM F2413-24<br>ASTM F2681-18 (R2023)<br>ASTM F2892-24<br>CSA Z94.1-15 (R2024)<br>CSA Z195-14 (R2023)<br>CSA Z259.10-18 (R2023)<br>NFPA 1970-2025 (Includes 1971, 1975, 1981 and 1982)<br>NOCSAE ND024-24<br>NOCSAE ND087-24<br>Changed lab name from "NTS" to "Element"                                                                                                                                    |
|                  | Section 07                                                                          | Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                  | Section 08                                                                          | 8.2 (6.) Removed reference to application fee for private label and changed "will" to "may" with regard to product comparison review                                                                                                                                                                                                                                                                                                                                                                                            |
|                  | Form 8.0<br>Form 8.2<br>Form 8.4                                                    | Updated address and date<br>Updated address and date<br>Updated address and date                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|                   | Form 12.1                                                                           | Updated address and date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                   | Form 16.3<br>Form 16.4<br>Form 16.5                                                 | Updated address and date<br>Updated address and date<br>Updated address and date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                   | Form 18.1                                                                           | Updated address and date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                   | Section 20                                                                          | Updated to current edition (ASTM E2952-24)<br>Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                   | Section 21                                                                          | Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                   | Section 22                                                                          | Updated Fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                   | Section 23                                                                          | Updated reaffirmation date CSA Z94.1-2015 (R2024)<br>Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                   | Section 24                                                                          | Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                   | Section 25                                                                          | Updated to current standard (NFPA 1970)<br>Added Wildland Fire Fighting Load Carrying Devices<br>Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | Section 26                                                                          | Updated to current edition (ASTM F2413-24 and ASTM F2892-24)<br>Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                   | Section 27                                                                          | Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                   | Section 28                                                                          | Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                   | Section 29                                                                          | Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                   | Section 30                                                                          | Updated to current edition (ND024-24 and ND087-24)<br>30.4 A several editorial changes<br>Added 30.4 C (applicable standards)<br>Added 30.5 (faceguards and eye protection)<br>30.6 A and B several editorial changes<br>Added 30.6 C (applicable standards)<br>30.7 A and B several editorial changes<br>Added 30.7 C (applicable standards)<br>30.8 A several editorial changes<br>Added 30.8 C (applicable standards)<br>30.9 A and B several editorial changes<br>Added 30.9 C (applicable standards)<br>Added 30.10 (helmet hardware)<br>Added 30.11 (sampling requirements and reduced sampling for certification)<br>30.13 Table – added Pneumatic Ram and Metallic Hardware; changed baseball level from 3 to 1<br>Updated fees |
|                   | Form 30A                                                                            | Updated address and date, removed fax number and changed lab name from “Chesapeake” to “Element”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                   | Section 31                                                                          | Updated fees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                   | Section 32                                                                          | Added Specifications for bomb suit program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Approved 12.20.24 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

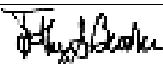
| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                                                                                                                                                                                                 |
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| 11.15.23          | Section 3                                                                           | Updated SEI address and removed language indicating that SEI collects fees for product testing                                                                                                                                                                                                                                                                                                                          |
|                   | Section 6                                                                           | Removed ANSI/ASSE Fall Protection Standards<br>Upon CCP approval, the following standard edition dates were updated:<br>ANSI/ISEA Z358.1-2014 (R2020)<br>ASTM E3187-M19<br>ASTM F1163-23<br>ASTM F3137-15 (R2022)<br>CAN/CSA Z259.2.2-17 (R2022)<br>CAN/CSA Z259.2.5-17 (R2021)<br>CAN/CSA Z259.11-17 (R2021)<br>NFPA 1986-2023<br>NFPA 2112-2023<br>Added INSPEC International Ltd as approved lab for ANSI/ISEA Z89.1 |
|                   | Section 7                                                                           | 7.0 Added language related to product withdrawal<br><br>Participation Fees updated for 2024                                                                                                                                                                                                                                                                                                                             |
|                   | Section 16                                                                          | Added language related to product testing in event of voluntary withdrawal                                                                                                                                                                                                                                                                                                                                              |
|                   | Section 17                                                                          | 17.7 Removed language related to SCC accreditation                                                                                                                                                                                                                                                                                                                                                                      |
|                   | Section 19                                                                          | 19.5.2.2, 19.5.2.3 Added language related to final decision on how a valid compliant is resolved                                                                                                                                                                                                                                                                                                                        |
|                   | Section 21                                                                          | Added reaffirmation date ANSI/ISEA Z358.1-2014 (R2020)                                                                                                                                                                                                                                                                                                                                                                  |
|                   | Section 22                                                                          | Removed ANSI/ASSE Fall Protection Standards<br>Added reaffirmation dates:<br>CAN/CSA Z259.2.2-17 (R2022)<br>CAN/CSA Z259.2.5-17 (R2021)<br>CAN/CSA Z259.11-17 (R2021)                                                                                                                                                                                                                                                   |
|                   | Section 27                                                                          | Updated to current edition ASTM F1163-23                                                                                                                                                                                                                                                                                                                                                                                |
|                   | Section 29                                                                          | Updated to current edition NFPA 2112-23                                                                                                                                                                                                                                                                                                                                                                                 |
|                   | Section 30                                                                          | 30.13 (A) Added language related to laboratory fee increases<br>30.14 Participation Fees updated for 2024<br>30.15 Outlined NOCSAE audit fees                                                                                                                                                                                                                                                                           |
|                   | Section 30F                                                                         | Updated SEI address and removed language indicating that SEI collects fees for product testing                                                                                                                                                                                                                                                                                                                          |
|                   | Section 31                                                                          | Added reaffirmation date ASTM F3137-15 (R2022)                                                                                                                                                                                                                                                                                                                                                                          |
|                   | Section 32                                                                          | Corrected standard designation ASTM E3187-M19                                                                                                                                                                                                                                                                                                                                                                           |
| Approved 11.15.23 |  |                                                                                                                                                                                                                                                                                                                                                                                                                         |
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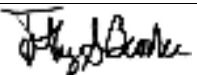
| Revision Date | Section / Subsection | Description of Revision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| 10.31.22      | Section 6            | Upon CCP approval, the following standard edition dates were updated:<br>ASTM F1506-22<br>ASTM F2713-21<br>ASTM F3077-21<br>CAN/CSA Z259.12-16 (R2021)<br>NFPA 1802-21<br>NFPA 2500-2022 (NFPA 1983)<br>NFPA 1986-2023<br>NIJ 1001-00 (Rev A)<br>NOCSAE ND200-22                                                                                                                                                                                                                                                                                                                                                       |
|               | Section 7            | 7.0 Added language related to new late fee policy.<br><br>Added language to indicate that Participants in NFPA programs which allow for maintaining legacy certified products shall be active, and in good standing, with current certified product models.<br><br>Participation Fees updated for 2023<br><br>7.1 Eliminated application fees and testing surcharge. Updated Private Label Annual Certification Fee.<br><br>7.3 Updated location of INSPEC Asia auditors from Shanghai to Taiwan                                                                                                                       |
|               | Section 10           | 10.0 Added language to indicate that test reports, once provided to SEI become property of SEI and are used for the purpose of issuing certification.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|               | Section 19           | 19.1.2 Added language to include entities which SEI has a signed confidentiality agreement.<br><br>19.2.1 Revised to indicate that complaints shall be immediately investigated by the SEI Compliance Officer.<br><br>19.2.2 Revised to indicate that the Compliance Officer shall assign valid complaints to an SEI Director or Manager<br><br>19.2.3 Revised to indicate that for complaints which are determined to be invalid, the final decision on validity shall be made by the President.<br><br>19.5.3.1 Added language regarding providing a copy of a user/safety notice to the AHJ with a copy to the SCC. |
|               | Section 20           | Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|               | Section 21           | Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|               | Section 22           | Updated to current edition CAN/CSA Z259.12 (R2021); NFPA 2500-2022 (1983)<br><br>Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|               | Section 23           | Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|               | Section 24           | Added Program: NFPA 1802 Two-Way, Portable RF Voice Communication Devices<br><br>Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

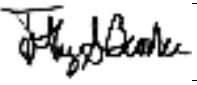
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|                   | Section 25                                                                          | Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | Section 26                                                                          | Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | Section 27                                                                          | Updated to current edition ASTM F2713-21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | Section 28                                                                          | Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | Section 29                                                                          | Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | Section 30                                                                          | <p>30.0 Updated to current edition ND200-22</p> <p>30.9 Added Standoff Measurement and Rigid Mount Deformation Test (Optional) to QA/QC Protocol table for ND087: Football Faceguards</p> <p>30.12 Updated Certification Fees</p> <p>30.13 Revised to indicate that the schedules of testing rates are available as quoted by the testing laboratory.</p> <p>Added Section 30.14 Annual Participation Fees which explains the procedure for updating NOCSAE program fees and includes information related to new late fee policy.</p> <p>Added Section 30.15 Quality Assurance Fees</p> <p>Added Section 30.16 Miscellaneous Fees</p> <p>Form 30B Added question for football faceguard submissions: Does the design require the Rigid Mount Deformation Test?</p> |
|                   | Section 31                                                                          | <p>Updated to current edition ASTM F3077-21</p> <p>Updated fees</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                   | Section 32                                                                          | Revised to reflect new pricing structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Approved 10.31.22 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Revision Date | Section / Subsection | Description of Revision                                                                                                                                                                                                                             |
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| 1.12.22       | Section 6            | Upon CCP approval, the following standard edition dates were updated:<br>ASTM F2530-13 (R2020)<br>NFPA 1977-2022<br>NFPA 1984-2022<br>NFPA 1990-2022<br>NOCSAE ND022-21<br>NOCSAE ND024-21<br>NOCSAE ND029-21<br>NOCSAE ND072-21<br>NOCSAE ND200-21 |
|               | Section 7            | Updated fees based on October 18, 2021 notice to Participants<br><br>Updated auditor company information and fees                                                                                                                                   |
|               | Section 8            | Corrected section numbering and associated form numbers (Section 8.1 was missing in previous edition).                                                                                                                                              |
|               | Section 9.1          | In item #24, removed reference to Gas Detector Tube program.                                                                                                                                                                                        |
|               | Section 10           | 10.1.C and 10.1.J(3): Removed reference to Gas Detector Tube program.                                                                                                                                                                               |
|               | Section 11.10        | Added note to indicate that relevant documentation shall be made available to the auditor in English.                                                                                                                                               |
|               | Section 13B          | Incorporated revisions to Checklist 30E (see below) into complete NOCSAE Audit Checklist                                                                                                                                                            |
|               | Section 15.0 J       | Editorial – corrected number associated with payment terms from 30 to 10 to match word “ten”.                                                                                                                                                       |
|               | Section 16.1 A       | Revised terms of notification of withdrawal to match terms in Manufacturer’s Agreement Section 6 a.                                                                                                                                                 |
|               | Section 17           | Section 17.2: Re-added sections A – D on use of the mark and examples.<br><br>Section 17.9: Removed outdated language.                                                                                                                              |
|               | Section 20           | Removed all sections and references to Gas Detector Tube Unit program.<br><br>20.4: Updated fees based on October 18, 2021 notice to Participants                                                                                                   |
|               | Section 21.4         | Updated fees based on October 18, 2021 notice to Participants                                                                                                                                                                                       |
|               | Section 22.4         | Updated fees based on October 18, 2021 notice to Participants                                                                                                                                                                                       |
|               | Section 23           | Removed all sections and references to Industrial Bump Cap program and NIJ Riot Helmet/Face shield programs.<br><br>23.4: Updated fees based on October 18, 2021 notice to Participants                                                             |
|               | Section 24.4         | Updated fees based on October 18, 2021 notice to Participants                                                                                                                                                                                       |
|               | Section 25           | 25.0: Updated edition dates for newly revised standard<br><br>25.4: Updated fees based on October 18, 2021 notice to Participants                                                                                                                   |

|                  |                                                                                     |                                                                                                                                                                                                                                                                                               |
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|                  | Section 26                                                                          | Removed all sections and references to High-Visibility Safety Apparel programs.<br><br>26.4: Updated fees based on October 18, 2021 notice to Participants                                                                                                                                    |
|                  | Section 27                                                                          | Removed sections and references for several non-active programs.<br><br>27.0: Updated edition dates for newly revised standard<br><br>27.4: Updated fees based on October 18, 2021 notice to Participants                                                                                     |
|                  | Section 28                                                                          | Updated all references to list NFPA 1990-2022 and eliminate 1991, 1992, 1994, as these documents are now combined under 1990.<br><br>28.4: Updated fees based on October 18, 2021 notice to Participants                                                                                      |
|                  | Section 29.4                                                                        | Updated fees based on October 18, 2021 notice to Participants                                                                                                                                                                                                                                 |
|                  | Section 30                                                                          | 30.0: Updated edition dates for newly revised standards<br><br>30.12: Updated fees based on October 18, 2021 notice to Participants<br><br>Checklist 30E: Clarification language and additional questions added to several sections (same revisions incorporated into Checklists 30C and 30D) |
|                  | Section 31.4                                                                        | Updated fees based on October 18, 2021 notice to Participants                                                                                                                                                                                                                                 |
|                  | Section 32.4                                                                        | Updated fees based on October 18, 2021 notice to Participants                                                                                                                                                                                                                                 |
| Approval 2.11.22 |  |                                                                                                                                                                                                                                                                                               |
|                  |                                                                                     |                                                                                                                                                                                                                                                                                               |

| Revision Date          | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                                    |
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|                        | Section 6                                                                           | Upon CCP approval, the following standard edition dates were updated: CSA Z94.1, NIJ 1001, NFPA 1801, NFPA 1952, and NFPA 1953.                                                                                                                            |
|                        | Section 7                                                                           | Participation Fees were updated for 2021 – NOTE: The fees were not increased for 2021.<br><br>Added a fee for an optional private label certification fee to be addressed to the private label company.                                                    |
|                        | Section 8                                                                           | Updated Section 8.3 (Private Labels) to include an option to address the certification letter to the private label company.<br><br>Updated Form 8.3 (Private Label) to include an option to address the certification letter to the private label company. |
|                        | Section 11                                                                          | Added clarification language to Section 11.2.2 for surveillance audit requirements.<br><br>Updated Sections 11.7 and 11.11.2 to revise the noncompliance response time from six (6) weeks to four (4) weeks.                                               |
|                        | Section 12                                                                          | Updated Section 12.1 (I) to revise the noncompliance response time from six (6) weeks to four (4) weeks.                                                                                                                                                   |
|                        | Section 23                                                                          | Upon CCP approval, updated the edition date for CSA Z94.1                                                                                                                                                                                                  |
|                        | Section 24                                                                          | Upon CCP approval, updated the edition date for NFPA 1801                                                                                                                                                                                                  |
|                        | Section 25                                                                          | Upon CCP approval, updated the edition date for NFPA 1952 and NFPA 1953                                                                                                                                                                                    |
|                        | Section 32                                                                          | Upon CCP approval, updated the edition date for NIJ 1001                                                                                                                                                                                                   |
|                        |                                                                                     | .                                                                                                                                                                                                                                                          |
| Approval<br>01.22.2021 |  |                                                                                                                                                                                                                                                            |
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| Revision Date          | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                                                                                                                                                                                          |
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|                        | Section 4                                                                           | Added two new sections under obligations for Manufacturers, Section 4.1 B (program scheme owner agreement) and M (location for disputes).<br><br>Added clarification language under obligations for SEI, Section 4.4 E, F (pending fees), G (added suspension or withdrawal), H (convene CCP or appeals board for disputes), L (confidentiality)                                                                 |
|                        | Section 6                                                                           | Upon CCP approval, the following standard edition dates were updated: ANSI/ISEA Z87.1, ASTM E3215, CAN/CSA Z94.3, NFPA 1951, NOCSAE ND022, and NOCSAE ND200.<br><br>Due to program inactivity the following standards were removed: ANSI/ISEA 107, ASTM F887, ASTM F1447, ASTM F1492, ASTM F1506, ASTM F2438, ASTM F2530, ASTM F3164, CAN/CSA Z96, CAN/CGSB 15, NIJ 0104.02, NIJ 0116.00, CPSC 16 CFR Part 1203. |
|                        | Section 7                                                                           | Added clarification language to legal counsel fees under the Miscellaneous category of fees                                                                                                                                                                                                                                                                                                                      |
|                        | Section 16                                                                          | Reorganized content and added clarification language for withdrawal process. Also added language to suspend certification.                                                                                                                                                                                                                                                                                       |
|                        | Section 17                                                                          | Reorganized content and added clarification language for the Use of the Mark.                                                                                                                                                                                                                                                                                                                                    |
|                        | Section 18                                                                          | Reorganized content and added clarification language for recall process.                                                                                                                                                                                                                                                                                                                                         |
|                        | Section 19                                                                          | Reorganized content and added clarification language for complaints and appeals process.                                                                                                                                                                                                                                                                                                                         |
|                        | Program Sections 21, 25, 30, and 32                                                 | Upon CCP approval, the following standard edition dates were updated: ANSI/ISEA Z87.1, ASTM E3215, CAN/CSA Z94.3, NFPA 1951, NOCSAE ND022, and NOCSAE ND200.                                                                                                                                                                                                                                                     |
|                        | Program Sections 22, 23, 26, 27, 28, and 29                                         | Due to program inactivity the following standards were removed: ANSI/ISEA Z87.1, ASTM F887, ASTM F1447, ASTM F1492, ASTM F1506, ASTM F2530, ASTM F3164, CAN/CSA Z96, NIJ 0104.02, NIJ 0116.00, CPSC 16 CFR Part 1203.                                                                                                                                                                                            |
| Approval<br>05.20.2020 |  |                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|                   | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                          |
|-------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | Section 6                                                                           | Updated with new standards and current standard revisions                                                                                                                                                                                        |
|                   | Section 7                                                                           | Updated 2020 annual participation category fees and added an annual fee for private label applications                                                                                                                                           |
|                   | Section 8, Form 8.3                                                                 | Updated private label process to include annual submittals                                                                                                                                                                                       |
|                   | Section 9                                                                           | Added a new lab to Sample Selection Form                                                                                                                                                                                                         |
|                   | Section 10                                                                          | Added clarifying language to product testing procedures.                                                                                                                                                                                         |
|                   | Section 11                                                                          | Updated audit checklist descriptions to include NOCSAE QC/QA protocol requirements                                                                                                                                                               |
|                   | Section 12                                                                          | Added clarifying language for the term manufacturer and to Audits conducted outside of North America                                                                                                                                             |
|                   | Section 13A, 13B                                                                    | Created a separate audit checklist for the NOCSAE Athletic Equipment Program                                                                                                                                                                     |
|                   | Program Sections 22, 23, 25, 26, 27, 28, and 29                                     | Updated program sections with new standards and/or current standard revision dates. Included program codes and model definitions for new standards. Included applicable label and user guide checklist updates.                                  |
|                   | Program Section 30                                                                  | Updated QC/QA protocol requirements to include a pre-approval process for accepting participant quality plans, including associated fees. Also renamed the SEI NOCSAE Manufacturer's Agreement (no changes were made to the agreement language). |
|                   | Program Section 32                                                                  | Added new program, model definition and label and user guide checklist for less lethal aerosols.                                                                                                                                                 |
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| Approval 11.15.19 |  |                                                                                                                                                                                                                                                  |
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| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                                                                                                |
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|                   | Section 6                                                                           | Update revision dates for ASTM F1506, ASTM F2413, ASTM F2681, ASTM F3077, NFPA 1981, NFPA 1982, NOCSAE ND022, NOCSAE ND024, NOCSAE ND027, NOCSAE ND 029, NOCSAE ND072, and NOCSAE ND200                                                                                                                                |
|                   | Section 7                                                                           | Updated annual participation fees, miscellaneous fees and auditor fees.                                                                                                                                                                                                                                                |
|                   | Section 8                                                                           | Added clarification language for annual certification. Added clarification language for stopping/cancelling a certification project. Updated Form 8.5 Stop/Cancel Certification.                                                                                                                                       |
|                   | Section 10                                                                          | Added clarification language for annual certification.                                                                                                                                                                                                                                                                 |
|                   | Section 11                                                                          | Added clarification language for surveillance audits. Removed language referring to equipment calibrations.                                                                                                                                                                                                            |
|                   | Section 26                                                                          | Updated ASTM F2413 with new revision date. Reference Form 8.0 Certification Submittal Form. Updated certification model fees.                                                                                                                                                                                          |
|                   | Sections 27                                                                         | Updated ASTM F2681 with new revision date. Reference Form 8.0 Certification Submittal Form. Updated certification model fees.                                                                                                                                                                                          |
|                   | Section 29                                                                          | Updated ASTM F1506 with new revision date. Reference Form 8.0 Certification Submittal Form. Updated certification model fees.                                                                                                                                                                                          |
|                   | Section 30                                                                          | Updated NOCSAE ND022, 024, 027, 029, 072, and 200 with new revision date. Updated program codes for chest protectors; baseball and lacrosse. Added new section for Certification Testing; sample retention policy language and language for annual certification testing parameters. Updated certification model fees. |
|                   | Section 31                                                                          | Updated ASTM F3077 with new revision date. Reference Form 8.0 Certification Submittal Form. Updated certification model fees.                                                                                                                                                                                          |
|                   | Sections 20 – 25, 28, 32                                                            | Reference 8.0 Certification Submittal Form. Updated certification model fees.                                                                                                                                                                                                                                          |
| Approval 10.17.18 |  |                                                                                                                                                                                                                                                                                                                        |
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| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | Section 1                                                                           | Broadened Purpose statement                                                                                                                             |
|                   | Section 2                                                                           | Expanded scope to include safety products beyond PPE                                                                                                    |
|                   | Section 6                                                                           | Removed Chesapeake Labs from ASTM F3077, NIJ 0117.00, NIJ 0117.01 and NIJ 1001.00 now fall under Program Section 32                                     |
|                   | Section 17                                                                          | Added clarification language to Section 17.3(A)                                                                                                         |
|                   | Section 18, Form 18.1                                                               | Revised Recall Policy Evaluation Checklist to add a checkbox for "Added Approval Date in SEI Database" (for internal use only)                          |
|                   | Section 26                                                                          | Removed the following standards; NIJ 0117.00, NIJ0117.01, and NIJ 1001.00                                                                               |
|                   | Section 30                                                                          | Revised Remote HQ Audit Checklist to include additional audit contact information. Added model definition for chest protectors for commotio cordis      |
|                   | Section 32                                                                          | Created to new program section for Law Enforcement Protective Equipment that includes the following standards; NIJ 0117.00, NIJ0117.01, and NIJ 1001.00 |
| Approval 01.15.18 |  |                                                                                                                                                         |
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| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                                            |
|-------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10.13.17          | Section 4                                                                           | Added clarification language to Section 4.1.K.                                                                                                                                                                                                                     |
| 10.13.17          | Section 6                                                                           | Updated standard edition dates, Added NOCSAE Commotio Cordis Standard, Removed inactive program standards.                                                                                                                                                         |
| 10.13.17          | Section 7                                                                           | Updated annual participation fees, added new auditor / auditor fees for Roger Sabo, added fee for excess audit hours spent on noncompliance corrective action reviews.                                                                                             |
| 10.13.17          | Section 8, Form 8.3                                                                 | Revised form for private label submittals                                                                                                                                                                                                                          |
| 10.13.17          | Section 11                                                                          | Added clarification language for product traceability.                                                                                                                                                                                                             |
| 10.13.17          | Section 13                                                                          | Added reference terminology for ISO 9001:2015                                                                                                                                                                                                                      |
| 10.13.17          | Section 15                                                                          | Added clarification language for NOCSAE noncompliances.                                                                                                                                                                                                            |
| 10.13.17          | Section 18                                                                          | Added language for recalls regulated by a Canadian regulatory body.                                                                                                                                                                                                |
| 10.13.17          | Section 20                                                                          | Updated ASTM E2952 edition date.                                                                                                                                                                                                                                   |
| 10.13.17          | Section 22                                                                          | Updated edition dates for ASTM F887, CAN/CSA Z259.2.2, CAN/CSA Z259.2.5. Removed CAN/CSA Z259.1                                                                                                                                                                    |
| 10.13.17          | Section 24                                                                          | Updated NFPA 1801 edition date.                                                                                                                                                                                                                                    |
| 10.13.17          | Section 25                                                                          | Updated edition dates for NFPA 1971 and NFPA 1999. Updated product codes for NFPA 1999. Updated LUT Checklists for NFPA 1971 and NFPA 1999.                                                                                                                        |
| 10.13.17          | Section 26                                                                          | Removed ANSI/ISEA 101                                                                                                                                                                                                                                              |
| 10.13.17          | Section 27                                                                          | Updated edition date for ASTM F1937. Removed ASTM F1776.                                                                                                                                                                                                           |
| 10.13.17          | Section 28                                                                          | Updated edition dates for NFPA 1992 and NFPA 1994. Updated LUT checklists for NFPA 1992 and NFPA 1994. Removed ISO 16602.                                                                                                                                          |
| 10.13.17          | Section 29                                                                          | Updated edition date for NFPA 2112. Removed LUT checklists for NFPA 2112 and ASTM F1506.                                                                                                                                                                           |
| 10.13.17          | Section 30                                                                          | Updated edition dates for several NOCSAE standards, Added Commotio Cordis standard, Revised Submittal Form, Increased Class I and Class II application fees, added language to all product model definitions to include labels and markings as primary components. |
| Approval 10.13.17 |  |                                                                                                                                                                                                                                                                    |
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| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 02.14.17          | Section 4                                                                           | Revised Board of Directors language to Committee on Certification Programs (CCP).                                                                                                                                                                                     |
| 02.14.17          | Section 6                                                                           | Updated standard edition dates, Added NOCSAE Field Hockey Standards and ASTM Ice Hockey Standards.                                                                                                                                                                    |
| 02.14.17          | Section 7                                                                           | Updated annual participation fees.                                                                                                                                                                                                                                    |
| 02.14.17          | Section 8                                                                           | Added clarification language to Section 8.3, Updated Form 8.0 with SCC Accreditation Language, Updated Forms 8.3 and 8.5 with SEI Header.                                                                                                                             |
| 02.14.17          | Section 9                                                                           | Added clarification language to Section 9.1, Updated Sample Selection Form.                                                                                                                                                                                           |
| 02.14.17          | Section 10                                                                          | Added clarification language to Section 10.2.                                                                                                                                                                                                                         |
| 02.14.17          | Section 12                                                                          | Updated Form 12.1 with SEI Header.                                                                                                                                                                                                                                    |
| 02.14.17          | Section 16                                                                          | Updated Forms 16.3, 16.4 and 16.5 with SEI Header and SEI Contact Information in Section 2.                                                                                                                                                                           |
| 02.14.17          | Section 17                                                                          | Added clarification language to Sections 17.1, 17.7, 17.8, Added Section 7.7.1, Revised Section 17.9 to remove SEI NOCSAE marks and instead reference NOCSAE standards.                                                                                               |
| 02.14.17          | Section 18                                                                          | Updated Form 18.1 with SEI Header.                                                                                                                                                                                                                                    |
| 02.14.17          | Section 19                                                                          | Revised Board of Directors language to Committee on Certification Programs (CCP).                                                                                                                                                                                     |
| 02.14.17          | Sections 21                                                                         | Updated Components & Materials Form with CAN/CSA Z94.3 edition date.                                                                                                                                                                                                  |
| 02.14.17          | Section 22                                                                          | Updated program section with CAN/CSA Z259.12 edition date.                                                                                                                                                                                                            |
| 02.14.17          | Section 23                                                                          | Updated program section with CAN/CSA Z94.1 edition date.                                                                                                                                                                                                              |
| 02.14.17          | Section 26                                                                          | Updated program section with CAN/CSA Z96 edition date, Added reference code for NIJ 1001.                                                                                                                                                                             |
| 02.14.17          | Section 27                                                                          | Updated program section with ASTM F1492 edition date.                                                                                                                                                                                                                 |
| 02.14.17          | Section 30                                                                          | Updated program section with NOCSAE 049 edition date, Added NOCSAE 061, NOCSAE 069 and NOCSA 015. Added reference codes for field hockey and hardware standards. Added QC/QA information for Field Hockey and Hardware standards. Added Chesapeake to Submittal Form. |
| 02.14.17          | Section 31                                                                          | Updated program section with reference code for ASTM F3137, Added language to Model Definition Sections for ASTM F3077 and ASTM F3137.                                                                                                                                |
| Approval 02.14.17 |  |                                                                                                                                                                                                                                                                       |
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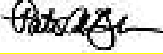
| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09.01.16          | Section 3                                                                           | Added clarification language for insurance requirements.                                                                                                                                |
| 09.01.16          | Section 4                                                                           | Added insurance requirement language to Section 4.1.                                                                                                                                    |
| 09.01.16          | Section 5                                                                           | Revised Board of Directors language to Committee on Certification Programs (CCP)                                                                                                        |
| 09.01.16          | Section 6                                                                           | Updated standard edition dates, Added Chesapeake Testing Lab.                                                                                                                           |
| 09.01.16          | Section 7                                                                           | Added flat rate participant fees for NOCSAE football players hand covering participants and soccer shin guard participants. Updated Intertek auditor fees. Clarified remote audit fees. |
| 09.01.16          | Section 9                                                                           | Added clarifying language to Section 9.0 (A)                                                                                                                                            |
| 09.01.16          | Section 10                                                                          | Added CCP language.                                                                                                                                                                     |
| 09.01.16          | Section 15                                                                          | Added CCP language.                                                                                                                                                                     |
| 09.01.16          | Sections 20-31                                                                      | Removed test fees from the CPM. Test fees will now be maintained on the SEI website. A notation of this change was indicated in each program section.                                   |
| 09.01.16          | Section 26                                                                          | Added NIJ 0117.01-2016.                                                                                                                                                                 |
| 09.01.16          | Section 27                                                                          | Removed ASTM F3077 (now included in Section 31). Updated the edition date of ASTM F1776.                                                                                                |
| 09.01.16          | Section 29                                                                          | Updated edition date of ASTM F1506.                                                                                                                                                     |
| 09.01.16          | Section 31                                                                          | Added a new program section for lacrosse equipment.                                                                                                                                     |
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| Approval 09.01.16 |  |                                                                                                                                                                                         |
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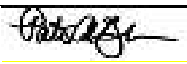
| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                                                                                              |
|-------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 02.14.16          | Sections 1-19                                                                       | Removed forms from core sections and created Adobe Forms                                                                                                                                                                                             |
| 02.14.16          | Section 3                                                                           | Updated language per ANSI and SCC accreditation audit                                                                                                                                                                                                |
| 02.14.16          | Section 4                                                                           | Updated language per ANSI and SCC accreditation audit                                                                                                                                                                                                |
| 02.14.16          | Section 6                                                                           | Updated list of standards. Removed modification dates from NOCSAE standard references.                                                                                                                                                               |
| 02.14.16          | Section 7                                                                           | Updated annual participation fees and list of auditors                                                                                                                                                                                               |
| 02.14.16          | Section 8                                                                           | Reverted Private Label section to April 2014 CPM language. Added Section for cancellation / Suspension of certification. Updated Submittal Form to include different return sample options (also updated respective program section submittal forms) |
| 02.14.16          | Section 11                                                                          | Updated language per ANSI and SCC accreditation audit                                                                                                                                                                                                |
| 2.14.15           | Section 21                                                                          | Updated ANSI/ISEA Z87.1 edition and fees and CAN/CSA Z94.3 edition and fees                                                                                                                                                                          |
| 2.14.16           | Section 22                                                                          | Updated program test fees                                                                                                                                                                                                                            |
| 02.14.16          | Section 25                                                                          | Updated NFPA 1977 edition and fees, included NFPA 1953                                                                                                                                                                                               |
| 02.14.16          | Section 27                                                                          | Updated ASTM F1163 edition, ASTM F1492 edition, included fees for ASTM F2713 and ASTM F3077                                                                                                                                                          |
| 02.14.16          | Section 28                                                                          | Updated NFPA1991 edition and fees                                                                                                                                                                                                                    |
| 02.14.16          | Section 29                                                                          | Updated ArcWear NFPA 2112 fees                                                                                                                                                                                                                       |
| 02.14.16          | Section 30                                                                          | Updated NOCSAE edition dates, submittal form, remote audit checklist and Manufacturers Agreement                                                                                                                                                     |
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| Approval 02.14.16 |  |                                                                                                                                                                                                                                                      |
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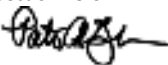
| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 07.07.15          | Section 6                                                                           | Updated all SEI Board of Directors approved standard revisions and reaffirmed standards                                                                                     |
| 07.07.15          | Section 17                                                                          | Updated information regarding the CE Mark and SEI NOCSAE Mark                                                                                                               |
| 07.07.15          | Section 20                                                                          | Added program codes                                                                                                                                                         |
| 07.07.15          | Section 21                                                                          | Added program codes<br>Updated ANSI/ISEA Z358.1 and CAN/CSA Z94.3                                                                                                           |
| 07.07.15          | Section 22                                                                          | Added program codes<br>Updated CAN/CSA Z259.11 and ANSI/ASSE Z359.14<br>Added ANSI/ASSE Z359.11 and ANSI/ASSE Z359.15                                                       |
| 07.07.15          | Section 23                                                                          | Added program codes<br>Update CAN/CSA Z94.1                                                                                                                                 |
| 07.07.15          | Section 24                                                                          | Added program codes<br>Updated NFPA 1936                                                                                                                                    |
| 07.07.15          | Section 25                                                                          | Added program codes<br>Updated NFPA 1952<br>Added ArcWear test fees for NFPA 1977 (garments) and NFPA 1975                                                                  |
| 07.07.15          | Section 26                                                                          | Added program codes<br>Updated ANSI/ISEA 101 and CAN/CSA Z96                                                                                                                |
| 07.07.15          | Section 27                                                                          | Updated ASTM F1163, ASTM F2681, CAN/CSA Z263.1<br>Added ASTM F2713 and ASTM F3077                                                                                           |
| 07.07.15          | Section 29                                                                          | Added ArcWear test fees for NFPA 2112                                                                                                                                       |
| 07.07.15          | Section 30                                                                          | Updated NOCSAE standard editions for ND029, ND072, ND019<br>Removed Section 30.12 as a reference for surcharge fees<br>Revised 30A Submittal Form (Issue 2 is current form) |
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| Approval 07.07.15 |  |                                                                                                                                                                             |
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| Revision Date     | Section / Subsection                                                                | Description of Revision                                                                                                                                                                        |
|-------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01.06.15          | Section 4                                                                           | Added language to Section 4.1 Manufacturers Obligations                                                                                                                                        |
| 01.06.15          | Section 6                                                                           | Added NIJ 10001 Standard, Added ASTM E2952, Updated NOCSAE standard revisions and modification dates                                                                                           |
| 01.06.15          | Section 11                                                                          | Added language to Section 11.10 (O) Complaints and Corrective & Preventative Actions                                                                                                           |
| 01.06.15          | Section 13                                                                          | Added language specific to NOCSAE quality audits                                                                                                                                               |
| 01.06.15          | Section 17                                                                          | Added language specific to NOCSAE logo and SEI mark                                                                                                                                            |
| 01.06.15          | Section 19                                                                          | Added clarification language                                                                                                                                                                   |
| 01.06.15          | Section 20                                                                          | Added updated pricing for ANSI / ISEA 102-1990 (R2009)                                                                                                                                         |
| 01.06.15          | Section 22                                                                          | Removed CAN/CSA Z259.2.1-98 and added CAN/CSA Z259.2.5-12                                                                                                                                      |
| 01.06.15          | Section 25                                                                          | Added NFPA 1977 pricing for Chain saw protectors                                                                                                                                               |
| 01.06.15          | Section 26                                                                          | Added NIJ1001.00                                                                                                                                                                               |
| 01.06.15          | Section 27                                                                          | Added new section for program codes, moved all laboratory test fee plans to end of section with program forms.                                                                                 |
| 01.06.15          | Section 29                                                                          | Added new section for program codes, moved all laboratory test fee plans to end of section with program forms.                                                                                 |
| 01.06.15          | Section 30                                                                          | Updated standard revision and modification dates, revised Section 30.5 including name change, changed name of Section 30.6, added clarification language to Section 30.9 (B) audit procedures. |
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| Approval 01.06.15 |  |                                                                                                                                                                                                |
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| Revision Date   | Section/<br>Subsection                                                             | Description of Revision                                                                                                                                         |
|-----------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9/9/14          | Section 6                                                                          | New edition dates for ANSI head protection and CSA footwear standards                                                                                           |
| 9/9/14          | Section 7                                                                          | Updated annual participation fees for 2015                                                                                                                      |
| 9/9/14          | Section 8                                                                          | Clarification on Private Label Certification Requirements                                                                                                       |
| 9/9/14          | Section 15                                                                         | Revisions to NOCSAE noncompliance categories and complaints received by SEI regarding SEI certified products                                                    |
| 9/9/14          | Section 16                                                                         | Revisions to voluntary and involuntary withdrawal of certification                                                                                              |
| 9/9/14          | Section 18                                                                         | Revisions to recall policy and SEI requested recall                                                                                                             |
| 9/9/14          | Section 20                                                                         | Updated revision and pricing for ASTM E2952                                                                                                                     |
| 9/9/14          | Section 23                                                                         | Updated revision and pricing for ANSI/ISEA Z89.1                                                                                                                |
| 9/9/14          | Section 25                                                                         | Corrected NFPA 1977 protective work glove noncompliance categories                                                                                              |
| 9/9/14          | Section 26                                                                         | Added a label checklist for ASTM F2413-2011                                                                                                                     |
| 9/9/14          | Section 27                                                                         | Corrected ASTM F1163 pricing                                                                                                                                    |
| 9/9/14          | Section 29                                                                         | Added language to ASTM F1506 test plan (re: frequency of arc testing) and corrected NFPA 2112 pricing.                                                          |
| 9/9/14          | Section 30                                                                         | Revisions to certification language and test fees, added language for audit procedures, added laboratory pricing, and added SEI NOCSAE Manufacturer's Agreement |
|                 |                                                                                    |                                                                                                                                                                 |
| Approval 9/9/14 |  |                                                                                                                                                                 |
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| Revision Date   | Section / Subsection                                                                | Description of Revision                                                                         |
|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 4/1/14          | Section 4                                                                           | Added requirements for Use of SEI logo and certification document to manufacturer obligations   |
|                 |                                                                                     | Clarified requirement language under SEI obligations                                            |
| 4/1/14          | Section 6                                                                           | Added ASTM F1506 and ArcWear laboratory                                                         |
|                 |                                                                                     | Added NOCSAE Standards and ICS, Intertek, SIRC laboratories                                     |
| 4/1/14          | Section 7                                                                           | Updated annual participation fees                                                               |
|                 |                                                                                     | Clarified 10% surcharge added to audit costs                                                    |
| 4/1/14          | Section 9                                                                           | Added ICS and ArcWear laboratories to Sample Submittal Form                                     |
| 4/1/14          | Section 11                                                                          | Clarified language in Inspection and Testing section                                            |
| 4/1/14          | Section 15                                                                          | Added definitions for NOCSAE nonconformities                                                    |
| 4/1/14          | Section 17                                                                          | Added SEI-NOCSAE marks                                                                          |
| 4/1/14          | Section 21                                                                          | Added ICS test plan for ANSI Z87.1 and CAN/CSA Z94.3                                            |
| 4/1/14          | Section 23                                                                          | Added ICS and Colts test plans for ANSI Z89.1. and ANSI Z94.1                                   |
| 4/1/14          | Section 25                                                                          | Added noncompliance attributes for NFPA 1971 helmets, gloves, garments                          |
|                 |                                                                                     | Added noncompliance attributes for NFPA 1977 garments, gloves, footwear                         |
|                 |                                                                                     | Added noncompliance attributes for NFPA 1951 Utility & Rescue and Recovery goggles and helmets. |
| 4/1/14          | Section 26                                                                          | Updated fees for ASTM F2413                                                                     |
|                 |                                                                                     | Removed Intertek test plan for ANSI 107                                                         |
| 4/1/14          | Section 27                                                                          | Updated certification fees                                                                      |
| 4/1/14          | Section 29                                                                          | Added language for component certification                                                      |
|                 |                                                                                     | Added ASTM F1506                                                                                |
|                 |                                                                                     | Added ArcWear test plan for ASTM F1506                                                          |
| 4/1/14          | Section 30                                                                          | New program section for NOCSAE Athletic Equipment                                               |
| Approval 4/1/14 |  |                                                                                                 |
|                 |                                                                                     |                                                                                                 |
|                 |                                                                                     |                                                                                                 |

| Revision Date               | Section/ Subsection                                                                 | Description of Revision                                                                      |
|-----------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 7/31/13                     | Section 6                                                                           | Added ANSI/ASSE Z359.14-2012                                                                 |
|                             |                                                                                     | Added Colts lab for ANSI/ASEA Z89.1                                                          |
|                             |                                                                                     | Added TBD lab for ASTM F1776                                                                 |
|                             |                                                                                     | Added NFPA 1981                                                                              |
|                             |                                                                                     | Added NFPA 1982                                                                              |
|                             |                                                                                     | Added AS/NZS 4067-2012                                                                       |
|                             |                                                                                     | Added ASTM F1446-12                                                                          |
|                             |                                                                                     | Added Intertek lab for ASTM F1937                                                            |
|                             |                                                                                     | Added Intertek lab for ASTM F2681                                                            |
|                             |                                                                                     | Added Inspec lab for CAN/CSA Z259                                                            |
|                             |                                                                                     | Added NFPA 1999-2013                                                                         |
| 7/31/13                     | Section 7                                                                           | Updated auditor list                                                                         |
| 7/31/13                     | Section 9                                                                           | Added language to section 9.0 Sample Submittal Procedures for Annual Recertification Testing |
|                             |                                                                                     | Added language to Section 9.1 Responsibility and Work Flow Activities                        |
|                             |                                                                                     | Added test matrix as an option for sample selection                                          |
| 7/31/13                     | Section 11                                                                          | Added critical supplier language                                                             |
|                             |                                                                                     | Added language to Section 11.10.1 E Design Control and Change                                |
| 7/31/13                     | Section 17                                                                          | Added language for use of SEI Mark for NFPA standards                                        |
| 7/31/13                     | Section 21                                                                          | Added ANSI Z87.1 and ANSI Z94.3                                                              |
| 7/31/13                     | Section 22                                                                          | Added ANSI/ASSE Z359.14-12, included Section 22.8, ANSI Z259.##                              |
| 7/31/13                     | Section 23                                                                          | Added a new certification fee, Colts fees for ANSI Z89.1 and Z94                             |
| 7/31/13                     | Section 25                                                                          | Added fees for NFPA 1999 – 2013, Updated LUT for NFPA 1951 and NFPA 1999, Removed NFPA 2112  |
| 7/31/13                     | Section 26                                                                          | Added NIJ 0117                                                                               |
| 7/31/13                     | Section 27                                                                          | Updated Intertek fees for ASTM F1447-2012                                                    |
| 7/31/13                     | Section 29                                                                          | Added new section for Industrial PPE, includes NFPA 2112                                     |
| <b>Approval:</b><br>7/31/13 |  |                                                                                              |
|                             |                                                                                     |                                                                                              |
|                             |                                                                                     |                                                                                              |
|                             |                                                                                     |                                                                                              |
|                             |                                                                                     |                                                                                              |
|                             |                                                                                     |                                                                                              |

| Revision Date              | Section/<br>Subsection                                                              | Description of Revision                                                                                        |
|----------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1/9/13                     | Section 6                                                                           | Added/updated new standards                                                                                    |
| 1/9/13                     | Section 7                                                                           | Updated Participation Fees                                                                                     |
| 1/9/13                     | Section 9.1                                                                         | Added: samples must be manufactured within last nine months, and verify by initialing column of SSF            |
| 1/9/13                     | Section 11                                                                          | Audit frequency specified by standard, updated references                                                      |
| 1/9/13                     | Section 17.2                                                                        | Added example of correct use of mark                                                                           |
| 1/9/13                     | Testing Fee sections                                                                | Added informational note due to relocating program test fees from CPM contents to separate sections on website |
| 1/9/13                     | Section 22.0; 22.5; 22.9                                                            | Updated names and editions of standards                                                                        |
| 1/9/13                     | Section 22.3; 22.5; 22.9                                                            | Updated fees                                                                                                   |
| 1/9/13                     | Section 22 C                                                                        | Added label & user info checklist                                                                              |
| 1/9/13                     | Section 24.4                                                                        | Updated NFPA 1983 Matrix                                                                                       |
| 1/9/13                     | Section 24 C                                                                        | Added label & user info checklist                                                                              |
| 1/9/13                     | Section 25.4                                                                        | Updated edition and fees; added Available by quote; updated Sample Requirements                                |
| 1/9/13                     | Section 25.7                                                                        | Updated fees                                                                                                   |
| 1/9/13                     | Section 25.9                                                                        | Updated edition and fees                                                                                       |
| 1/9/13                     | Section 25 C                                                                        | Added label & user info checklist                                                                              |
| 1/9/13                     | Section 26.5                                                                        | Updated ASTM F2413-11 edition and fees                                                                         |
| 1/9/13                     | Section 26.9                                                                        | Added NIJ 0117.00 Standard                                                                                     |
| 1/9/13                     | Section 28.3                                                                        | Updated fees                                                                                                   |
| 1/9/13                     | Section 28 C                                                                        | Added label & user info checklist                                                                              |
| <b>Approval:</b><br>1/9/13 |  |                                                                                                                |

| Table of Contents                                        | Revision Date |
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| 1. Purpose and Goal                                      | 01.15.18      |
| 2. Scope                                                 | 11.05.2025    |
| 3. Manufacturer's Agreement                              | 11.15.2023    |
| 4. Obligations Under the Program                         | 05.20.2020    |
| 5. Selection of Standards                                | 09.01.16      |
| 6. Standards & Laboratories List                         | 09.10.2026    |
| 7. Annual Participation, Audit and Miscellaneous Fees    | 09.10.2026    |
| 8. Certification Process                                 | 09.10.2026    |
| 9. Sample Selection                                      | 02.11.2022    |
| 10. Product Testing                                      | 09.10.2026    |
| 11. Quality Assurance                                    | 02.11.2022    |
| 12. Audit Procedures                                     | 01.22.2021    |
| 13A. Audit Checklist                                     | 11.15.19      |
| 13B. Audit Checklist – NOCSAE Athletic Equipment Program | 02.11.2022    |
| 14. Product Changes                                      | 01.12.2012    |
| 15. Nonconformance/Departure Procedures                  | 02.11.2022    |
| 16. Suspension or Withdrawal of Certification            | 09.10.2026    |
| 17. Use of SEI Certification Mark                        | 02.11.2022    |
| 18. Recall Procedures                                    | 05.20.2020    |
| 19. Complaints & Appeals                                 | 11.15.2023    |

| Program Sections                                                                                                                                                               |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 20. ANSI Instruments & Escape Respirators Program                                                                                                                              | 12.20.2024 |
| <ul style="list-style-type: none"> <li>ASTM E2952 Respiratory Protective Escape Devices</li> </ul>                                                                             |            |
| 21. Eye and Face Protection Program                                                                                                                                            | 09.10.2026 |
| <ul style="list-style-type: none"> <li>ANSI-ISEA Z87.1 Eye &amp; Face Protection</li> <li>ANSI-ISEA Z358.1 Eyewash</li> <li>CAN-CSA Z94.3 Eye &amp; Face Protection</li> </ul> |            |

| Program Sections                                                                                                                                                                                                                                                                                                                                                                                   | Revision Date     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>22. Fall Protection Program</b>                                                                                                                                                                                                                                                                                                                                                                 | <b>12.20.2024</b> |
| <ul style="list-style-type: none"> <li>CAN/CSA Z259.10/.2.5/.2.2/.11/.12 Fall Protection</li> <li>NFPA 1983 Rope</li> </ul>                                                                                                                                                                                                                                                                        |                   |
| <b>23. Head Protection Program</b>                                                                                                                                                                                                                                                                                                                                                                 | <b>09.10.2026</b> |
| <ul style="list-style-type: none"> <li>ANSI/ISEA Z89.1 Hard Hats</li> <li>CAN/CSA Z94.1 Hard Hats</li> </ul>                                                                                                                                                                                                                                                                                       |                   |
| <b>24. NFPA Electronics &amp; Rescue Tools Program</b>                                                                                                                                                                                                                                                                                                                                             | <b>11.05.2025</b> |
| <ul style="list-style-type: none"> <li>NFPA 1930 (1801) Thermal Imagers</li> <li>NFPA 1930 (1802) Two-Way Portable FR Voice Communication Devices</li> </ul>                                                                                                                                                                                                                                       |                   |
| <b>25. NFPA Protective Clothing and Equipment Program</b>                                                                                                                                                                                                                                                                                                                                          | <b>11.05.2025</b> |
| <ul style="list-style-type: none"> <li>NFPA 1970 (1971) Structural &amp; Proximity</li> <li>NFPA 1970 (1975) Work Uniforms</li> <li>NFPA 1950 (1977) Wildland</li> <li>NFPA 1950 (1999) EMO (Emergency Medical Operations)</li> <li>NFPA 1950 (1951) Technical Rescue and Recovery</li> <li>NFPA 1955 (1952) Swift Water Operations</li> <li>NFPA 1955 (1953) Contaminated Water Diving</li> </ul> |                   |
| <b>26. ANSI/ASTM/CSA Protective Clothing &amp; Footwear Program</b>                                                                                                                                                                                                                                                                                                                                | <b>09.10.2026</b> |
| <ul style="list-style-type: none"> <li>ASTM F2413 Footwear (Safety)</li> <li>ASTM F2892 Footwear (Soft Toe)</li> <li>CAN/CSA Z195 Protective Footwear</li> </ul>                                                                                                                                                                                                                                   |                   |

| Program Sections                                                                                                                                                                                                                                                                                                                                                                        | Revision Date     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>27. Recreational Program</b>                                                                                                                                                                                                                                                                                                                                                         | <b>09.10.2026</b> |
| <ul style="list-style-type: none"> <li>• ASTM F1163 Equestrian Helmets</li> <li>• ASTM F1937 Equestrian Vests</li> <li>• ASTM F2040 Ski Helmets</li> <li>• ASTM F2681 Equine Racing Vests</li> <li>• ASTM F2713 Eye Protectors for Field Hockey</li> <li>• CAN/CSA Z 263.1 Ski Helmets</li> </ul>                                                                                       |                   |
| <b>28. Chemical Protective Clothing Program</b>                                                                                                                                                                                                                                                                                                                                         | <b>12.20.2024</b> |
| <ul style="list-style-type: none"> <li>• NFPA 1990 (1991 Vapor Ensembles)</li> <li>• NFPA 1990 (1992 Liquid Splash Ensembles)</li> <li>• NFPA 1990 (1994 Chemical-Biological Ensembles)</li> <li>• ANSI/ISEA 103 Chemical Protective Clothing</li> </ul>                                                                                                                                |                   |
| <b>29. Industrial Protective Clothing Program</b>                                                                                                                                                                                                                                                                                                                                       | <b>09.10.2026</b> |
| <ul style="list-style-type: none"> <li>• NFPA 2112 Flash Fire Garments</li> </ul>                                                                                                                                                                                                                                                                                                       |                   |
| <b>30. NOCSAE Program</b>                                                                                                                                                                                                                                                                                                                                                               | <b>09.10.2026</b> |
| <u>Baseball/Softball</u>                                                                                                                                                                                                                                                                                                                                                                |                   |
| <ul style="list-style-type: none"> <li>• ND022 Baseball/Softball Batter's Helmets</li> <li>• ND024 Baseball/Softball Catcher's Helmets with Faceguard</li> <li>• ND027 Youth Baseballs</li> <li>• ND029 Baseball/Softball Fielder's Headgear</li> <li>• ND072 Baseball/Softball Batter's Helmet Mounted Face Protector</li> <li>• ND200 Chest Protectors for Commotio Cordis</li> </ul> |                   |
| <u>Football</u>                                                                                                                                                                                                                                                                                                                                                                         |                   |
| <ul style="list-style-type: none"> <li>• ND002 Football Helmets</li> <li>• ND006 Youth Football Helmets</li> <li>• ND019 Football Players Hand Coverings</li> <li>• ND087 Football Faceguards</li> </ul>                                                                                                                                                                                |                   |

| Program Sections                                         | Revision Date     |
|----------------------------------------------------------|-------------------|
| <u>Hockey</u>                                            |                   |
| • ND030 Hockey Helmets                                   |                   |
| • ND035 Hockey Face Protectors                           |                   |
| <u>Lacrosse</u>                                          |                   |
| • ND041 Lacrosse Helmets with Faceguards                 |                   |
| • ND045 Lacrosse Face Protectors                         |                   |
| • ND049 Lacrosse Balls                                   |                   |
| • ND200 Chest Protectors for Commotio Cordis             |                   |
| <u>Polo</u>                                              |                   |
| • ND050 Polo Helmets                                     |                   |
| • ND055 Helmet Mounted Polo Eye Protection               |                   |
| <u>Soccer</u>                                            |                   |
| • ND090 Soccer Shin Guards                               |                   |
| <u>Field Hockey</u>                                      |                   |
| • ND061 Field Hockey Headgear                            |                   |
| • ND069 Field Hockey Balls                               |                   |
| <u>Hardware</u>                                          |                   |
| • ND015 Hardware Corrosion Characteristics               |                   |
| <b>31. Lacrosse Equipment Programs</b>                   | <b>09.10.2026</b> |
| • ASTM F3037 Eye Protectors for Women's Lacrosse         |                   |
| • ASTM F3137 Headgear for Women's Lacrosse               |                   |
| <b>32. Law Enforcement Protective Equipment Programs</b> | <b>09.10.2026</b> |
| • ASTM E3187, ASTM E3215 Less Lethal Aerosol Devices     |                   |
| • NIJ 0117.00, NIJ 0117.01 Public Safety Bomb Suits      |                   |
| • NIJ 1001.00 Criminal Justice Restraints                |                   |

# SEI Certification Program Manual

## Section 6: Standards and Laboratories

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### 6.0 Standards and Laboratories (Re: Schedule A)

| ANSI/ISEA Standards           |                                     |                                      |                                   |                                                                         |
|-------------------------------|-------------------------------------|--------------------------------------|-----------------------------------|-------------------------------------------------------------------------|
| Certification Program Section | SEI Approval Date                   | Product Category                     | Applicable Standard               | Test Laboratories                                                       |
| Section 23                    | 02/20/2026                          | Industrial Bump Caps                 | ANSI/ISEA 100-2024                | Colts Laboratories<br>ICS Laboratories                                  |
| Section 21                    | <del>04/29/2020</del><br>02/20/2026 | Eye & Face Protection                | ANSI/ISEA Z87.1-2020 <sup>5</sup> | Colts Laboratories<br>ICS Laboratories<br>Intertek<br>INSPEC Int'l Ltd. |
| Section 23                    | 10/25/2019                          | Industrial Head Protection           | ANSI/ISEA Z89.1-2014<br>(R2019)   | Colts Laboratories<br>ICS Laboratories<br>Intertek<br>INSPEC Int'l Ltd. |
| Section 21                    | 05/08/2023                          | Emergency Eyewash & Shower Equipment | ANSI/ISEA Z358.1-2014<br>(R2020)  | Intertek                                                                |

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| ASTM Standards                |                   |                                                                                                                                           |                     |                                                                                                   |
|-------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------|
| Certification Program Section | SEI Approval Date | Product Category                                                                                                                          | Applicable Standard | Test Laboratories                                                                                 |
| Section 20                    | 12/02/2024        | Standard for Respiratory Protective Escape Devices                                                                                        | ASTM E2952-24       | Intertek                                                                                          |
| Section 32                    | 04/17/2025        | Standard Specification for Less Lethal Aerosol Devices Used by Law Enforcement, Corrections, and Other Public Safety Officers             | ASTM E3187M-25      | Eurofins EAG Materials Science                                                                    |
| Section 32                    | 04/29/2020        | Standard Practice for Certification of Less Lethal Aerosol Devices Used by Law Enforcement, Corrections, and Other Public Safety Officers | ASTM E3215-19a      | Eurofins EAG Materials Science                                                                    |
| Section 27                    | 06/08/2023        | Headgear Used in Horse Sports and Horseback Riding                                                                                        | ASTM F1163-23       | ICS Laboratories<br>Intertek<br>INSPEC<br>International Ltd.<br>INSPEC Technical Services<br>SIRC |
| N/A                           | 05/07/2021        | Standard Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear              | ASTM F1446-20       | ICS Laboratories<br>Intertek<br>INSPEC<br>International Ltd.<br>INSPEC Technical Services<br>SIRC |

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| ASTM Standards cont.          |                                     |                                                                                                                        |                                     |                                        |
|-------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|
| Certification Program Section | SEI Approval Date                   | Product Category                                                                                                       | Applicable Standard                 | Test Laboratories                      |
| Section 29                    | <del>05/23/2022</del><br>05/15/2026 | Standard Performance Specification for Flame Resistant and Electric Arc Rated Protective Clothing                      | ASTM F1506-22 <sup>5</sup>          | ArcWear                                |
| Section 27                    | 12/01/2023                          | Body Protectors Used in Horse Sports and Horseback Riding                                                              | ASTM F1937-04 (R2023)e1             | Intertek<br>SIRC                       |
| Section 27                    | 12/21/2018                          | Standard Specification for Helmets Used in Recreational Snow Sports                                                    | ASTM F2040-18                       | Intertek                               |
| Section 26                    | 12/02/2024                          | Standard Specification for Performance Requirements for Protective Footwear                                            | ASTM F2413-24                       | Intertek                               |
| Section 27                    | <del>05/07/2021</del><br>11/17/2025 | Standard Specification for Protective Headgear with Faceguard Used in Bull Riding                                      | ASTM F2530-13 (R2020 <sup>5</sup> ) | SIRC                                   |
| Section 27                    | 12/01/2023                          | Equine Racing Body Protectors                                                                                          | ASTM F2681-18 (R2023)e1             | Intertek<br>SIRC                       |
| Section 27                    | 03/21/2022                          | Standard Specification for Eye Protectors for Field Hockey                                                             | ASTM F2713-21                       | ICS Laboratories                       |
| Section 26                    | 12/02/2024                          | Standard Specification for Performance Requirements for Soft Toe Protective Footwear (Non-Safety / Non-Protective Toe) | ASTM F2892-24                       | Intertek                               |
| Section 31                    | <del>02/02/2022</del><br>05/15/2026 | Standard Specification for Eye Protectors for Women's Lacrosse                                                         | ASTM F3077-21 <sup>5</sup>          | ICS Laboratories<br>SIRC               |
| Section 31                    | 04/26/2023                          | Standard Specification for Headgear Used in Women's Lacrosse (excluding Goalkeepers)                                   | ASTM F3137-15 (R2022)               | Chesapeake<br>ICS Laboratories<br>SIRC |

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| CSA Standards                 |                                     |                                                                      |                                       |                                                    |
|-------------------------------|-------------------------------------|----------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|
| Certification Program Section | SEI Approval Date                   | Product Category                                                     | Applicable Standard                   | Test Laboratories                                  |
| Section 23                    | 12/02/2024                          | Industrial Protective Headwear- Performance, selection, care and use | CAN/CSA Z94.1-15 (R2024)              | Colts Laboratories<br>ICS Laboratories<br>Intertek |
| Section 21                    | <del>04/29/2020</del><br>02/20/2026 | Eye and Face Protectors                                              | CAN/CSA Z94.3-2020<br>(R2025)         | Colts Laboratories<br>ICS Laboratories<br>Intertek |
| Section 26                    | <del>05/13/2024</del><br>05/15/2026 | Protective Footwear                                                  | CAN/CSA Z195-14 (R2023 <sup>5</sup> ) | Intertek                                           |
| Section 22                    | 10/28/2022                          | Self-Retracting Devices for Personal Fall Arrest Systems             | CAN/CSA Z259.2.2-17<br>(R2022)        | INSPEC Technical Services<br>Intertek              |
| Section 22                    | 10/28/2022                          | Fall Arresters and Vertical Lifelines                                | CAN/CSA Z259.2.5-17<br>(R2021)        | INSPEC Technical Services.<br>Intertek             |
| Section 22                    | 05/13/2024                          | Full Body Harnesses                                                  | CAN/CSA Z259.10-18<br>(R2023)         | INSPEC Technical Services<br>Intertek              |
| Section 22                    | 10/28/2022                          | Energy Absorbers & Lanyards                                          | CAN/CSA Z259.11-17<br>(R2021)         | INSPEC Technical Services<br>Intertek              |
| Section 22                    | 10/25/2021                          | Connecting Components for Personal Fall Arrest Systems (PFAS)        | CAN/CSA Z259.12-16<br>(R2021)         | INSPEC Technical Services<br>Intertek              |
| Section 27                    | 05/05/2015                          | Recreational Alpine Skiing and Snowboarding Helmets                  | CAN/CSA Z263.1-2014                   | Intertek                                           |

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| NFPA Standards                |                   |                                                                                                                                                                                                       |                                         |                     |
|-------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------|
| Certification Program Section | SEI Approval Date | Product Category                                                                                                                                                                                      | Applicable Standard                     | Test Laboratories   |
| Section 24                    | 04/07/2025        | Thermal Imagers, Two-Way Portable RF Voice Communication Devices, Ground Ladders, Rescue Tools, Fire Hose, and Fire Hose Appliances                                                                   | NFPA 1930-2025 (1801, 1802)             | Intertek            |
| Section 25                    | 04/07/2025        | Personal Protective Equipment for Technical Rescue Incidents, Emergency Medical Operations, and Wildland and Urban Interface Firefighting                                                             | NFPA 1950-2025 (1951, 1977, 1999)       | Arcwear<br>Intertek |
| Section 25                    | 04/07/2025        | Personal Protective Equipment for Surface Water Operations and Contaminated Water Operations                                                                                                          | NFPA 1955-2025 (1952, 1953)             | Intertek            |
| Section 25/SCBA Manual        | 12/02/2024        | Protective Ensembles for Structural and Proximity Firefighting, Work Apparel, Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services, and Personal Alert Safety Systems (PASS) | NFPA 1970-2025 (1971, 1975, 1981, 1982) | Arcwear<br>Intertek |
| SCBA Manual                   | 10/25/2021        | Standard on Respirators for Wildland Fire Fighting Operations                                                                                                                                         | NFPA 1984-2022                          | Intertek            |
| SCBA Manual                   | 7/22/2022         | Standard on Respiratory Protection Equipment for Tactical and Technical Operations                                                                                                                    | NFPA 1986-2023                          | Intertek            |
| SCBA Manual                   | 10/28/2022        | Standard on Combination Unit Respirator Systems for Tactical and Technical Operations                                                                                                                 | NFPA 1987-2023                          | Intertek            |
| Section 28                    | 10/25/2021        | Standard for Protective Ensembles for Hazardous Materials and CBRN Operations                                                                                                                         | NFPA 1990-2022 (1991, 1992, 1994)       | Intertek            |
| Section 29                    | 10/28/2022        | Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire                                                                                                                    | NFPA 2112-2023                          | ArcWear<br>Intertek |
| Section 22                    | 02/02/2022        | Life Safety Rope and Equipment for Emergency Services                                                                                                                                                 | NFPA 2500-2022 (1983)                   | Intertek            |

# SEI Certification Program Manual

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| NIJ Standards                 |                   |                                      |                                          |                   |
|-------------------------------|-------------------|--------------------------------------|------------------------------------------|-------------------|
| Certification Program Section | SEI Approval Date | Product Category                     | Applicable Standard                      | Test Laboratories |
| Section 32                    | 5/25/2016         | Public Safety Bomb Suit Standard     | NIJ 0117.01-2016 and NIJ CR-0117.00-2012 | Intertek          |
| Section 32                    | 05/07/2021        | Criminal Justice Restraints Standard | NIJ 1001.00 2019 (Rev A)                 | Intertek          |

# SEI Certification Program Manual

## Section 6: Standards and Laboratories

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| NOCSAE Standards              |                                     |                                                                                                             |                                 |                                                 |
|-------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------|
| Certification Program Section | SEI Approval Date                   | Product Category                                                                                            | Applicable Standard             | Test Laboratories                               |
| Section 30                    | 09/28/2017                          | Standard Test Method and Equipment Used in Evaluating the Performance Characteristics of Headgear/Equipment | NOCSAE ND001-17                 | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30                    | <del>09/28/2017</del><br>05/15/2026 | Newly manufactured football helmets                                                                         | NOCSAE ND002 – 17 <sup>25</sup> | ICS Laboratories<br>SIRC                        |
| Section 30                    | 04/17/2025                          | Newly manufactured youth football helmets                                                                   | NOCSAE ND006-23                 | ICS Laboratories<br>SIRC                        |
| Section 30                    | 02/14/2017                          | Hardware Corrosion Characteristics                                                                          | NOCSAE ND015-15                 | ICS Laboratories<br>Element<br>SIRC             |
| Section 30                    | 05/05/2015                          | Newly manufactured football players hand coverings                                                          | NOCSAE ND019 – 10               | ICS Laboratories<br>Intertek<br>SIRC            |
| Section 30                    | 04/22/2021                          | Newly manufactured baseball/softball batter's helmets                                                       | NOCSAE ND022 – 21               | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30                    | 12/02/2024                          | Newly manufactured baseball/softball catcher's helmets with faceguard                                       | NOCSAE ND024 – 24               | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30                    | 03/21/2018                          | Newly manufactured youth baseballs                                                                          | NOCSAE ND027 -18                | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30                    | 04/22/2021                          | Newly manufactured baseball/softball fielder's headgear                                                     | NOCSAE ND029 -21                | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30                    | 12/8/2014                           | Newly manufactured hockey helmets                                                                           | NOCSAE ND030 – 11               | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30                    | 12/8/2014                           | Newly manufactured hockey face protectors                                                                   | NOCSAE ND035 -11                | ICS Laboratories<br>Intertek                    |

# SEI Certification Program Manual

## Section 6: Standards and Laboratories

Revision Date: 09.10.26

Date of Issue: 01.12.12

|            |            |                                                                             |                   | Element<br>SIRC                                 |
|------------|------------|-----------------------------------------------------------------------------|-------------------|-------------------------------------------------|
| Section 30 | 09/28/2017 | Newly manufactured lacrosse helmets with faceguards                         | NOCSAE ND041 – 15 | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30 | 09/28/2017 | Newly manufactured lacrosse face protectors                                 | NOCSAE ND045 - 17 | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30 | 08/30/2019 | Newly manufactured lacrosse balls                                           | NOCSAE ND049 -19  | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30 | 12/8/2014  | Newly manufactured polo helmets                                             | NOCSAE ND050 – 11 | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30 | 12/8/2014  | Newly manufactured helmet mounted polo eye protection                       | NOCSAE ND055 – 11 | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30 | 02/14/2017 | Newly manufactured field hockey headgear                                    | NOCSAE ND061 – 14 | ICS Laboratories<br>Element<br>SIRC             |
| Section 30 | 02/14/2017 | Newly manufactured field hockey balls                                       | NOCSAE ND069-14   | ICS Laboratories<br>Element<br>SIRC             |
| Section 30 | 04/22/2021 | Newly manufactured baseball/softball batter's helmet mounted face protector | NOCSAE ND072 – 21 | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30 | 12/02/2024 | Newly manufactured football faceguards                                      | NOCSAE ND087 – 24 | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30 | 12/8/2014  | Newly manufactured soccer shin guards                                       | NOCSAE ND090 – 06 | ICS Laboratories<br>Intertek<br>Element<br>SIRC |
| Section 30 | 03/21/2022 | Newly Manufactured Chest Protectors for Commotio Cordis                     | NOCSAE ND200-22   | ICS Laboratories<br>SIRC                        |

## 7.0 Annual Participation Fees

The fees provided below are established annually and apply to all applicable SEI participants. Specific fees for certification and testing are provided in the Program Breakout Sections 20 through 33.

Should payment for any invoice owed by the participant be received by SEI more than thirty (30) days after it's initial due date, the participant will be responsible for paying a late fee equal to 2% of the original invoice amount. An additional 2% of the original invoice amount will be added to the total amount due for every thirty (30) additional days that the invoice remains unpaid, from the date of the first late fee. Total amount of late fees per invoice will not exceed more than 10% of the original invoice's total amount due. These late fees will be charged on a separate invoice.

In addition to Annual Participation Fees, Annual Model Certification Fees (as noted in each respective Program Section) shall be invoiced annually for each certified product model, variant, and/or accessory. In those cases where a given certified product model, variant, and/or accessory is voluntarily withdrawn by the Participant prior to March 1<sup>st</sup> of a given year, the Annual Model Certification Fee for that particular model, variant, and/or accessory shall be waived, provided SEI is notified of the intended withdrawal from certification prior to December 1<sup>st</sup> of the previous year.

Participants in NFPA programs that allow for maintaining legacy certified products shall be active, and in good standing, with current certified product models.

All wire transfer fees shall be the responsibility of the participant. Checks must be in U.S. funds drawn on a bank with a branch in the U.S.

| Sales Volume Category | 2026 Annual Participation Fees |
|-----------------------|--------------------------------|
| New Participant       | \$4,500                        |
| Under \$375,000       | \$4,686                        |
| \$375,000 – 1 million | \$6,694                        |
| \$1 - 5 million       | \$6,917                        |
| \$5 – 20 million      | \$7,476                        |
| \$20 – 40 million     | \$7,809                        |

# SEI Certification Program Manual

## Section 7: Participation Fees

Revision Date: 09.10.26

Date of Issue: 01.12.12

|                                                                  |          |
|------------------------------------------------------------------|----------|
| \$40 – 60 million                                                | \$8,256  |
| \$60 – 100 million                                               | \$8,926  |
| \$100 – 250 million                                              | \$10,153 |
| Over \$250 million                                               | \$10,488 |
| Element or Material Component Certification Only                 | \$2,900  |
| Participants Solely Using Shared Component Data (Industrial PPE) | \$2,900  |

### 7.1 Miscellaneous Fees

| Action                                                                                                                                                                                                                | Fee                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Class I or Class II Evaluation Reviews                                                                                                                                                                                | \$135.00/hr.                               |
| Private Label Annual Certification Fee (Base Model)                                                                                                                                                                   | \$250.00                                   |
| Private Label Annual Certification Fee (Variant)                                                                                                                                                                      | \$125.00                                   |
| Private Label Annual Certification Fee (Accessory)                                                                                                                                                                    | \$75.00                                    |
| Private Label Certification Letter for Private Label Company                                                                                                                                                          | \$75.00                                    |
| Investigation of noncompliance after first 8 hours of SEI staff time                                                                                                                                                  | \$135.00/hr. + cost of materials           |
| Complaint investigation after first 8 hours of SEI staff time                                                                                                                                                         | \$135.00/hr. + cost of materials           |
| Fees for use of legal counsel in responding to legal actions involving complaints (regardless of whether the complaint is determined to be valid), recalls or investigations against participant's certified products | Rebilled at SEI's attorney's fees          |
| American Arbitration Association (AAA) Appeals Board Fees                                                                                                                                                             | Established by the AAA in Washington, D.C. |
| Review for Acceptance of Previous or Other Test Data                                                                                                                                                                  | \$135.00 per hour                          |

**7.2 QUALITY ASSURANCE AUDIT FEES**

| <b>Auditor/Firm</b>                                                                                                                                                                       | <b>Fee</b>                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <u>CK Black Group, Inc.</u><br>North America<br><b>Cary Black</b>                                                                                                                         | Charge Per Day \$1,073.00<br>Travel Expenses as Billed |
| <u>GMT Quality Services</u><br>North America<br><b>Glenn Tacke</b>                                                                                                                        | Charge Per Day \$1,073.00<br>Travel Expenses as Billed |
| <u>HTEQ Services</u><br>Asia<br><b>YW Heoh</b>                                                                                                                                            | Fees quoted upon request for time and travel.          |
| <u>INSPEC International Ltd.</u><br>Salford, Manchester, UK<br><b>Timothy Brett</b><br><b>Alastair Meakin</b><br><b>Michal Fullerton</b><br>Taiwan<br><b>Danny Tai</b><br><b>Robin Lu</b> | Fees quoted upon request for time and travel.          |
| <u>Pinto Quality Management</u><br>North America<br><b>Jules Pinto</b>                                                                                                                    | Charge Per Day \$1,073.00<br>Travel Expenses as Billed |
| <u>POS Management Solutions</u><br>Asia<br><b>CK Leong</b>                                                                                                                                | Fees quoted upon request for time and travel.          |
| <u>QA International</u><br>Pakistan<br><b>Muhammad Ejaz</b>                                                                                                                               | Fees quoted upon request for time and travel.          |
| <u>QMS Auditing Services</u><br>Providence, RI<br><b>Roger Sabo</b>                                                                                                                       | Charge Per Day \$1,073.00<br>Travel Expenses as Billed |
| <u>Mr. Bryan See</u><br>Asia                                                                                                                                                              | Fees quoted upon request for time and travel.          |
| <u>Control Point Holdings</u><br>Las Vegas, NV                                                                                                                                            | Charge Per Day \$1,073.00<br>Travel Expenses as Billed |

**Trevor Morones**

The Standards Institute of Israel  
Israel

Fees quoted upon request for time and travel.

**Yaron Segman**

| <b>Additional Audit Services</b>                 | <b>Fee</b>                |
|--------------------------------------------------|---------------------------|
| <b>SEI Remote Audit of Headquarters</b>          | Charge Per Day \$1,073.00 |
| <b>SEI Remote Pre-Audit</b>                      | Charge Per Day \$800.00   |
| <b>Auditor's Excess Hours</b>                    | \$64.00 Per Hour          |
| <b>Excess Hours for Corrective Action Review</b> | \$64.00 Per Hour          |

**7.2.1 General Quality Assurance Audit Notes & Fees**

1. 10% Surcharge is added to quality audit fee
2. Audit Rescheduling Fee is \$257.00 (applies to all audit types including remote/virtual if audit is canceled within the 48 hours prior to the start time)
3. In addition to the \$257.00 Audit Rescheduling Fee, participants canceling an audit after scheduling will also be billed any costs incurred on the part of the auditor. This includes and is not limited to the purchase/cancellation of airline tickets.
4. Fees must be paid in advance for all new participants. New participants will be provided with a quote for prepayment.

### 8.0 Certification Process

- A. Certification of product(s) will be granted by SEI when:
1. A specific product model has been tested by the testing laboratory with compliant results; and SEI has been so notified of the test results;
  2. Quality assurance procedures have been evaluated by the Quality Assurance Auditor for the SEI participant/manufacture and its critical component and materials suppliers with compliant results, and SEI has been so notified by the Quality Assurance Auditor;
  3. An SEI approved recall policy is on file;
  4. All appropriately assessed fees have been paid to SEI;
  5. SEI insurance requirements have been met and
  6. Where required, the SEI participant/manufacture has satisfied the requirements of the latest version of ISO 9001 as required by the NFPA Standard to which the product is being certified.
- B. SEI participants shall apply for:
1. Initial certification
  2. Class I and Class II changes (see *Section 14: Product Changes*) of product models by completing a submittal package which includes an SEI Certification Submittal Form (see *Form 8.0*) and a detailed listing/ description of the components and materials for each product model, variant or accessory being submitted (see *Section 8.5 for definitions of a basic model, variant and accessory.*)
- C. SEI participants shall apply for annual certification of certified models. In case(s) where a certified model has not had any production since 1) the date the model was last tested for initial certification or 2) the date the model was last tested for an annual certification (i.e., same production lot/batch in the manufacturer/SEI participants possession), SEI will consider accepting a request for an exemption (upon receipt of a written exemption request from the SEI participant), to not conduct annual certification testing on the given production lot/batch. If an exemption to conduct annual certification testing is accepted, SEI will resume annual certification testing when either 1) production resumes, or 2) the exempted certified product has not been tested for three (3) annual certification cycles.
- D. The SEI Certification Program is designed for the certification of finished product models, except that, in certain specific instances, component models may be certified. In order to avoid confusion, the SEI certification mark used on component models shall be different from the SEI certification mark used on finished product models. *Section 17: Use of SEI Certification Mark* of this manual provides specific details regarding component model certification and the use of the SEI certification mark for components.

### 8.1 Special Process Certifications - New Standards

When required product performance is changed through the use of a new, revised or different standard, SEI views the testing and recertification as an initial certification. In that case, suitable grandfathering will be provided to permit an orderly transition both by users and SEI participants. See *Section 5: Selection of Standards* of this manual.

Upon certifying models to a new standard for the first time (i.e., a new certification program or revised standard) SEI will grant all participating SEI participants a fair and equal opportunity to obtain certification. When feasible, SEI will announce a date by which time all applicants must apply in order to receive certification by a specified date.

### 8.2 Special Process Certifications - Private Labels

Extension of certification for a model already approved, but marketed under a different mark (i.e., private labeled), may be granted by SEI under the following conditions:

1. The SEI participant notifies SEI in writing per the SEI Certification Submittal Form for Private Label Products (*see Form 8.2*), the company for whom the product is being private labeled, the brand name and product model number used by that company. The SEI Certification Submittal Form for Private Label Products shall be submitted initially and annually.
2. The model is identical to one already certified except for markings or other Class II changes, as described in *Section 14: Product Changes* of this manual and as demonstrated through product photo(s), drawing(s) or a product sample submitted to SEI for confirmation.
3. The SEI participant continues certification of the original model.
4. When completing the SEI Certification Form for Private Label Products, the SEI reference number, certified model brand name, and model numbers shall be cross-referenced to each private label product model number and name. The SEI Private Label Product Certification Submittal Form shall be completed and submitted to SEI for all private label certification requests.
5. Labels and user instructions for the private label product shall be reviewed and accepted by SEI and/ or the laboratory for compliance with applicable SEI and product standard requirements.
6. An annual certification fee will be charged to process a private label submittal. A fee for product comparison, label and user information review may be charged by SEI and/or the laboratory for initial and annual private label submittals.
7. Verification of the above conditions shall be reviewed during SEI quality audits.

Upon successful completion of the applicable item(s) from above, SEI will issue to the Participant a Certification Letter which covers the private label product. Upon request (i.e., if answered “Yes” to this question on the SEI Certification Submittal Form for Private Label Products (*see Form 8.2*)), SEI will generate and issue an additional Certification Letter to the company that receives the private label.

### 8.3 Special Process Certifications - Modified Models

Extensions of certification for products modified by a Class I change, as described in *Section 14: Product Changes* of this manual, will require submission of the model for recertification testing. Changing or adding a major component supplier is considered a Class I change and shall immediately be reported to SEI for evaluation and possible action.

### 8.4 Participant Request to Stop/Cancel Certification Process

Submitting a completed SEI Certification Submittal Form (*see Form 8.0*) authorizes SEI to initiate certification of the product(s) indicated on the Submittal Form, to the listed certification programs noted on the Submittal Form. Upon receipt of the Submittal Form, certification testing will be initiated by SEI and any applicable SEI certification fees will be invoiced.

If the certification process needs to be stopped or canceled by the Participant for any reason, SEI must receive a signed Stop/Cancel Certification Process Form (*see Form 8.4*) in order to stop the certification process. SEI will send a confirmation to the Participant and Test Laboratory indicating that cancellation of the certification process has been accepted. Any SEI certification fees and/or testing fees that are incurred at the time SEI sends confirmation of the cancellation/suspension will be the responsibility of the Participant, and these fees will be invoiced for payment. In the case of a Stop/Cancel certification request, the Stop/Cancel Certification Form also includes a section that authorizes SEI to continue or restart the certification process. This must be completed, signed and returned to SEI before the certification process will continue. SEI will send a confirmation indicating the date that the certification process will continue.

### 8.5 Definitions of Basic Model, Variant and Accessory

A. Basic Model: Protective device of the same basic design and components, produced by the same manufacturing location.

B. Variant: Variation of basic model distinguished by a single component (i.e., lens shades, suspension systems, reverse headbands, closures, etc.) or secondary supplier location producing an identical product the corresponding basic model.

C. Accessory: Product that is for use with a specific SEI certified model, designed in such a manner to be removable from its corresponding basic model without affecting the performance of that model in accordance with the applicable standard.

### 10.0 Product Testing

These procedures apply to all tests performed by the Testing Laboratory pursuant to the latest revision/edition of the applicable standard(s), including initial testing, periodic testing and annual certification testing. Test reports, once provided to SEI by the test laboratory, become property of SEI and are used for the purpose of issuing certification.

#### 10.1 Procedures

- A. Initial testing refers to the testing performed by the Testing Laboratory of:
1. a product model that has not been previously certified under the SEI program,
  2. a model that has been changed in a manner such that it may affect the model's fitness in any way (Class I changes are described in *Section 14: Product Changes* of this manual),  
or
  3. a model that is being tested to a revised standard.

Testing of product models submitted for initial certification shall be completed within twelve (12) months from submission. Exceptions to this policy shall be discussed with SEI on a case-by-case basis.

- B. Periodic testing refers to the testing performed by the Testing Laboratory of certain product models selected by the Quality Assurance Auditor during the six (6) month or one (1) year surveillance audit.
- C. Annual certification testing refers to the testing performed by the Testing Laboratory of all product models qualified under the SEI program for all attributes and variables, as specified for each program in which the manufacturer participates. This testing shall be conducted by the Testing Laboratory on an annual basis, except when an exemption is granted to the manufacturer by SEI (see 8.0 (C)). Certain programs may require that certification testing be conducted at intervals other than annually, and/or may require more or less extensive testing. Those decisions are made by the Committee on Certification Programs (CCP) and are announced at the initiation of a program. Wherever possible, product for annual certification testing will be selected by the Quality Assurance Auditor.
- Expenses incurred in the shipping and testing of products shall be borne by the manufacturer.
- D. Final design models having some components which may have been run on temporary tooling may be tested during initial certification testing. Later confirmation with products run on production tooling will be required.
- E. Submission of product by the manufacturer to the testing laboratory for initial testing or receipt of product selected during an audit shall be deemed by SEI as the Testing Laboratory's authorization to begin testing, as long as the Testing Laboratory has in its possession the SEI issued SEI Submittal Report that corresponds to the samples.

- F. Testing shall be conducted at the Testing Laboratory. Should there be an extenuating circumstance for a particular testing need, SEI shall provide specific authorization in writing to the Testing Laboratory for competent laboratory personnel to conduct the testing at the manufacturer's facility in accordance with the testing laboratory internal procedures.
- G. The manufacturer will be permitted to witness the test(s) at the Testing Laboratory but will not be allowed to interfere or otherwise interrupt the test(s).
- H. Manufacturers who wish to witness testing of their products should notify the Testing Laboratory when samples are submitted. The Testing Laboratory will then contact the manufacturer to notify them of the test date(s).
- I. An expedited testing schedule may be arranged if the Testing Laboratory agrees that testing can be expedited without disruption of tests scheduled for other participating manufacturers.
- J. In the event that the product fails any test:
  - 1. The Testing Laboratory will notify SEI by email within twenty-four (24) hours. SEI will also notify the participant of the noncompliance by email within seventy-two (72) hours of receipt of the noncompliance.
  - 2. For annual certification testing, the manufacturer must report to SEI its analysis of what caused the failure and what corrective action the manufacturer will take within five (5) working days. In some cases, five (5) days will be insufficient time to conduct such an investigation. In this case, participants should respond in writing to SEI informing SEI of the steps being taken to investigate the noncompliance and the estimate as to when the investigation will be complete. See *Section 15: Nonconformance/Departure, Potential Hazard, and Complaints Received by SEI Filed Against Certified Products* for further requirements.
  - 3. The manufacturer and SEI must agree upon a date by which the company will resubmit products for testing. However, in the case of a non-conformance during annual certification testing, the period for corrective action and submittal of product for retesting shall be no longer than sixty (60) days. Exceptions to this policy shall be discussed with SEI on a case-by-case basis. If reduced sample requirements are in effect, SEI shall revert to initial sample requirements for retesting.
  - 4. SEI will provide the Quality Assurance Auditor with informational copies of the manufacturer's report of its analysis of the cause and recommended corrective action(s); as well as the SEI correspondence authorizing resubmittal of the product for repeat testing.
- K. The Testing Laboratory will notify the manufacturer of complete test results within fifteen (15) working days after initial, periodic or annual certification testing and within five (5) working days after a retest. Such notice shall be accompanied by all pertinent test data or findings.
- L. At the time notice is provided to the manufacturer, the Testing Laboratory shall also provide SEI with the same information.

- M. In reporting nonconformance results following periodic or annual certification testing, the Testing Laboratory shall list all noncompliances as they occur on the Noncompliance History matrix provided on the last page of the SEI Submittal Report. If the noncompliance occurs during annual certification testing, the AQL category code is to be completed stating whether the product model nonconformance is considered (1) Critical, (2) Major A, (3) Major B or (4) Minor, as those terms are defined in *Section 15: Nonconformance/Departure, Potential Hazard, and Complaints Received by SEI Filed Against Certified Products* of this Manual. Once the laboratory receives a retest authorization from SEI, the retest may be conducted and the date and results of the retest recorded on the Noncompliance History matrix. The laboratory will list any subsequent noncompliances experienced during the testing authorized by that submittal. When testing has been completed and is compliant, the bottom portion of the last page of the submittal report shall be completed by the laboratory and a copy shall be sent to SEI via email with the test report.
- N. In the event that the product fails any test or retest, the manufacturer may appeal the test results, as outlined in *Section 19: Complaints & Appeals* of this Manual, based on one or more of the following three reasons:
1. The Testing Laboratory conducted the wrong test;
  2. The Testing Laboratory conducted the right test incorrectly; or
  3. The Testing Laboratory misinterpreted the test results.
- O. Any product models which fail the test, following the Appeals Board procedure denying certification or withdrawing certification, are subject to complete resubmission under the SEI program.
- P. Except as stated above and necessary to participate in the SEI appeals process, the Testing Laboratory will maintain the confidentiality of all tests results, findings and product specifications; however, in response to a subpoena, court order of other compulsory process, the manufacturer will be given at least ten (10) days advance notice whenever possible before such information is released to any third party.
- Q. Consistent with paragraph K (2) above, the Testing Laboratory shall attempt to resolve discrepancies in testing data on a confidential basis with the individual manufacturer, informally and expeditiously whenever possible, without compromising the requirements of the standard and the integrity of the SEI Certification Program.
- R. The testing laboratory shall either return to the manufacturer or destroy all test samples in accordance with the instructions on the SEI Submittal Report. All shipping expenses shall be borne by the manufacturer. There may be an environmental fee charged by the laboratory for destruction/ disposal of samples.
- S. Testing shall be completed in full at the laboratory with which the submittal was opened. Switching laboratories during the middle of a submittal, for example after a non-compliance is observed, is not allowed.

### 10.2 Acceptance of Test Results Produced During Developmental Testing

In general, SEI will not accept test results which were produced as a result of manufacturer commissioned developmental testing. SEI will however, under extenuating circumstances, consider accepting developmental testing, provided the following documentation is submitted in writing by the manufacturer:

- A. The manufacturer shall detail the extenuating circumstances which SEI is to consider in its decision to grant or deny the request to utilize developmental test results.
- B. The manufacturer shall provide 1) an outline of the developmental tests which are to be conducted and 2) the name of SEI contract test laboratory where the developmental testing will be undertaken.
- C. The manufacturer shall provide the details of the product and/ or the change(s)/ revision(s) to the product that were required to meet the performance criteria outlined in the standard to which the product will be certified.
- D. The manufacturer shall not proceed with developmental testing until permission is granted, **in writing**, to the manufacturer by SEI.

If the utilization of manufacturer commissioned developmental test results is granted, SEI must receive the developmental test results (in the form of a test report), along with any required submittal documentation or investigation documentation within six (6) months of the completion of testing. Additionally, test data must have been generated within this six (6) month time interval in order to be considered by SEI.

The manufacturer must also submit a final summary which documents all changes that may have been made to the product during developmental testing, to meet the performance requirements of the standard.

Under no circumstances will SEI accept for certification, a complete test report where all of the test results were produced from developmental testing.

### 16.0 Suspension or Withdrawal of Certification

#### 16.1 Voluntary

- A. If a manufacturer wishes to withdraw voluntarily all or any models from the SEI certification program, sixty (60) days written notice of intent shall be given to SEI. The *Confirmation of Voluntary Withdrawal from SEI Certification Form* (See Form 16.3) shall be used in cases where all certified models are being withdrawn voluntarily by the manufacturer. Where a manufacturer is voluntarily withdrawing a certified model or model(s), but not all models, the *Confirmation of Voluntary Withdrawal of SEI Certified Product Form* (See Form 16.4) shall be used. For either form, the manufacturer will complete Section 1 only and submit one form for each model/SEI reference number being withdrawn. SEI will review the information provided by the manufacturer and complete the information required in Section 2. SEI will then return the form(s) for review and final signature by the manufacturer as required in Section 3. Upon final signature, the manufacturer shall return the completed document to SEI by the due date noted on the form. The manufacturer shall cease and desist all use of, or reference to, the SEI certification mark in the manufacture, marketing and distribution of its products effective on the date(s) specified in Section 2 of the withdrawal form(s). The manufacturer's responsibility for maintaining product liability insurance shall continue as long as products bearing the SEI certification mark are in use. The period of time shall be mutually agreed upon by SEI and the manufacturer at the time of product withdrawal. See the Manufacturer's Agreement, a copy of which is incorporated into this Manual.
- 1) *If production of a model being submitted for withdrawal occurred between the most recent date of certification, and the notification of intent to withdraw, the product shall be submitted for annual certification testing prior to executing the withdrawal. The purpose of doing so is to ensure that the final construction run of the product is compliant. Exceptions to this requirement can be made at the discretion of the program manager.*
- B. The manufacturer shall be permitted to sell any products in its possession or control that bear the SEI certification mark and properly conform to the applicable product standards and quality assurance requirements, provided such mark was affixed prior to the notification date of termination and the products are not subject to a recall.
- C. In no case shall any withdrawn product, which is within the control of the manufacturer and labeled with the SEI mark, be sold, with regard to whichever occurs first: 1) past the one year certification effective date stated in the most recent SEI certification letter; 2) after one year following the date of voluntary termination; 3) one year after the SEI announcement of the adoption of a new edition of a standard, or 4) according to labeling requirement(s) stated in any give standard/scheme (e.g., NFPA, NIJ, NOCSAE). For a reasonable length of time, SEI shall, at its option, have access to the manufacturer's premises and records to verify this information and to ensure that the manufacturer does not use the SEI certification mark on any other product.

### 16.2 Involuntary

A. Grounds for SEI initiating a suspension or withdrawal of certification include the following, but not limited to:

- 1) Misuse of SEI certification mark;
  - i. Failure to comply with the Use of the Mark section of this manual is grounds for suspension or withdrawal.
  - ii. Repeated misuse of the SEI certification mark resulting in either suspension or withdrawal of certification shall constitute grounds for SEI, in its sole discretion, to refuse to allow a manufacturer to participate in the SEI Certification Program in the future.
- 2) Failure to meet the quality assurance requirements;
- 3) Failure to have products conform to model tested and certified;
- 4) Failure to institute a recall;
- 5) Where it is established through an SEI investigation that a hazard is involved with a certified product
- 6) Failure to pay fees within sixty (60) days of the date on the statement received from SEI is grounds for suspension.
- 7) Failure to pay undisputed fees and charges within sixty (60) days of the date on the statement received from SEI, that is not cured within ten (10) days following written notice of such failure, is grounds for termination.

B. Definitions of suspension and withdrawal:

- 1) Suspension: A temporary invalidation of the certification status, whereby the certification is maintained but declared inactive. During the period of suspension, the manufacturer's product is not considered certified, and the manufacturer shall refrain from any use of the certification mark or claims that imply valid certification. Certification may be restored upon verification that the identified issues have been satisfactorily addressed.
- 2) Withdrawal: A termination of the certification decision, resulting in the complete removal of certification status. Reinstatement of certification following withdrawal requires a new application and full evaluation in accordance with SEI procedures.

C. Whenever product testing, SEI certification mark monitoring or quality assurance audits reveal that the manufacturer has failed to comply with the requirements of the SEI certification program or certification scheme/standard, the manufacturer shall receive notice which shall specify the requirements not being met, the specific corrective action to be taken and the time frame within which such action must be taken. This suspension notice shall be sent by SEI on the basis of findings and conclusions made by the Testing Laboratory and/or the Quality Assurance Auditor, where appropriate. A suspension shall result in the product(s) being removed from the certified product list until the issue is resolved.

- D. Upon receipt of such notice, the manufacturer shall have the opportunity to present any test data, other evidence, or argument in its behalf. Based upon the manufacturer's presentation and the evidence that supports the issue, SEI shall determine whether the affected product(s) are in full compliance with Section 16.2A.
- E. If receipt of test data, other evidence or argument by the manufacturer demonstrates that the issue involved has been corrected, SEI shall notify the manufacturer that it is authorized to resume use of the SEI certification mark on the model(s) in question provided those products continue to satisfy the testing and quality assurance requirements of the SEI certification program. This will include reinstating the product(s) to the certified product list.
- F. If receipt of test data, other evidence or argument by the manufacturer demonstrates that the issue involved has not been corrected, SEI shall notify the manufacturer that the product(s) certification is withdrawn and the manufacturer shall cease and desist use or reference to the SEI certification mark in the manufacture, marketing and distribution of the product(s), refer to the Use of the Mark section of this manual and, if applicable, refer to the Recall Procedures section of this manual.
- G. The manufacturer may issue a complaint on the decision of suspending or withdrawing SEI certification, as specified in the Complaints & Appeals Section of this Manual.
- H. Non-payment of undisputed fees and charges within sixty (60) days of the date on the statement received from SEI, and is not cured within ten (10) days following written notice of such failure, or other material breach that is not cured within thirty (30) days following written notice from the non-breaching party, shall constitute cause for termination of the manufacturer's agreement. In the event Manufacturer disputes any fees and charges, it shall notify SEI of such dispute, in writing, and within sixty (60) days following the receipt of SEI's billing statement. The failure to timely dispute any such billing from SEI, shall be deemed a waiver of any such dispute.
- I. If SEI requests that the manufacturer to cease and desist use of the SEI certification mark, SEI logo, "SEI", the manufacturer shall comply with such requests and cease and desist use of the certification mark with respect to the particular products involved effective immediately upon receipt of notice from SEI. SEI or its authorized representative shall have access to the manufacturer's premises and records to verify that the certification mark is not being affixed to or used in connection with any such products.
- J. Upon termination of the Manufacturer's Agreement, the manufacturer shall discontinue at once all use of the SEI certification mark, SEI logo, "SEI".



Safety Equipment Institute

# SEI Certification Program Manual

Section 21: Eye and Face Protection Program

### 21.0 Eye and Face Protection Program Standards

- ANSI/ISEA Z87.1-2020<sup>5</sup> Eye and Face Protection
- ANSI/ISEA Z358.1-2014 (R2020) Eyewash
- CAN/CSA Z94.3-2020 (R2025) Eye and Face Protection

### 21.1 Certification Submittal Package

A Certification Submittal Package shall include an SEI Certification Submittal form (*see Form 8.0: SEI Certification Submittal Form*) and a Components & Materials Description Checklist form (*see Section 21B: Safety Eyewear Components & Materials Description Checklist or Section 21C: General Components & Materials Description Checklist*) for each product model, variant or accessory being submitted.

Completion of the submittal package serves four primary purposes:

1. The submittal package provides SEI and the SEI Quality Assurance Auditor with a description of new, modified and continued products to be selected during the audit.
2. The information provided by the manufacturer in the full submittal package confirms to SEI the product design and components remain unchanged since the submitted product was last tested and certified.
3. Receipt of the submittal package by the testing laboratory, from SEI, serves as the laboratory's authorization to begin testing the product(s) and allows laboratory personnel to verify that the correct product samples have been received.
4. The return of a signed copy of the submittal form from the testing laboratory provides SEI with a record of the date testing was completed on the product model.

Over the life of the product, subsequent submittal packages shall document that the product model submitted for certification testing is identical to samples **previously** tested, except where Class I model changes have been tested and documented through the submission of additional SEI submittal packages or documented Class II changes have been made. It is therefore necessary that each submittal to SEI include sufficient product description information, which is achieved by a complete components and materials listing to uniquely and unambiguously identify the product model in question (*see Section 14: Product Changes*).

#### SEI Certification Submittal Form

Each submittal form must be identified on the submittal form as either (1) initial certification, (2) annual recertification, (3) Class I change, or (4) Class II change. Finished product manufacturing facilities (assembly) located at a different address (i.e. suppliers or company-owned factories) shall be identified in Section 3 of the submittal form. The SEI Certification Submittal Form shall be signed by the authorized manufacturer representative within the participating company having the authority to authorize expenditures for testing.

### Components and Materials Description List

The product description information may be (a) listed on the Component & Materials Description Checklist form, (b) provided as a separate listing by the manufacturer (i.e., Bill of Materials), or (c) appropriate engineering drawings/ specification sheets. *Use of Section 21B: Safety Eyewear Components and Materials Description Checklist* form or *Section 21C: General Components & Materials Description Checklist* is recommended. The following information is to be included on each Components & Materials List.

#### A. Description of Major Components

All 2major components and materials shall be identified and described. Where possible, include brand name and part number, supplier name and location.

#### B. Primary Materials

Materials used in the construction of major components shall be identified. Identification shall include trade names, if applicable. All changes shall be reported to SEI for evaluation and possible action.

#### C. Manufacturing Locations

All locations in which the product model is manufactured or assembled must be identified on the SEI Certification Submittal Form. If major components are manufactured by another company and purchased by the SEI participants, the name and address of the manufacturing facility and contact name shall be identified on the Components & Materials Description Checklist.

#### D. Specification Sheets or Technical Bills of Materials

Product specification sheets or technical bills of materials (BOM) may be included with the SEI Certification Form in addition to the Components & Materials description checklist to fulfill some or all other requirements noted above. In the case of annual recertification, the appropriate documents (i.e., submittal form and components & materials listing or BOM) shall be prepared prior to the sample selection audit and available to the auditor during the audit for reference and confirmation of product.

#### E. Confidentiality

All product information received by SEI staff, the SEI Quality Assurance Auditor, or the SEI testing laboratory shall be considered confidential and shall not be released to any third party without written authorization to do so (with the exceptions noted *Section 3: Manufacturer's Agreement* for response to a subpoena, court order or other compulsory process).

## 21.2 Eye and Face Protection Program Codes

SEI utilizes SEI Reference Numbers internally to identify each SEI participant and their unique models and variants. The first set of two or three letters/numbers indicates which standard program code the model/variant is being certified against. The second set of three letters indicates the SEI participant's unique identification. The third set of numbers is assigned by SEI to identify each model (see definition below) being certified.

e.g.: BBH ABC 03

e.g.: BBH ABC V03

Where BBH identifies the standard program code

Where ABC identifies the unique participant identification

Where 03 identifies the model submitted for certification

Where V03 identifies the model as the third variant (V03) for this Participant Identification (ABC)

| SEI Reference Program Code | Standard Description                                                                                 | Product Type            | Standard         |
|----------------------------|------------------------------------------------------------------------------------------------------|-------------------------|------------------|
| EF                         | American National Standard for Occupational and Educational Personal Eye and Face Protection Devices | Eye and Face Protection | ANSI/ISEA Z87.1  |
| WS                         | American National Standard for Emergency Eyewash and Shower Equipment                                | Eyewash                 | ANSI/ISEA Z358.1 |
| EFC                        | Standard for Eye and Face Protectors                                                                 | Eye and Face Protection | CAN/CSA Z94.3    |

## 21.3 Definition of a “Model”

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any change that affects the device’s performance under the limits of the current certification standards constitutes a different model.

For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria. The following examples will provide the applicant with guidelines in order to determine when a new model designation is required. These examples are illustrations and are not intended to be all inclusive.

## 21. Annual Certification Fees

Testing shall be performed annually. When an initial submittal package is submitted to SEI, the Annual Participation Fees (*See Section 7: Annual Participation Fees*) and Annual Model Certification Fees are due. The following is a schedule of annual model certification fees that apply to the Eye and Face Protection Products Program:

| Program Code | Model Type      | Annual Model Certification Fees |
|--------------|-----------------|---------------------------------|
| EF, EFC      | Base Model      | \$618                           |
|              | Variant Model   | \$257                           |
|              | Accessory Model | \$139                           |
| WS           | Base Model      | \$515                           |
|              | Variant Model   | \$232                           |
|              | Accessory Model | \$139                           |

### 21.5 ANSI-ISEA Z87.1 Eye and Face Protection

#### A. Definition of Model

Both plastic and glass lenses used in eye and face protection devices may be submitted for component model certification, so that when such lenses are used in several products, the repetition of all tests will not be necessary. In general, a change from one certified lens to another is considered a Class II change, one that should not require a new model designation.

If the manufacturer of a certified component model elects to place the SEI certification mark on the component, the mark shall be as shown below, distinctive from the SEI certification mark used on product models. The component model certification mark shall emphasize that the entire product is not necessarily an SEI certified model. For example:

Lens Certified Model- Z87.1-2020(with or without +) or  
 Lens Cert. Mod. - Z87.1-2020, (with or without +).

An SEI lens certified model shall be a complete component which does not require further processing prior to insertion into a protective device. If, however, a certified component model is altered in any way prior to inclusion in the finished product, further tests shall be required. In general, if a participating manufacturer purchases lenses that are SEI certified component models for use in spectacles, it would not be necessary to have the lens-only testing repeated.

- a. Plano Lenses – Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

- 1. Shape
- 2. Material

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

- 1. Shade
- 2. Size

- b. Filter Plates - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

- 1. Size
- 2. Material

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

- 1. Shade

- c. Spectacles - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

- 1. Front configuration, i.e., universal or fitted bridge, lens shape, frame design, etc.
- 2. Manufacturing process, i.e., injection molding, sheet stock, fabrication, metal fabrication, etc.

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

- 1. Type of side shield
- 2. Adjustable nose pads
- 3. Lenses
- 4. Eye and bridge size
- 5. Temple style and size
- 6. Color
- 7. Another certified material
- 8. With or without side shield flange

- d. Goggles - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Cup or body configuration
2. Manufacturing process, i.e., compression molding, injection molding, vacuum forming, etc.

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Another certified material
2. Ventilation method
3. Bridge
4. Lenses and plates
5. Color
6. Accessories or attachments

- e. Faceshield - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Window attachment system
2. Suspension

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Headgear color
2. Size of crown protector
3. Another certified material
4. Visor dimensions, color and material

- f. Welding Helmets - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Manufacturing process, i.e., compression molding, injection molding, etc.
2. Shell configuration

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Size of window opening
2. Stationary or lift fronts

3. Suspension method including hand shields
4. Another certified material
5. Color
6. Accessories or attachments
- g. Respirator Facepiece - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:
  1. Manufacturing process,
  2. Facepiece configuration/shape/field of view dimensionsCharacteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:
  1. Accessories or attachments
  2. Stationary or lift fronts
  3. Color

### B. Definition of Major Components with Respect to Markings

- a. Spectacles  
Lens, Front, Temple (at least one if plano and both if non-plano), removable side shields
- b. Goggles  
Frame, Lens, and Lens Housing or Carrier
- c. Faceshield  
Headgear/ Adapter, Crown, and Window
- d. Welding Helmets and Hand shields  
Lens, Headgear, Shell, and Lens Housing or Carrier

### D. Laboratory Testing Fees/ Attributes and Variables

SEI currently has approved three (3) laboratories that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

## 21.5 ANSI/ISEA Z358.1 Emergency Eyewash and Shower Equipment

### A. Definition of Model

- a. Emergency Shower - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:
  - 1. Design of shower head, i.e., single head or multiple headCharacteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:
  - 1. Materials
  - 2. Methods of mounting
  
- b. Plumbed Eyewash - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:
  - 1. Design of discharge headCharacteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:
  - 1. Bowl
  - 2. Actuator design
  - 3. Material
  - 4. Valve design
  - 5. Contaminant cover
  
- c. Self-Contained Eyewash - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:
  - 1. Pressurized
  - 2. Non-pressurized
  - 3. Method of actuationCharacteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:
  - 1. Heating
  - 2. Materials
  - 3. Size
  - 4. Contaminant Cover

- d. Eye/ Face Wash - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Design of discharge heads
2. Configuration of spray

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Material
2. Bowl
3. Actuator design
4. Contaminant

- e. Hand-Held Drench Hose - Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Method of actuation
2. Design of discharge head

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Length
2. Type of hose

- f. Combination Units

Components of combination units shall meet all the requirements of the standard. They will be considered separate models for certification.

### B. Laboratory Testing Fees/ Attributes and Variables

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

## 21.6 CAN/CSA Z94.3 Industrial Eye and Face Protection

### A. Definition of a Model

- a. Class I Protectors – Spectacles

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Front configuration, i.e., universal or fitted bridge, lens shape, frame design, etc.
2. Manufacturing process, i.e., injection molding, sheet stock, fabrication, metal fabrication, etc.

Characteristics that should not affect the model's ability to meet the performance requirements of the standard and therefore would not require a new model designation:

1. Type of side shield
2. Adjustable nose pads
3. Lenses
4. Eye and bridge size
5. Temple style and size
6. Color
7. With or without side shield flange

b. Class 2 Protectors – Goggles

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Cup or body configuration
2. Manufacturing process, i.e., compression molding, injection molding, vacuum forming, etc.

Characteristics that should not affect the model's ability to meet the performance requirements of the standard and therefore would not require a new model designation:

1. Another certified material
2. Ventilation method
3. Bridge
4. Lenses and plates
5. Color
6. Accessories or attachments

c. Class 3 Protectors – Welding Protection – Helmets

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Manufacturing process, i.e., compression molding, injection molding, etc.
2. Shell configuration

Characteristics that should not affect the model's ability to meet the performance requirements of the standard and therefore would not require a new model designation:

1. Size of window opening
2. Stationary or lift fronts
3. Suspension method

- 4. Color
- 5. Accessories or attachments

d. Class 4 Protectors – Welding Protection – Hand Shields

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

- 1. Manufacturing process, i.e., compression molding, injection molding, etc.
- 2. Shell configuration

Characteristics that should not affect the model's ability to meet the performance requirements of the standard and therefore would not require a new model designation:

- 1. Size of window opening
- 2. Stationary or lift fronts
- 3. Suspension method
- 4. Color
- 5. Accessories or attachments

e. Class 5 Protectors – Welding Protection – Hoods

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

- 1. Window attachment system
- 2. Manufacturing process

Characteristics that should not affect the model's ability to meet the performance requirements of the standard and therefore would not require a new model designation:

- 1. Dimensions, color and material
- 2. Stationary or lift fronts

f. Class 6 Protectors- Face Shields

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

- 1. Window attachment system
- 2. Suspension

Characteristics that should not affect the model's ability to meet the performance requirements of the standard and therefore would not require a new model designation:

- 1. Headgear color
- 2. Size of crown protector
- 3. Visor dimensions, color and material

g. Respirator Facepiece

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

- 1. Manufacturing process
- 2. Facepiece configuration/shape/field of view dimensions

Characteristics that should not affect the model's ability to meet the performance requirements of the standard and therefore would not require a new model designation:

1. Accessories or attachments
2. Stationary or lift fronts
3. Color

### B. Attributes and Variables

SEI currently has approved two (2) laboratories that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

For the CSA requirements note that Section 1 is to be added to all Classes of protective products in Section 2 and then the appropriate product type must be added from Section 3 for the complete certification requirement.



Safety Equipment Institute

# SEI Certification Program Manual

Section 23: Head Protection Program

### 23.0 Head Protection Program Standards

- **ANSI/ISEA 100-2024 Industrial Bump Caps**
- **ANSI/ISEA Z89.1-14 (R2019) Industrial Head Protection**
- **CSA Z94.1-2015 (R2024) Industrial Protective Headwear**

### 23.1 Certification Submittal Package

A Certification Submittal Package shall include an SEI Certification Submittal form (*see Form 8.0: SEI Certification Submittal Form*) and a Components & Materials Description Checklist form (*see Section 23B: General Components & Materials Description Checklist*) for each product model, variant or accessory being submitted. Completion of the submittal package serves four primary purposes:

1. The submittal package provides SEI and the SEI Quality Assurance Auditor with a description of new, modified or products to be selected for annual certification.
2. The information provided by the manufacturer in the submittal package confirms to SEI the product design and components.
3. Receipt of the submittal by the testing laboratory, from SEI, serves as the laboratory's authorization to begin testing the product(s) and allows laboratory personnel to verify that the correct product samples have been received.
4. The return of a signed copy of the submittal form from the testing laboratory provides SEI with a record of the date testing was completed on the product model.

Over the life of the product, subsequent submittal packages shall document that the product model submitted for certification testing is identical to samples **previously** tested, except where Class I model changes have been tested and documented through the submission of additional SEI submittal packages or documented Class II changes have been made. It is therefore necessary that each submittal to SEI include sufficient product description information, which is achieved by a complete components and materials listing to uniquely and unambiguously identify the product model in question (*see Section 14: Product Changes*).

#### SEI Certification Submittal Form

Each submittal must be identified on the submittal form as either (1) initial certification, (2) annual recertification, (3) Class I change, or (4) Class II change. Finished product manufacturing facilities (assembly) located at a different address (i.e. suppliers or company-owned factories) shall be identified in Section 3 of the submittal form. The SEI Certification Submittal Form shall be signed by the authorized manufacturer representative within the participating company having the authority to authorize expenditures for testing.

### Components & Materials Description List

The product description information may be (a) listed on the Component and Materials Description Checklist form, (b) provided as a separate listing by the manufacturer (i.e. Bill of Materials), or (c) appropriate engineering drawings/ specification sheets. Use of *Section 23B: General Components and Materials Description Checklist* form is recommended. The following information is to be included on each Components & Materials Description Checklist. Brief examples are provided for guidance.

A. Description of Major Components

All major components and materials shall be identified and described. Where possible, include brand name and part number, supplier name and location.

B. Primary Materials

Materials used in the construction of major components shall be identified. Identification shall include trade names, if applicable. All changes shall be reported to SEI for evaluation and possible action.

C. Manufacturing Locations

All locations in which the product model is manufactured or assembled must be identified on the SEI Certification Submittal Form. If major components are manufactured by another company and purchased by the SEI participants, the name and address of the manufacturing facility and contact name shall be identified on the Components & Materials Description Checklist.

D. Specification Sheets or Technical Bills of Materials

Product specification sheets or technical bills of materials (BOM) may be included with the SEI Certification Submittal Form in addition to the Components & Materials description checklist to fulfill some or all other requirements noted above. In the case of annual recertification, the appropriate documents (i.e., submittal form and components and materials listing or BOM) shall be prepared prior to the sample selection audit and available to the auditor during the audit for reference and confirmation of product.

E. Confidentiality

All product information received by SEI staff, the SEI Quality Assurance Auditor, or the SEI testing laboratory shall be considered confidential and shall not be released to any third party without written authorization to do so (with the exceptions noted *Section 3: Manufacturer's Agreement* for response to a subpoena, court order or other compulsory process).

### 23.2 Head Protection Products Program Codes

SEI utilizes SEI Reference Numbers internally to identify each SEI participant and their unique models and variants. The first set of two or three letters/numbers indicates which standard program code the model/variant is being certified against. The second set of three letters indicates the SEI participant's unique identification. The third set of numbers is assigned by SEI to identify each model (see definition below) being certified.

e.g.: BBH ABC 03

e.g.: BBH ABC V03

Where BBH identifies the standard program code

Where ABC identifies the unique participant identification

Where 03 identifies the model submitted for certification

Where V03 identifies the model as the third variant (V03) for this Participant Identification (ABC)

| SEI Reference Program Code | Standard Description                                      | Product Type                   | Standard        |
|----------------------------|-----------------------------------------------------------|--------------------------------|-----------------|
| IBC                        | American National Standard for Industrial Bump Caps       | Industrial Bump Cap            | ANSI/ISEA 100   |
| HD                         | American National Standard for Industrial Head Protection | Industrial Head Protection     | ANSI/ISEA Z89.1 |
| HD1                        | Standard on Industrial Protective Headwear                | Industrial Protective Headwear | CSA Z94.1       |

### 23.3 Definition of a “Model”

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device’s performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria.

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Basic raw material
2. Suspensions (materials or type)
3. Mechanisms for attaching accessories

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Color
2. Size
3. Same generic raw materials from different sources of supply
4. Suspension orientation

B. Examples of Major components

1. Outer shell
2. Inner impact liner
3. Retention and/or suspension systems components

#### 23.4 Annual Certification Fees

Testing shall be performed annually. When an initial submittal package is submitted to SEI, the Annual Participation Fees (*See Section 7: Annual Participation Fees*) and Annual Model Certification Fees are due. The following is a schedule of annual model certification fees that apply to the Head Protection Program:

| Program Code | Model Type      | Annual Model Certification Fees |
|--------------|-----------------|---------------------------------|
| IBC          | Base Model      | \$597                           |
|              | Variant Model   | \$339                           |
|              | Accessory Model | \$169                           |
| HD, HD1      | Base Model      | \$567                           |
|              | Variant Model   | \$309                           |
|              | Accessory Model | \$139                           |

#### 23.5 ANSI/ISEA Z100 Industrial Bump Caps

A. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved two (2) laboratories that may conduct testing to this standard.

The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 23.6 ANSI/ISEA Z89.1 Industrial Head Protection Standard

#### B. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved four (4) laboratories that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 23.7 CSA Z94.1 Industrial Protective Headwear

#### A. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved three (3) laboratories that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.



Safety Equipment Institute

# SEI Certification Program Manual

Section 26: ANSI/ASTM/CSA Equipment and Footwear Program

## 26.0 ANSI/ASTM/CSA Equipment and Footwear Program Standards

- ASTM F2413-24 Protective Footwear (Safety)
- ASTM F2892-24 Protective Footwear (Soft Toe)
- CAN/CSA Z195-14 (R2023~~3~~5) Protective Footwear

### 26.1 Certification Submittal Package

A Certification Submittal Package shall include an SEI Certification Submittal form (*see Form 8.0: SEI Certification Submittal Form*) and a Components & Materials Description Checklist form (*see Section 26B: General Components & Materials Description Checklist*) for each product model, variant or accessory being submitted. Completion of the submittal package serves four primary purposes:

1. The submittal package provides SEI and the SEI Quality Assurance Auditor with a description of new, modified or products to be selected for annual certification.
2. The information provided by the manufacturer in the submittal package confirms to SEI the product design and components.
3. Receipt of the submittal package by the testing laboratory, from SEI, serves as the laboratory's authorization to begin testing the product(s) and allows laboratory personnel to verify that the correct product samples have been received.
4. The return of a signed copy of the submittal form from the testing laboratory provides SEI with a record of the date testing was completed on the product model.

Over the life of the product, subsequent submittal packages shall document that the product model submitted for certification testing is identical to samples **previously** tested, except where Class I model changes have been tested and documented through the submission of additional SEI submittal packages or documented Class II changes have been made. It is therefore necessary that each submittal to SEI include sufficient product description information, which is achieved by a complete components and materials listing to uniquely and unambiguously identify the product model in question (*see Section 14: Product Changes*).

#### SEI Certification Submittal Form

Each submittal must be identified on the submittal form as either (1) initial certification, (2) annual recertification, (3) Class I change, or (4) Class II change. Finished product manufacturing facilities (assembly) located at a different address (i.e. suppliers or company-owned factories) shall be identified in Section 3 of the submittal form. The SEI Certification Submittal Form shall be signed by the authorized manufacturer representative within the participating company having the authority to authorize expenditures for testing.

### Components & Materials Description List

The product description information may be (a) listed on the Component and Materials Description Checklist form, (b) provided as a separate listing by the manufacturer (i.e. Bill of Materials), or (c) appropriate engineering drawings/ specification sheets. Use of *Section 26B: General Components and Materials Description Checklist* form is recommended. The following information is to be included on each Components & Materials Description Checklist. Brief examples are provided for guidance.

A. Description of Major Components

All major components and materials shall be identified and described. Where possible, include brand name and part number, supplier name and location.

B. Primary Materials

Materials used in the construction of major components shall be identified. Identification shall include trade names, if applicable. All changes shall be reported to SEI for evaluation and possible action.

C. Manufacturing Locations

All locations in which the product model is manufactured or assembled must be identified on the SEI Certification Submittal Form. If major components are manufactured by another company and purchased by the SEI participants, the name and address of the manufacturing facility and contact name shall be identified on the Components & Materials Description Checklist.

D. Specification Sheets or Technical Bills of Materials

Product specification sheets or technical bills of materials (BOM) may be included with the SEI Certification Submittal Form in addition to the Components & Materials description checklist to fulfill some or all other requirements noted above. In the case of annual recertification, the appropriate documents (i.e., submittal form and components and materials listing or BOM) shall be prepared prior to the sample selection audit and available to the auditor during the audit for reference and confirmation of product.

E. Confidentiality

All product information received by SEI staff, the SEI Quality Assurance Auditor, or the SEI testing laboratory shall be considered confidential and shall not be released to any third party without written authorization to do so (with the exceptions noted *Section 3: Manufacturer's Agreement* for response to a subpoena, court order or other compulsory process).

**26.2 Protective Footwear Program Codes**

| SEI Reference Program Code | Standard Description                                                                                                   | Product Type                 | Standard     |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|
| <b>PF</b>                  | Standard Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear                           | Protective Footwear          | ASTM F2413   |
| <b>PFT</b>                 | Standard Specification for Performance Requirements for Soft Toe Protective Footwear (Non-Safety / Non-Protective Toe) | Soft Toe Protective Footwear | ASTM F2892   |
| <b>PFC</b>                 | Standard on Protective Footwear                                                                                        | Protective Footwear          | CAN/CSA Z195 |

SEI utilizes SEI Reference Numbers internally to identify each SEI participant and their unique models and variants. The first set of two or three letters/numbers indicates which standard program code the model/variant is being certified against. The second set of three letters indicates the SEI participant's unique identification. The third set of numbers is assigned by SEI to identify each model (see definition below) being certified.

e.g.: BBH ABC 03

e.g.: BBH ABC V03

Where BBH identifies the standard program code

Where ABC identifies the unique participant identification

Where 03 identifies the model submitted for certification

Where V03 identifies the model as the third variant (V03) for this Participant Identification (ABC)

### 26.3 Definition of a “Model”

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device’s performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria.

### 26.4 Annual Certification Fees

Testing shall be performed annually. When an initial submittal package is submitted to SEI, the Annual Participation Fees (*See Section 7: Annual Participation Fees*) and Annual Model Certification Fees are due. The following is a schedule of annual model certification fees that apply to the Protective Clothing Program:

| Program Code | Model Type      | Annual Model Certification Fees |
|--------------|-----------------|---------------------------------|
| PF, PFT, PFC | Base Model      | \$1,051                         |
|              | Variant Model   | \$206                           |
|              | Accessory Model | \$139                           |

**26.5 ASTM F2413 and ASTM F2892 Protective Footwear****A. Definition of Model**

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Upper material- composition, thickness or design
2. Sole material- composition, thickness or design
3. Footwear configuration
4. Change in thread type
5. Stud hook/ eyelet- composition or installation method
6. Change in closure method/ materials
7. Change in protective device (e.g., toe cap, shank)
8. Change in adhesives

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Color
2. Accessory options (e.g., straps)
3. Size

**B. Examples of Major Components**

1. Upper material – listing all layers
2. Color
3. Sizes of each style
4. Threads
5. Sole Materials
6. Closure types
7. Toe cap
8. Ladder shank
9. Sole plates

**C. Laboratory Testing Fees / Attributes & Variables**

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

**26.6 CAN/CSA Z195 Protective Footwear****A. Definition of Model**

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Upper material- composition, thickness or design
2. Sole material- composition, thickness or design
3. Footwear configuration
4. Change in thread type
5. Stud hook/eyelet – composition or installation method
6. Change in closure method/materials
7. Change in protective device (e.g., toe cap, shank)
8. Change in adhesives

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Color
2. Accessory options (e.g., straps)
3. Size

**B. Examples of Major Components**

1. Upper material – listing all layers
2. Color
3. Sizes of each style
4. Threads
5. Sole Materials
6. Closure types
7. Toe cap
8. Ladder shank
9. Sole plates

**C. Laboratory Testing Fees/ Attributes & Variables**

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.



Safety Equipment Institute

# SEI Certification Program Manual

Section 27: Recreational Program

### 27.0 Recreational Program Standards

- **ASTM F1163-23** Headgear Used in Horse Sports and Horseback Riding
- **ASTM F1937-04 (R2023)** Body Protectors Used in Horse Sports and Horseback Riding
- **ASTM F2040-18** Standard Specification for Helmets Used in Recreational Snow Sports
- **ASTM F2530-13 (R2020<sup>5</sup>)** Headgear with Face Guard Used in Bull Riding
- **ASTM F2681-18 (R2023)** Standard Test Methods for Body Protectors Used in Equine Racing
- **ASTM F2713-21** Eye Protectors for Field Hockey
- **CAN/CSA Z263.1-14** Recreational Alpine Skiing and Snowboarding Helmets

### 27.1 Certification Submittal Package

A Certification Submittal Package shall include an SEI Certification Submittal form (*see Form 8.0: SEI Certification Submittal Form*) and a Components & Materials Description Checklist form (*see Section 27B: General Components & Materials Description Checklist and 27C: Equestrian Helmet Components & Materials Description Checklist*) for each product model, variant or accessory being submitted.

Completion of the submittal package serves four primary purposes:

1. The submittal package provides SEI and the SEI Quality Assurance Auditor with a description of new, modified or products to be selected for annual certification.
2. The information provided by the manufacturer in the submittal package confirms to SEI the product design and components.
3. Receipt of the submittal by the testing laboratory, from SEI, serves as the laboratory's authorization to begin testing the product(s) and allows laboratory personnel to verify that the correct product samples have been received.
4. The return of a signed copy of the submittal form from the testing laboratory provides SEI with a record of the date testing was completed on the product model.

Over the life of the product, subsequent submittal packages shall document that the product model submitted for certification testing is identical to samples **previously** tested, except where Class I model changes have been tested and documented through the submission of additional SEI submittal packages or documented Class II changes have been made. It is therefore necessary that each submittal to SEI include sufficient product description information, which is achieved by a complete components and materials listing to uniquely and unambiguously identify the product model in question (*see Section 14: Product Changes*).

#### SEI Certification Submittal Form

Each submittal must be identified on the submittal form as either (1) initial certification, (2) annual recertification, (3) Class I change, or (4) Class II change. Finished product manufacturing facilities

(assembly) located at a different address (i.e. suppliers or company-owned factories) shall be identified in Section 3 of the submittal form. The SEI Certification Submittal Form shall be signed by the authorized manufacturer representative within the participating company having the authority to authorize expenditures for testing.

### Components & Materials Description List

The product description information may be (a) listed on the Component and Materials Description Checklist form, (b) provided as a separate listing by the manufacturer (i.e. Bill of Materials), or (c) appropriate engineering drawings/ specification sheets. Use of *Section 27B: General Components and Materials Description Checklist* or *27C: Equestrian Helmet Components and Materials Description Checklist* form is recommended. The following information is to be included on each Components & Materials Description Checklist. Brief examples are provided for guidance.

#### A. Description of Major Components

All major components and materials shall be identified and described. Where possible, include brand name and part number, supplier name and location.

#### B. Primary Materials

Materials used in the construction of major components shall be identified. Identification shall include trade names, if applicable. All changes shall be reported to SEI for evaluation and possible action.

#### C. Manufacturing Locations

All locations in which the product model is manufactured or assembled must be identified on the SEI Certification Submittal Form. If major components are manufactured by another company and purchased by the SEI participants, the name and address of the manufacturing facility and contact name shall be identified on the Components & Materials Description Checklist.

#### D. Specification Sheets or Technical Bills of Materials

Product specification sheets or technical bills of materials (BOM) may be included with the SEI Certification Submittal Form in addition to the Components & Materials description checklist to fulfill some or all other requirements noted above. In the case of annual recertification, the appropriate documents (i.e., submittal form and components and materials listing or BOM) shall be prepared prior to the sample selection audit and available to the auditor during the audit for reference and confirmation of product.

**E. Confidentiality**

All product information received by SEI staff, the SEI Quality Assurance Auditor, or the SEI testing laboratory shall be considered confidential and shall not be released to any third party without written authorization to do so (with the exceptions noted *Section 3: Manufacturer's Agreement* for response to a subpoena, court order or other compulsory process).

**27.2 Recreational Products Program Codes**

SEI utilizes SEI Reference Numbers internally to identify each SEI participant and their unique models and variants. The first set of two or three letters/numbers indicates which standard program code the model/variant is being certified against. The second set of three letters indicates the SEI participant's unique identification. The third set of numbers is assigned by SEI to identify each model (see definition below) being certified.

e.g.: BBH ABC 03

e.g.: BBH ABC V03

Where BBH identifies the standard program code

Where ABC identifies the unique participant identification

Where 03 identifies the model submitted for certification

Where V03 identifies the model as the third variant (V03) for this Participant Identification (ABC)

| SEI Reference Program Code | Standard Description                                                | Product Type                  | Standard       |
|----------------------------|---------------------------------------------------------------------|-------------------------------|----------------|
| EH                         | Standard on Headgear used in Horse Sports and Horseback Riding      | Equestrian Helmets            | ASTM F1163     |
| BP                         | Body Protectors used in Horse sports and horseback riding           | Equine Body Protectors        | ASTM F1937     |
| SS                         | Standard specification for helmets used in recreational snow sports | Snow Sports Helmet            | ASTM F2040     |
| BR                         | Standard on Headgear with face guard used in Bull Riding            | Bull Riding Helmet            | ASTM F2530     |
| ER                         | Standard Test Methods for body protectors used in Equine racing     | Equine racing body protectors | ASTM F2681     |
| AS                         | Standard on recreational Alpine Skiing and Snowboard Helmets        | Ski and snowboard helmets     | CAN/CSA Z263.1 |

|            |                                 |                             |            |
|------------|---------------------------------|-----------------------------|------------|
| <b>FEP</b> | Eye Protectors for Field Hockey | Field Hockey eye protectors | ASTM F2713 |
|------------|---------------------------------|-----------------------------|------------|

### 27.3 Definition of a “Model”

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device’s performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria.

### 27.4 Annual Certification Fees

Testing shall be performed annually. When an initial submittal package is submitted to SEI, the Annual Participation Fees (*See Section 7: Annual Participation Fees*) and Annual Model Certification Fees are due. The following is a schedule of annual model certification fees that apply to the Recreational Products Program:

| Program Code   | Model Type      | Annual Model Certification Fees |
|----------------|-----------------|---------------------------------|
| BP             | Base Model      | \$721                           |
|                | Variant Model   | \$206                           |
|                | Accessory Model | \$139                           |
| EH, SS, BR, AS | Base Model      | \$567                           |
|                | Variant Model   | \$206                           |
|                | Accessory Model | \$139                           |
| ER, FEP        | Base Model      | \$670                           |
|                | Variant Model   | \$206                           |
|                | Accessory Model | \$139                           |

### 27.5 ASTM F1163 Headgear Used in Horse Sports and Horseback Riding

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard:

1. Geometry
2. Raw material
3. Suspension liner density
4. Retention system
5. Shell and/ or liner size
6. Change in manufacturing location (final assembly or critical component supplier)

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard:

1. Shell Color
2. Same generic raw materials from different sources of supply
3. Comfort padding

#### B. Examples of Major Components

1. Outer shell
2. Inner impact liner
3. Retention and/or suspension system components
4. Outer shell or retention system covering

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved three (3) laboratories that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 27.6 ASTM F1937 Body Protectors Used in Horse Sports and Horseback Riding

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Change in outer fabric (except color) when the fabric is a supporting 'structure'
2. Change in energy managing materials or dimensions
3. Change in closure type or material
4. Point-loading add-ons (studs, etc.)

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Change in color
2. Ornamental additions such as pockets or decorative stitching (Potential 'point loading' add-ons, like studs, would be a Class I change).
3. Change in packaging or non-standard controlled labeling.

#### B. Examples of Major Components

1. Impact foam
2. Fabric shell
3. Closures and zippers

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 27.7 ASTM F2040 Standard Specification for Helmets Used in Recreational Snow Sports

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

5. Geometry
6. Raw material
7. Suspension liner density
8. Retention system
9. Shell and/or liner size
10. Liner Bead Color

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Shell color
2. Same generic raw materials from different sources of supply
3. Comfort padding

#### B. Examples of Major Components

1. Outer shell
2. Inner impact liner
3. Retention and/or suspension system components

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 27.8 ASTM F2530 Bull Riding Headgear

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Geometry
2. Raw material
3. Suspension liner density
4. Retention system
5. Shell and/ or liner size
6. Change in manufacturing location (final assembly or critical component supplier)
1. Faceguard geometry and/or material

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Shell color
2. Same generic raw materials from different sources of supply
3. Comfort padding

#### B. Examples of Major Components

1. Outer shell
2. Inner impact liner
3. Retention and/or suspension system components
4. Faceguard

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved two (2) laboratories that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 27.9 ASTM F2681 Standard Test Methods for Body Protectors Used in Equine Racing

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Change in outer fabric (except color) when the fabric is a supporting 'structure'
2. Change in energy managing materials or dimensions
3. Change in closure type or material
4. Point-loading add-ons (studs, etc.)

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Change in color
2. Ornamental additions such as pockets or decorative stitching (Potential 'point loading' add-ons, like studs, would be a Class I change).
3. Change in packaging or non-standard controlled labeling.

#### B. Examples of Major Components

1. Impact foam
2. Fabric shell
3. Closures and zippers

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 27.10 CAN/ CSA Z263.1 Recreational Alpine Skiing and Snowboarding Helmets

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Geometry
2. Raw material
3. Suspension liner density
4. Retention system
5. Shell and/or liner size
6. Liner Bead Color

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Shell color
2. Same generic raw materials from different sources of supply
3. Comfort padding

#### B. Examples of Major Components

1. Outer shell
2. Inner impact liner
3. Retention and/or suspension system components

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 27.11 ASTM F2713 Eye Protectors for Field Hockey

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Shape/geometry
2. Material (frame, lens, or strap)
3. Size – frame or lens
4. Lens manufacturing process ( i.e., compression molding, injection molding, vacuum forming, etc.)

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Material color
2. Lens color
3. Same generic raw materials from a different supplier

#### B. Examples of Major Components

1. Frame
2. Lens
3. Strap

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.



Safety Equipment Institute

# SEI Certification Program Manual

Section 29: Industrial Protective Clothing and Equipment Program

### 29.0 ASTM and NFPA Industrial Protective Clothing and Equipment Program Standards and Specifications

- ASTM F1506-22 **5** Flame Resistant and Arc Rated Textile Materials for Electrical Apparel
- NFPA 2112-23 Flash Fire Garments

#### 29.1 Certification Submittal Package

A Certification Submittal Package shall include an SEI Certification Submittal form (*see Form 8.0: SEI Certification Submittal Form*), a Components & Materials Description Checklist form (*see Section 29B: General Components & Materials Description Checklist*) for each element or material component, product model, variant or accessory being submitted. Completion of the submittal package serves four primary purposes:

1. The submittal package provides SEI and the SEI Quality Assurance Auditor with a description of new, modified or existing products to be selected for annual certification.
2. The information provided by the manufacturer in the submittal package confirms to SEI the product design and components.
3. Receipt of the submittal package by the testing laboratory, from SEI, serves as the laboratory's authorization to begin testing the product(s) and allows laboratory personnel to verify that the correct product samples have been received.
4. The return of a signed copy of the submittal form from the testing laboratory provides SEI with a record of the date testing was completed on the product model.

Over the life of the product, subsequent submittal packages shall document that the product model submitted for certification testing is identical to samples **previously** tested, except where Class I model changes have been tested and documented through the submission of additional SEI submittal packages or documented Class II changes have been made. It is therefore necessary that each submittal to SEI include sufficient product description information, which is achieved by a complete components and materials listing to uniquely and unambiguously identify the product model in question (*see Section 14: Product Changes*).

### SEI Certification Submittal Form

Each submittal must be identified on the submittal form as either (1) initial certification, (2) annual certification, (3) Class I change, or (4) Class II change. Finished product manufacturing facilities (assembly) located at a different address (i.e. suppliers or company-owned factories) shall be identified in Section 3 of the submittal form. The SEI Certification Submittal Form shall be signed by the authorized manufacturer representative within the participating company having the authority to authorize expenditures for testing.

### Components & Materials Description List

The product description information may be (a) listed on the Component and Materials Description Checklist form, (b) provided as a separate listing by the manufacturer (i.e. Bill of Materials), or (c) appropriate engineering drawings/ specification sheets. Use of *Section 29B: General Components and Materials Description Checklist* form is recommended. The following information is to be included on each Components & Materials Description Checklist. Brief examples are provided for guidance.

#### A. Description of Major Components

All major components and materials shall be identified and described. Where possible, include brand name and part number, supplier name and location.

#### B. Primary Materials

Materials used in the construction of major components shall be identified. Identification shall include trade names, if applicable. All changes shall be reported to SEI for evaluation and possible action.

#### C. Manufacturing Locations

All locations in which the product model is manufactured or assembled must be identified on the SEI Certification Submittal Form. If major components are manufactured by another company and purchased by the SEI participants, the name and address of the manufacturing facility and contact name shall be identified on the Components & Materials Description Checklist.

#### D. Specification Sheets or Technical Bills of Materials

Product specification sheets or technical bills of materials (BOM) may be included with the SEI Certification Submittal Form in addition to the Components & Materials description checklist to fulfill some or all other requirements noted above. In the case of annual recertification, the appropriate documents (i.e., submittal form and components and materials listing or BOM) shall be prepared prior to the sample selection audit and available to the auditor during the audit for reference and confirmation of product.

### E. Confidentiality

All product information received by SEI staff, the SEI Quality Assurance Auditor, or the SEI testing laboratory shall be considered confidential and shall not be released to any third party without written authorization from the manufacturer to do so (with the exceptions noted in *Section 3: Manufacturer's Agreement* for response to a subpoena, court order or other compulsory process).

### User Guide and Label Checklist

If applicable, a User Guide and Label are required for protective ensemble and ensemble elements. The standards specify the minimum information that must be presented, and each manufacturer may provide as much information about the products as they deem necessary to use the products safely. However, the standard does not specify or require a set format for presenting this information. As a result, there are many ways a User Guide or Label can be arranged and presented, which is up to the discretion of each manufacturer.

Typically, element or material components are not required by the standard or specification to include a label or user guide. However, *Section 17: Use of the SEI Certification Mark* of the SEI Certification Program Manual (CPM) does require the use of a component model certification mark.

## 29.2 Industrial Protective Clothing and Equipment Program Codes

SEI utilizes SEI Reference Numbers internally to identify each SEI participant and their unique models and variants. The first set of two or three letters/numbers indicates which standard program code the model/variant is being certified against. The second set of three letters indicates the SEI participant's unique identification. The third set of numbers are assigned by SEI to identify each model (see definition below) being certified.

eg: BBH ABC 03

eg: BBH ABC V03

Where BBH identifies the standard program code

Where ABC identifies the unique participant identification

Where 03 identifies the model submitted for certification

Where V03 identifies the model as the third variant (V03) for this Participant Identification (ABC)

| SEI Reference Program Code | Standard Description                                                                           | Product Type                            | Standard   |
|----------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------|------------|
| FRA                        | Standard on Flame Resistant and Arc Rated Textile Materials                                    | Flame Resistant and Arc Rated Component | ASTM F1506 |
| IFF                        | Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire | Flash Fire Flame Resistant Garment      | NFPA 2112  |

## 29.3 Definition of a “Model”

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device’s performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria.

#### 29.4 Annual Certification Fees

Testing shall be performed annually. When an initial submittal package is submitted to SEI, the Annual Participation Fees (*See Section 7: Annual Participation Fees*) and Annual Model Certification Fees are due. The following is a schedule of annual model certification fees that apply to the Industrial PPE Products Program

| Program Code                                | Model Type      | Annual Model Certification Fees |
|---------------------------------------------|-----------------|---------------------------------|
| IFF, FRA                                    | Base Model      | \$927                           |
|                                             | Variant Model   | \$309                           |
|                                             | Accessory Model | \$139                           |
| IFF, FRA Solely Using Shared Component Data | Base Model      | \$309                           |
|                                             | Variant Model   | \$309                           |
|                                             | Accessory Model | \$309                           |

### 29.5 ASTM F1506 Flame Resistant and Arc Rated Textile Materials for Electrical Apparel

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Material, composition, thickness or design
2. Seam construction, techniques and design
3. Garment configuration
4. Thread material and composition
5. Color (Arc Testing Only)

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Color (Non-Arc Testing)
2. Clothing design options (e.g., pockets, if made from same base material)
3. Size

#### B. Examples of Major Components

Not applicable for this product

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 29.6 NFPA 2112 Flash Fire Garments

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Material, composition, thickness or design
2. Seam construction, techniques and design
3. Garment configuration
4. Thread material and composition

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

4. Color
5. Clothing design options (e.g., pockets, if made from same base material)
6. Size

#### B. Examples of Major Components

Not applicable for this product

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved two (2) laboratories that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.



Safety Equipment Institute

# SEI Certification Program Manual

Section 30: NOCSAE Athletic Equipment Program

### NOCSAE Athletic Equipment Standards

#### Baseball/Softball

- **ND022-21** Baseball/Softball Batter's Helmets
- **ND024-24** Baseball/Softball Catcher's Helmets with Faceguard
- **ND027-18** Baseballs
- **ND029-21** Baseball/Softball Fielder's Headgear
- **ND072-21** Baseball/Softball Batter's Helmet Mounted Face Protector
- **ND200-22** Chest Protectors for Commotio Cordis

#### Football

- **ND002-17** **25** Football Helmets
- **ND006-23** Youth Football Helmets
- **ND019-10** Football Players Hand Coverings
- **ND087-24** Football Faceguards

#### Hockey

- **ND030-11** Hockey Helmets
- **ND035-11** Hockey Face Protectors

#### Lacrosse

- **ND041-15** Lacrosse Helmets with Faceguards
- **ND045-17** Lacrosse Face Protectors
- **ND049-19** Lacrosse Balls
- **ND200-22** Chest Protectors for Commotio Cordis

#### Polo

- **ND050-11** Polo Helmets
- **ND055-11** Helmet Mounted Polo Eye Protection

#### Soccer

- **ND090-06** Soccer Shin Guards

#### Field Hockey

- **ND061-14** Field Hockey Headgear
- **ND069-14** Field Hockey Balls

#### Hardware

- **ND015-15** Hardware Corrosion Characteristics

### 30.1 Preface

This document is intended for use in the certification of products to the NOCSAE performance specifications. Due to specific requirements and nuances of the SEI/NOCSAE certification program, information within this document supersedes certain sections of the nonprogram specific SEI Certification Program Manual sections 1 through 19.

### 30.2 Certification Submittal Package

The existence of an executed, valid license agreement with NOCSAE is prerequisite to SEI issuing certification. A Certification Submittal Package shall include an SEI NOCSAE Certification Submittal Package (*see Section 30A SEI NOCSAE Submittal Package*) for each product model, variant or accessory being submitted. Completion of the submittal package serves four primary purposes:

1. The submittal package provides SEI and the SEI Quality Assurance Auditor with a description of new, modified or existing products to be selected for annual certification.
2. The information provided by the manufacturer in the submittal package confirms to SEI the product design and components.
3. Receipt of the submittal package by the testing laboratory, from SEI, serves as the laboratory's authorization to begin testing the product(s) and allows laboratory personnel to verify that the correct product samples have been received.
4. The return of a signed copy of the submittal form from the testing laboratory provides SEI with a record of the date testing was completed on the product model.

Over the life of the product, subsequent submittal packages shall document that the product model submitted for certification testing is identical to samples **previously** tested, except where Class I model changes have been tested and documented through the submission of additional SEI submittal packages or documented Class II changes have been made. It is therefore necessary that each submittal to SEI include sufficient product description information, which is achieved by a complete components and materials listing to uniquely and unambiguously identify the product model in question (see Section 14: Product Changes).

#### SEI Certification Submittal Package

Each submittal must be identified on the submittal package as either (1) initial certification, (2) annual certification, (3) Class I change, or (4) Class II change. Finished product manufacturing facilities (assembly) located at a different address (i.e. suppliers or company-owned factories) shall be identified. The SEI Certification Submittal Packages shall be signed by the authorized manufacturer representative within the participating company having the authority to authorize expenditures for testing.

#### Components & Materials Description List

The product description information may be (a) listed on the Component and Materials tab of the submittal package, provided as a separate listing by the manufacturer (i.e. Bill of Materials), or (b) appropriate engineering drawings/ specification sheets. The following information is to be included on each Components & Materials Description. Brief examples are provided for guidance.

### A. Description of Major Components

All major components and materials shall be identified and described. Where possible, include brand name and part number, supplier name and location.

### B. Primary Materials

Materials used in the construction of major components shall be identified. Identification shall include trade names, if applicable. All changes shall be reported to SEI for evaluation and possible action.

### C. Manufacturing Locations

All locations in which the product model is manufactured or assembled must be identified on the SEI Certification Submittal Form. If major components are manufactured by another company and purchased by the SEI participants, the name and address of the manufacturing facility and contact name shall be identified on the Components & Materials Description Checklist.

### D. Specification Sheets or Technical Bills of Materials

Product specification sheets or technical bills of materials (BOM) may be included with the SEI Certification Submittal Form in addition to the Components & Materials description checklist to fulfill some or all other requirements noted above. In the case of annual recertification, the appropriate documents (i.e., submittal form and components and materials listing or BOM) shall be prepared prior to the sample selection audit and available to the auditor during the audit for reference and confirmation of product.

### E. Confidentiality

All product information received by SEI staff, the SEI Quality Assurance Auditor, or the SEI testing laboratory shall be considered confidential and shall not be released to any third party without written authorization to do so (with the exceptions noted in *Section 30F: SEI Manufacturer's Agreement: NOCSAE Athletic Equipment Certification Program* for response to a subpoena, court order or other compulsory process).

**30.3 NOCSAE Athletic Equipment Program Codes**

SEI utilizes SEI Reference Numbers internally to identify each SEI participant and their unique models and variants. The first set of three letters indicates which standard the model/variant is being certified to. The second set of three letters indicates the SEI participant's identification. The numbers are used chronologically to indicate each model being certified.

eg: BBH ABC 01 (ABC = Participant name)

| SEI Reference Program Code | Standard Description                                                                                               | Product Type                                                     | Standard |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------|
| <b>BBH</b>                 | Standard Performance Specification for Newly Manufactured Baseball/Softball Batter's Helmets                       | NOCSAE: Baseball/Softball Batter's Helmets                       | ND022    |
| <b>BCH</b>                 | Standard Performance Specification for Newly Manufactured Baseball/Softball Catcher's Helmets with Faceguards      | NOCSAE: Baseball/Softball Catcher's Helmets with Faceguard       | ND024    |
| <b>BSB</b>                 | Standard Performance Specification for Newly Manufactured Baseballs                                                | NOCSAE: Baseballs                                                | ND027    |
| <b>BFH</b>                 | Standard Performance Specification for Newly Manufactured Baseball/Softball Fielder's Headgear                     | NOCSAE: Baseball/Softball Fielder's Headgear                     | ND029    |
| <b>BFG</b>                 | Standard Performance Specification for Newly Manufactured Baseball/Softball Batter's Helmet Mounted Face Protector | NOCSAE: Baseball/Softball Batter's Helmet Mounted Face Protector | ND072    |
| <b>FH</b>                  | Standard Performance Specification for Newly Manufactured Football Helmets                                         | NOCSAE: Football Helmet                                          | ND002    |
| <b>FHY</b>                 | Standard Performance Specification for Newly Manufactured Youth Football Helmets                                   | NOCSAE: Youth Football Helmet                                    | ND006    |
| <b>FBG</b>                 | Standard Test Method and Performance Specification for Newly Manufactured Football Players Hand Coverings          | NOCSAE: Football Players Hand Coverings                          | ND019    |
| <b>FFM</b>                 | Standard Method of Impact Test and Performance Requirements for Football Faceguards                                | NOCSAE: Football Faceguards (Masks)                              | ND087    |
| <b>HH</b>                  | Standard Performance Specification for Newly Manufactured Hockey Helmets                                           | NOCSAE: Hockey Helmets                                           | ND030    |

| SEI Reference Program Code | Standard Description                                                                                                                          | Product Type                                    | Standard |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------|
| <b>HFG</b>                 | Standard Performance Specification for Newly Manufactured Hockey Face Protectors                                                              | NOCSAE: Hockey Face Protectors                  | ND035    |
| <b>LXH</b>                 | Standard Performance Specification for Newly Manufactured Lacrosse Helmets with Faceguard                                                     | NOCSAE: Lacrosse Helmets with Faceguards        | ND041    |
| <b>LXG</b>                 | Standard Performance Specification for Newly Manufactured Lacrosse Face Protectors                                                            | NOCSAE: Lacrosse Face Protectors                | ND045    |
| <b>LXB</b>                 | Standard Performance Specification for Newly Manufactured Lacrosse Balls                                                                      | NOCSAE: Lacrosse Balls                          | ND049    |
| <b>PH</b>                  | Standard Performance Specification for Newly Manufactured Polo Helmets                                                                        | NOCSAE: Polo Helmets                            | ND050    |
| <b>PEP</b>                 | Standard Performance Specification for Helmet Mounted Polo Eye Protection                                                                     | NOCSAE: Polo Helmet with Mounted Eye Protection | ND055    |
| <b>SG</b>                  | Standard Test Method and Performance Specification for Newly Manufactured Soccer Shin Guards                                                  | NOCSAE: Soccer Shin Guards                      | ND090    |
| <b>FHH</b>                 | Standard Performance Specification for Newly Manufactured Field Hockey Headgear                                                               | NOCSAE: Field Hockey Headgear                   | ND061    |
| <b>FHB</b>                 | Standard Performance Specification for Newly Manufactured Field Hockey Balls                                                                  | NOCSAE: Field Hockey Balls                      | ND069    |
| <b>HDW</b>                 | Standard Test Method and Specification Used in Evaluating the Corrosion Characteristics and Effects on Metallic Hardware Disassembly          | NOCSAE: Hardware Corrosion Characteristics      | ND015    |
| <b>CPB / CPL</b>           | Standard Test Method and Performance Specification Used in Evaluating the Performance Characteristics of Chest Protectors for Commotio Cordis | NOCSAE: Chest Protectors for Commotio Cordis    | ND200    |

### 30.4 Definition of a “Model” per SEI

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device’s performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria.

### 30.5 NOCSAE Athletic Helmets with or without Faceguards

- A. Definition of Model
  - 1. Characteristics that have the potential to affect the model’s ability to meet the performance requirement of a certification standard and therefore require a new model designation:
    - a. Basic raw material of:
      - 1. Shell
      - 2. Padding or energy absorbing system
      - 3. Chin strap or neck strap, if applicable
      - 4. Face protector or faceguard, if applicable
      - 5. Visor, if applicable
    - b. Mechanism for attaching accessories to the shell, If applicable
    - c. Manufacturing change for any critical component (e.g.: manufacturing technique, material, supplier location)
    - d. Basic design
    - e. Size
    - f. Labels and Markings
  - 2. Characteristics that are unlikely to affect the model’s ability to meet the performance requirement of a certification standard and therefore would not require a new model designation:
    - a. Paint and/or graphics
    - b. Comfort/Fit padding
- B. Examples of Major Components
  - 1. Shell
  - 2. Padding or energy absorbing system
  - 3. Chin strap or neck strap, if applicable
  - 4. Face protector or faceguard, if applicable
  - 5. Labels and Markings
- C. Applicable standards: NOCSAE ND 002, ND006, ND 022, ND 024, ND 029, ND 030, ND 041, ND 050, ND 061

### 30.6 NOCSAE Faceguards and Eye Protection

- A. Definition of Model
  - 1. Characteristics that have the potential to affect a model's ability to meet the performance requirement of a certification standard and therefore require a new model designation:
    - a. Basic raw material of:
      - 1. Face protector, Faceguard, or Eye Protector
      - 2. Chin strap or neck strap, if applicable
    - b. Mechanism for attaching guard/protector to the shell (i.e.: component parts)
    - c. Manufacturing change for any critical component (e.g.: manufacturing technique, material, supplier location)
    - d. Basic design
    - e. Size
    - f. Labels and Markings
  - 2. Characteristics that are unlikely to affect a model's ability to meet the performance requirement of a certification standard and therefore would not require a new model designation:
    - a. Paint and/or graphics
- B. Examples of Major Components
  - 1. Face protector, faceguard, eye protector
  - 2. Padding or energy absorbing system, if applicable
  - 3. Chin strap or neck strap, if applicable
  - 4. Labels and Markings
- C. Applicable standards: NOCSAE ND 035, ND 045, ND 055, ND 072, ND 087

### 30.7 NOCSAE Football Players Hand Coverings

- A. Definition of Model
  - 1. Characteristics that have the potential to affect a model's ability to meet the performance requirement of a certification standard and therefore require a new model designation:
    - a. Glove (or Hand Pad) material, composition and/or thickness that will affect substrate performance (Note: ND019 defines a hand pad as a covering for the hand that does not have full coverage of the hand.)
    - b. Palm material
    - c. Basic design
    - d. Seam construction technique or design
    - e. Webbing
    - f. Labels and Markings

2. Characteristics that are unlikely to affect a model's ability to meet the performance requirement of a certification standard and therefore would not require a new model designation:
  - a. Basic design alterations not affecting glove circumference and length
  - b. Color changes that do not result in an effect on substrate performance
- B. Examples of Major Components
  1. Outer glove material
  2. Glove Palm material
  3. Labels and Markings
- C. Applicable standards: NOCSAE ND 019

### 30.8 NOCSAE Soccer Shin Guards

- A. Definition of Model
  1. Characteristics that have the potential to affect a model's ability to meet the performance requirement of a certification standard and therefore require a new model designation:
    - a. Primary protective component (component of guard that provides impact protection) of the shin guard material composition and/or thickness
    - b. Padding materials
    - c. Retention materials
    - d. Manufacturing change for any critical component (e.g.: manufacturing technique, material, supplier location)
    - e. Basic design
    - f. Shin Guard sizing where it could affect extent of protective coverage
    - g. Labels and Markings
  2. Characteristics that are unlikely to affect a model's ability to meet the performance requirement of a certification standard and therefore would not require a new model designation:
    - a. Basic design alterations not affecting shin guard extent of protective coverage
    - b. Color changes that do not affect shin guard primary protective component performance
- B. Examples of Major Components
  1. Primary protective shin guard component material (component of guard that provides impact protection)
  2. Shin guard padding material
  3. Retention System
  4. Labels and Markings
- C. Applicable standards: NOCSAE ND 090

### 30.9 NOCSAE Athletic Balls

- A. Definition of Model
  - 1. Characteristics that have the potential to affect a model's ability to meet the performance requirement of a certification standard and therefore require a new model designation:
    - a. Ball material(s) and composition (e.g.: chemical makeup, outer covering, inner core)
    - b. Manufacturing change for any critical component (e.g.: manufacturing technique, material, supplier location)
    - c. Basic design
    - d. Labels and Markings
  - 2. Characteristics that are unlikely to affect a model's ability to meet the performance requirement of a certification standard and therefore would not require a new model designation:
    - a. Basic design alterations not affecting ball's performance requirements
    - b. Color changes that do not affect performance requirements
- B. Examples of Major Components
  - 1. Outer covering material
  - 2. Inner core material
  - 3. Labels and Markings
- C. Applicable standards: NOCSAE ND 027, ND 049, ND 069

### 30.10 NOCSAE Chest Protectors for Commotio Cordis

- A. Definition of Model
  - 1. Characteristics that have the potential to affect a model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:
    - a. Change in energy managing materials or dimensions
    - b. Manufacturing change for any critical component (e.g.: manufacturing technique, material, supplier location)
    - c. Labels and markings
  - 2. Characteristics that are unlikely to affect a model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:
    - a. Change to outer fabric that does not provide protection.
- B. Examples of Major Components
  - 1. Materials utilized in the primary protective component.
  - 2. Labels and markings
- C. Applicable standards: NOCSAE ND 200

### 30.11 Helmet Hardware

- A. Definition of Model
  - 1. Characteristics that have the potential to affect an assembly's ability to meet the performance requirements of the certification standard:
    - a. Change in Supplier
    - b. Addition or Subtraction of components
    - c. Change in material
    - d. Assembly technique
  - 2. Characteristics that are unlikely to affect a model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:
    - a. Non-metallic hardware
    - b. Addition of new helmets/facemasks the hardware will be used on.
- B. Examples of Major Components
  - 1. Screws
  - 2. Nuts/T-Nuts
  - 3. Washers
- C. Applicable standard: NOCSAE ND 015

### 30.12 Sampling requirements and Reduced Sampling for Certification Testing

- A. Samples submitted for annual certification must be randomly selected from production lots that are intended for sale.
- B. Samples shall be submitted from the most recent production lots.
- C. When a product has not been produced since the previous year's annual certification assessment, testing is not required until production occurs again.
  - 1. When production resumes SEI shall be notified by submission for certification testing.
- D. Reduced Sampling
  - 1. Products that are being submitted for annual certification testing may be eligible for a reduced sampling as defined below.
    - a. Products being submitted for Initial, Class I, or Standard Revision certification assessments are not eligible for reduced sampling.
  - 2. Products that received a marginal results letter with the previous submission are not eligible for reduced sampling.

- E. Critical Sizes as defined in NOCSAE Doc ND001-17m24 section 3.12.2
  - 1. The thinnest padding configuration for a particular helmet shell on the largest headform designated for the selling size range for that particular shell.
- F. Prescribed Sampling
  - 1. NOCSAE DOC (ND) 002-17 - Newly Manufactured Football Helmets
    - a. Standard Specification: At least four (4) of each model and size must be tested.
    - b. SEI Minimum Sampling:
      - 1. Initial, Class I, Standard Revision: At minimum, four of each model and size must be tested on each headform they are intended to fit.
      - 2. Annual Submissions: At minimum, four of each model and size must be tested on the largest headform they are intended to fit.
  - 2. NOCSAE DOC (ND) 015-15 - Corrosion Characteristics and Effects on Metallic Hardware Disassembly
    - a. Standard Specification: At least twelve (12) sets of hardware must be submitted.
    - b. SEI Minimum Sampling:
      - 1. Initial, Class I, Standard Revision, and Annual Submissions: At minimum, twelve sets of hardware must be submitted.
    - c. Definition of a Set: All components from a single faceguard/helmet component(s) anchorage point that must be disassembled in the event that emergent access to the wearer's airway is required. This includes pieces of a helmets shell material or a representative blank of a similar material to assemble the anchorage point in an as used configuration.
  - 3. NOCSAE DOC (ND) 019-10 - Newly Manufactured Football Player Hand Coverings
    - a. Standard Specification: At least 5 hand coverings per model must be tested. A minimum of three pairs of the largest size per model must be submitted.
    - b. SEI Minimum Sampling:
      - 1. Initial, Class I, Standard Revision, and Annual Submissions: At minimum, five hand coverings in the largest size offered per model must be tested.

4. NOCSAE DOC (ND) 022-21 - Newly Manufactured Baseball/Softball Batter's Helmets
  - a. Standard Specification: At least, three (3) of each helmet model in each of the critical sizes must be tested.
  - b. SEI Minimum Sampling:
    1. Initial, Class I, Standard Revision Submissions: At minimum, three helmets in each critical size offered by the participant shall be tested on each size headform the helmets fit.
    2. Annual Submissions: At minimum, three helmets in each critical size offered by the participant shall be tested on the largest size headform the helmets fit.
5. NOCSAE DOC (ND) 024-24 - Newly Manufactured Baseball/Softball Catcher's Helmets with Faceguards
  - a. Standard Specification:
    1. For helmets intended for use in both baseball and softball (BB+SB Helmets), at least seven (7) of each helmet model in each of the critical sizes must be tested.
    2. For helmets intended for use in only softball (SB Only), at least five (5) of each helmet model in each of the critical sizes must be tested.
  - b. SEI Minimum Sampling:
    1. Initial, Class I, Standard Revision submissions:
      - a. For helmets intended for use with Baseballs and Softballs: At minimum, seven helmets in each critical size shall be submitted for testing. For helmet projectile impact testing, seven samples shall be submitted for testing on each headform it fits. For drop testing and faceguard projectile impacts, testing shall be performed on only the largest headform the helmet fits.
      - b. For helmets intended for use with Softballs only: At minimum, seven helmets in each critical size shall be submitted for testing. For helmet projectile impact testing, five samples shall be submitted for testing on each headform it fits. For drop testing and faceguard projectile impacts, testing shall be performed on only the largest headform the helmet fits.
    2. Annual submissions:
      - a. For helmets intended for use with Baseballs and Softballs: At minimum, seven helmets in each critical size offered shall be tested on the largest headform the helmet fits for all projectile and drop testing.
      - b. For helmets intended for use with Softballs only: At minimum, five helmets in each critical size offered shall be tested on the largest headform the helmet fits for all projectile and drop testing.

6. NOCSAE DOC (ND) 027-18 - Newly Manufactured Baseballs
  - a. Standard Specification: At least one dozen (12) balls of each model must be tested.
  - b. SEI Minimum Sampling:
    1. Initial, Class I, Standard Revision, and Annual Submissions: At minimum, one dozen (12) balls shall be submitted with product packaging
7. NOCSAE DOC (ND) 029-21 - Newly Manufactured Baseball/Softball Fielder's Headgear
  - a. Standard Specification: At least six (6) of each headgear model in each of the critical sizes must be tested.
  - b. SEI Minimum Sampling:
    1. Initial, Class I, Standard Revision Submissions: At minimum, six helmets in each critical size offered by the participant shall be tested on each size headform the helmets fit.
    2. Annual Submissions: At minimum, six helmets in each critical size offered by the participant shall be tested on the largest size headform the helmets fit.
8. NOCSAE DOC (ND) 030-11 - Newly Manufactured Hockey Helmets
  - a. Standard Specification: At least four (4) of each model in each critical size must be tested.
  - b. SEI Minimum Sampling:
    1. Initial, Class I, Standard Revision Submissions: At minimum, three helmets in each critical size offered by the participant shall be tested on each size headform the helmets fit.
    2. Annual Submissions: At minimum, three helmets in each critical size offered by the participant shall be tested on the largest size headform the helmets fit.
9. NOCSAE DOC (ND) 035-11 - Newly Manufactured Ice Hockey Face Protectors
  - a. Standard Specification: At least five (5) Face Protectors of each model mounted onto helmets that meet the requirements of NOCSAE Doc ND030 and bear the NOCSAE logo, in each critical size must be tested
  - b. SEI Minimum Sampling:
    1. For Initial, Class I, Standard Revision, and Annual submissions: At minimum, five face protectors shall be submitted on each helmet the guard is intended to fit, for testing on the largest headform the helmets fit.

10. NOCSAE DOC (ND) 041-15 - Newly Manufactured Lacrosse Helmets with Faceguards

- a. Standard Specification: At least four (4) of each model and in each critical size must be tested.
- b. SEI Minimum Sampling:
  1. Initial, Class I, and Standard Revision submissions: At minimum, four of each size helmet shall be submitted for testing on each headform the helmets fit.
  2. Annual submissions: At minimum, four of each size helmet shall be submitted for testing on the largest headform the helmets fit.

11. NOCSAE DOC (ND) 045-17 - Newly Manufactured Lacrosse Face Protectors

- a. Standard Specification: At least five (5) Face Protectors of each model mounted onto helmets that meet the requirements of NOCSAE DOC 041 and bear the NOCSAE logo, in each critical size must be tested.
- b. SEI Minimum Sampling:
  1. For Initial, Class I, Standard Revision, and Annual submissions: At minimum, five face protectors shall be submitted on each helmet the guard is intended to fit, for testing on the largest headform the helmets fit.

12. NOCSAE DOC (ND) 049-19 - Newly Manufactured Lacrosse Balls

- a. Standard Specification: At least one dozen (12) balls of each model must be tested.
- b. SEI Minimum Sampling:
  1. Initial, Class I, Standard Revision Submissions: One dozen (12) balls of each floor of each model shall be submitted.
  2. Annual Submissions: One dozen (12) balls shall be submitted. If the ball comes in multiple colors the dozen shall consist of an even mix of each color
    - a. e.g.: 2 colors – 6 balls in each color, 3 colors – 4 balls in each color, 4 colors – 3 balls in each color, etc.

13. NOCSAE DOC (ND) 050-11 - Newly Manufactured Polo Helmets

- a. Standard Specification: At least three (3) of each model in each critical size must be tested.
- b. SEI Minimum Sampling:
  1. Initial, Class I, Standard Revision Submissions: At minimum, three helmets in each critical size offered by the participant shall be tested on each size headform the helmets fit.
  2. Annual Submissions: At minimum, three helmets in each critical size offered by the participant shall be tested on the largest size headform the helmets fit.

14. NOCSAE DOC (ND) 055-11 - Helmet Mounted Polo Eye Protection
  - a. Standard Specification: At least five (5) eye protectors of each model mounted onto helmets that meet the requirements of NOCSAE DOC. 050 and bear the NOCSAE logo, in each critical size must be tested.
  - b. SEI Minimum Sampling:
    1. For Initial, Class I, Standard Revision, and Annual submissions: At minimum, five face protectors shall be submitted on each helmet the guard is intended to fit, for testing on the largest headform the helmets fit.
15. NOCSAE DOC (ND) 061-14 - Newly Manufactured Field Hockey Headgear
  - a. Standard Specification: At least five (5) of each headgear model in each of the critical sizes must be tested.
  - b. SEI Minimum Sampling:
    1. Initial, Class I, Standard Revision Submissions: At minimum, three helmets in each critical size offered by the participant shall be tested on each size headform the helmets fit.
    2. Annual Submissions: At minimum, three helmets in each critical size offered by the participant shall be tested on the largest size headform the helmets fit.
16. NOCSAE DOC (ND) 069-14 - Newly Manufactured Field Hockey Balls
  - a. Standard Specification: At least one dozen (12) balls of each model must be tested.
  - b. SEI Minimum Sampling:
    1. Initial, Class I, Standard Revision, and Annual Submissions: At minimum, one dozen (12) balls shall be submitted with product packaging
17. NOCSAE DOC (ND) 072-21 - Newly Manufactured Baseball/Softball Batter's Helmet Mounted Face Protector
  - a. Standard Specification: At least two (2) sets of each face protector model in each of the sizes must be tested with the appropriate ball. Face protectors shall be mounted to a batter's helmet that bears the NOCSAE logo and is listed by the protector manufacturer as being compatible with and in a size that is appropriate for the protector
  - b. SEI Minimum Sampling:
    1. Face protectors offered in more than one size:
      - a. For Initial, Class I, and Standard Revision submissions:
        - i. Baseball and Baseball/Softball or Softball only Protectors: At minimum, one set of each size face protector for each stated ball type, shall be tested on each applicable batter's helmet model and on each size headform the helmet model fits.

- b. For Annual submissions:
  - i. Baseball and Baseball/Softball Protectors: At minimum, one set of each size face protector will be tested on each applicable batter's helmet model that fits the medium headform with baseballs only.
  - ii. Softball Only Protectors: At minimum, one set of each size face protector will be tested on each applicable batter's helmet model that fits the medium headform with softballs only.
- 2. Face protectors offered in one size and fit more than one size helmet:
  - a. For Initial, Class I, and Standard Revision submissions: At minimum, one set of face protectors for each stated ball type shall be tested on a helmet that fits the medium headform. If multiple helmets fit the medium headform the appropriate helmet shall be selected per the NOCSAE definition of a critical size.
  - b. For Annual submissions:
    - i. Baseball and Baseball/Softball Protectors: At minimum, one set of face protectors shall be tested on a helmet that fits the medium headform. If multiple helmets fit the medium headform the appropriate helmet shall be selected per the NOCSAE definition of a critical size with baseballs only.
    - ii. Softball Only Protectors: At minimum, one set of face protectors shall be tested on a helmet that fits the medium headform. If multiple helmets fit the medium headform the appropriate helmet shall be selected per the NOCSAE definition of a critical size with softballs only.
  - c. Definition of a set: Five (5) protectors mounted on a certified batter's helmet.

### 18. NOCSAE DOC (ND) 087-24 - Football Faceguards

- a. Standard Specification: At least two (2) sets of each faceguard model in each of the sizes intended to fit the medium headform must be tested. Faceguards shall be mounted to a football helmet that complies with ND002 and is listed by the faceguard's manufacturer as being compatible with and in a size that is appropriate for the protector.
- b. SEI Minimum Sampling:
  - 1. Initial, Class I, Standard Revision, and Annual Submissions: At minimum, seven of the least and seven of the most populated faceguards shall be submitted for testing on the medium headform only.

19. NOCSAE DOC (ND) 090-06 - Newly Manufactured Soccer Shin Guards
  - a. Standard Specification: At least three sets of each size of a shin guard model must be tested.
  - b. SEI Minimum Sampling:
    1. Initial, Class I, Standard Revision, and Annual submissions: At minimum, three pairs of each size soccer shin guard shall be submitted with product packaging.
20. NOCSAE DOC (ND) 200-22 - Protectors for Commotio Cordis (Baseball & Lacrosse)
  - a. Standard Specification: A minimum of two samples per model in the smallest size offered for sale in each of the size ranges specified in sections 13.2.1, 13.2.2, and 13.2.3 shall be submitted.
  - b. SEI Minimum Sampling:
    1. Initial, Class I, Standard Revision, and Annual submissions: At minimum, two samples of the smallest size for each applicable torso length range specified in ND200-22 sections 13.2.1, 13.2.2, and 13.2.3
      - a. If all offered sizes utilize the exact same primary protective component, in materials, dimension, etc., only the smallest size shall be submitted to be impacted per the maximum specified torso length of the largest size offered for sale.

### **30.13 Product Withdrawals and the NOCSAE Legacy Product List**

- A. When a product that is certified to a NOCSAE standard is withdrawn it is removed from the Certified Product List and placed on the Legacy Product List. The purpose of the Legacy Product List is to indicate to end users that their product was compliant at the time of withdrawal but is no longer being produced.
  1. To appear on the Legacy Product List the product must be compliant at the time of withdrawal.
  2. SEI may remove a product from the Legacy Product List if the useful life of the product has elapsed as determined by the reported "Last Manufacture Date" on the participant supplied withdrawal form.
    - a. If a product is not required to carry a useful life it may remain on the Legacy Product List indefinitely.

**30.14 NOCSAE QC/QA Protocols**

- A. NOCSAE ND001 *Standard Drop Impact Test Method and Equipment for Protective Headgear/Equipment* specifies manufacturers to have a testing program that includes ongoing QC/QA protocols.

NOCSAE ND011 *Manufacturers Procedural Guide for the Control of Quality and Sample Selection for Testing to NOCSAE Standards* provides basic principles and benchmarks that can be used to evaluate QC/QA practices for sampling and product assessment for the purpose of determining compliance to NOCSAE standards.

B. NOCSAE QC/QA Protocols (per ND001)

Level 3 Equipment/Gear: A class of protective equipment/gear for which a functional failure presents a risk of grave and irreversible injury or death. Manufacturers shall demonstrate a process capability of at least three standard deviations in cases where statistical control can be documented and four standard deviations in cases where control either cannot be established or cannot be documented. This requirement can be demonstrated for example with a capability analysis as described in Section 5.3 of NOCSAE DOC ND 011. When manufacturers rely on Acceptance Sampling procedures, an Acceptable Quality Level (AQL) equal to or more demanding than 0.65 shall be used. Individual performance requirements may exempt a particular requirement from Level 3 and assign a lower level of compliance. Any facial contact requirement in the ocular area of the head form shall be considered Level 3. Level 3 protective equipment/gear shall be considered an ISO 17067 Scheme Type 5 certification.

Level 2 Equipment/Gear: A class of protective equipment/gear for which a functional failure presents a risk of serious injury, but not grave and irreversible injury or death. Manufacturers shall demonstrate a process capability of at least 1.5 standard deviations in cases where statistical control can be documented and 2 standard deviations in cases where control either cannot be established or cannot be documented. This requirement can be demonstrated for example with a capability analysis as described in Section 5.3 of NOCSAE DOC ND 011. When manufacturers rely on Acceptance Sampling procedures, an Acceptable Quality Level (AQL) equal to or more demanding than 2.5 shall be used. Individual performance requirements may specify a different level of compliance for specific criteria. Any facial contact requirement NOT in the ocular area of the head form shall be considered Level 2. Level 2 protective equipment/gear shall be considered an ISO 17067 Scheme Type 5 certification.

Level 1 Equipment/Gear: A class of equipment/gear for which safety is not the primary function, and where non-conformance to the applicable standard presents no risk of personal injury. Manufacturers shall demonstrate a process capability of at least 1.5 standard deviations in cases where statistical control can be documented and 2 standard deviations in cases where control either cannot be established or cannot be documented. This requirement can be demonstrated for example with a capability analysis as described in Section 5.3 of NOCSAE DOC ND 011. When manufacturers rely on Acceptance Sampling procedures, an Acceptable Quality Level (AQL) equal to or more demanding than 2.5 shall be used. Individual performance requirements may specify a different level of compliance for specific criteria. Level 1 protective equipment/gear shall be considered an ISO 17067 Scheme Type 2 certification.

## NOCSAE QA/QC Protocols

| ND002: Football Helmets                                     |                    |                                            |                                                         |                                  |                                                    |                                              |
|-------------------------------------------------------------|--------------------|--------------------------------------------|---------------------------------------------------------|----------------------------------|----------------------------------------------------|----------------------------------------------|
|                                                             | Labels             | Impact Attenuation                         | Pneumatic Ram                                           |                                  |                                                    |                                              |
| Level 3                                                     | X                  | X                                          | Exempt                                                  |                                  |                                                    |                                              |
| Level 2                                                     |                    | X<br>low level impacts at 300 SI threshold |                                                         |                                  |                                                    |                                              |
| ND006: Youth Football Helmets                               |                    |                                            |                                                         |                                  |                                                    |                                              |
| I                                                           | Labels             | Impact Attenuation                         | Pneumatic Ram                                           |                                  |                                                    |                                              |
| Level 3                                                     | X                  | X                                          | Exempt                                                  |                                  |                                                    |                                              |
| Level 2                                                     | I                  | X<br>low level impacts at 300 SI threshold | I                                                       |                                  |                                                    |                                              |
| ND015: Metallic Hardware                                    |                    |                                            |                                                         |                                  |                                                    |                                              |
|                                                             | Corrosion Method 1 | Corrosion Method 2 (Optional)              |                                                         |                                  |                                                    |                                              |
| Level 2                                                     | X                  | X                                          |                                                         |                                  |                                                    |                                              |
| ND019: Football Hand Coverings                              |                    |                                            |                                                         |                                  |                                                    |                                              |
|                                                             | Labels             | Hand Covering Peel Adhesion Test           | Hand Covering with Add-On Peel Adhesion Test (OPTIONAL) | Hand Covering Friction Test      | Hand Covering with Add-On Friction Test (OPTIONAL) |                                              |
| Level 1                                                     | X                  | X                                          | X                                                       | X                                | X                                                  |                                              |
| ND022: Baseball / Softball Batter's Helmets                 |                    |                                            |                                                         |                                  |                                                    |                                              |
|                                                             | Labels             | Impact Attenuation (Baseballs)             | Impact Attenuation (Softballs)                          |                                  |                                                    |                                              |
| Level 3                                                     | X                  | X                                          | X                                                       |                                  |                                                    |                                              |
| ND024: Baseball / Softball Catcher's Helmets with Faceguard |                    |                                            |                                                         |                                  |                                                    |                                              |
|                                                             | Labels             | Impact Attenuation Tests - Drop Test       | Softball Projectile Impact Tests                        | Baseball Projectile Impact Tests | Faceguard Softball Projectile Impact Tests         | Faceguard Baseball Projectile Impact Tests   |
| Level 3                                                     | X                  | X                                          | X                                                       | X                                | X<br>ocular areas                                  | X<br>ocular areas                            |
| Level 2                                                     |                    |                                            |                                                         |                                  | X<br>non ocular areas and mechanical failure       | X<br>non ocular areas and mechanical failure |

| ND027: Youth Baseballs                        |        |                                                 |                                              |                                              |                                              |  |
|-----------------------------------------------|--------|-------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|--|
|                                               | Labels | Ball Mass                                       | Ball Circumference                           | Ball Compression                             | Ball COR                                     |  |
| Level 1                                       | X      | X                                               | X                                            | X                                            | X                                            |  |
| ND029: Baseball / Softball Fielder's Headgear |        |                                                 |                                              |                                              |                                              |  |
|                                               | Labels | Impact Attenuation - Headgear (Baseball)        | Impact Attenuation - Headgear (Softball)     | Face Protector Impact (Baseball)             | Face Protector Impact (Softball)             |  |
| Level 3                                       | X      | X                                               | X                                            | X<br>ocular areas                            | X<br>ocular areas                            |  |
| Level 2                                       |        |                                                 |                                              | X<br>non ocular areas and mechanical failure | X<br>non ocular areas and mechanical         |  |
| ND030: Hockey Helmets                         |        |                                                 |                                              |                                              |                                              |  |
|                                               | Labels | Retention Testing                               | Helmet Stability Testing                     | Impact Attenuation - Helmet Drop Tests       | Impact Attenuation - Helmet Projectile Tests |  |
| Level 3                                       | X      | X                                               | X                                            | X                                            | X                                            |  |
| Level 2                                       |        |                                                 |                                              | X<br>Low Level Impacts at 300 SI Threshold   |                                              |  |
| ND035: Hockey Face Protectors                 |        |                                                 |                                              |                                              |                                              |  |
|                                               | Labels | Faceguard Projectile Test                       | Faceguard Penetration Test                   |                                              |                                              |  |
| Level 3                                       | X      | X<br>ocular areas                               | X<br>ocular areas                            |                                              |                                              |  |
| Level 2                                       |        | X<br>non ocular areas and mechanical failure    | X<br>non ocular areas and mechanical failure |                                              |                                              |  |
| ND041: Lacrosse Helmets with Faceguards       |        |                                                 |                                              |                                              |                                              |  |
|                                               | Labels | Helmet Stability / Retention Testing (Chin cup) | Impact Attenuation Drop Test                 |                                              |                                              |  |
| Level 3                                       | X      | X                                               | X                                            |                                              |                                              |  |
| Level 2                                       |        |                                                 | X<br>low level impacts at 300 SI threshold   |                                              |                                              |  |

| ND045: Lacrosse Face Protectors           |        |                                                       |                                                    |                                                     |          |  |
|-------------------------------------------|--------|-------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|----------|--|
|                                           | Labels | Faceguards<br>Projectile<br>Tests                     | Faceguard<br>Penetration Test                      |                                                     |          |  |
| Level 3                                   | X      | X<br>ocular areas                                     | X<br>ocular areas                                  |                                                     |          |  |
| Level 2                                   |        | X<br>non-ocular<br>areas and<br>mechanical<br>failure | X<br>non-ocular areas<br>and mechanical<br>failure |                                                     |          |  |
| ND049: Lacrosse Balls                     |        |                                                       |                                                    |                                                     |          |  |
|                                           | Labels | Ball Mass                                             | Ball<br>Circumference                              | Ball<br>Compression                                 | Ball COR |  |
| Level 2                                   | X      | X                                                     | X                                                  | X                                                   | X        |  |
| ND050: Polo Helmets                       |        |                                                       |                                                    |                                                     |          |  |
|                                           | Labels | Retention<br>Testing (Neck<br>Strap)                  | Helmet Stability<br>Testing                        | Impact<br>Attenuation<br>Tests                      |          |  |
| Level 3                                   | X      | X                                                     | X                                                  | X                                                   |          |  |
| Level 2                                   |        |                                                       |                                                    | X<br>low level<br>impacts at<br>300 SI<br>threshold |          |  |
| ND055: Helmet Mounted Polo Eye Protection |        |                                                       |                                                    |                                                     |          |  |
|                                           | Labels | Eye Protector<br>Impact<br>Testing                    |                                                    |                                                     |          |  |
| Level 3                                   | X      | X<br>ocular areas                                     |                                                    |                                                     |          |  |
| Level 2                                   |        | X<br>non ocular<br>areas and<br>mechanical<br>failure |                                                    |                                                     |          |  |
| ND061: Field Hockey Headgear              |        |                                                       |                                                    |                                                     |          |  |
|                                           | Labels | Impact<br>Attenuation                                 | Faceguard<br>Projectile Tests                      |                                                     |          |  |
| Level 3                                   | X      | X                                                     | X<br>ocular areas                                  |                                                     |          |  |
| Level 2                                   |        |                                                       | X<br>non ocular areas                              |                                                     |          |  |
| ND069: Field Hockey Balls                 |        |                                                       |                                                    |                                                     |          |  |
|                                           | Labels | Ball Mass                                             | Ball<br>Circumference                              | Ball<br>Compression                                 | Ball COR |  |
| Level 3                                   | X      | X                                                     | X                                                  | X                                                   | X        |  |

| ND072: Baseball / Softball Batter's Helmet Mounted Face Protector |        |                                              |                                              |                                         |  |
|-------------------------------------------------------------------|--------|----------------------------------------------|----------------------------------------------|-----------------------------------------|--|
|                                                                   | Labels | Impact Attenuation (baseball)                | Impact Attenuation (softball)                |                                         |  |
| Level 3                                                           | X      | X<br>ocular areas                            | X<br>ocular areas                            |                                         |  |
| Level 2                                                           |        | X<br>non ocular areas and mechanical failure | X<br>non ocular areas and mechanical failure |                                         |  |
| ND087: Football Faceguards                                        |        |                                              |                                              |                                         |  |
|                                                                   | Labels | Impact Attenuation                           | Standoff Measurements                        | Rigid Mount Deformation Test (Optional) |  |
| Level 3                                                           | X      | X<br>ocular areas                            | X                                            | X                                       |  |
| Level 2                                                           |        | X<br>non ocular areas and mechanical failure |                                              |                                         |  |
| ND090: Soccer Shin Guards                                         |        |                                              |                                              |                                         |  |
|                                                                   | Labels | Extent of Protective Coverage                | Impact Test Method                           | Retention Test                          |  |
| Level 2                                                           | X      | X                                            | X                                            | X                                       |  |
| ND200: Chest Protectors for Commotio Cordis                       |        |                                              |                                              |                                         |  |
|                                                                   | Labels | Impact Attenuation                           |                                              |                                         |  |
| Level 2                                                           | X      | X                                            |                                              |                                         |  |

### 30.15 Audit Procedures

#### A. Quality Audit Procedures

The quality audit procedures are applicable to conducting Quality Audits of a Quality Management System performed by an SEI Quality Auditor in accordance with the requirements of the SEI Certification Program (see *CPM Section 11 Quality Assurance and CPM Section 12 Audit Procedures*), that include initial total system audits and on-site and remote surveillance audits. The Audit Checklist (see *CPM Section 13B NOCSAE Audit Checklist*) shall be used for the initial total system audit and any annual on-site surveillance audit. The NOCSAE Headquarters Remote Audit Checklist (See *Section 30C NOCSAE Athletic Equipment Headquarters Remote Audit Checklist*) shall be used for annual remote surveillance audits where approved. For a new Participant using an existing supplier, where an onsite audit has been conducted within the last year, the NOCSAE Supplier Remote Audit Checklist (See *Section 30D NOCSAE Athletic Equipment Supplier Remote Audit Checklist*) shall be used.

### B. Pre-Approval of QC/QA Protocol

The SEI participant shall submit their initial QC/QA Protocol/Plan for each product model type being submitted for review and approval prior to any initial audits being conducted at the headquarters and manufacturing location(s). SEI will review the QC/QA Protocol, using the QC/QA Protocol Review Checklist (*see Section 30E QC/QA Protocol Checklist*), to determine if the plan meets the NOCSAE QC/QA requirements as specified in NOCSAE ND 001 *Standard Drop Impact Test Method and Equipment for Protective Headgear/Equipment* and NOCSAE ND 011 *Manufacturers Procedural Guide for the Control of Quality and Sample Selection for Testing to NOCSAE Standards*. A fee will be associated with this pre-approval process, see Section 30.10 E: Quality Audit Fees below.

Revised QC/QA Protocol/Plan(s) shall be submitted to SEI for approval. Fees may be incurred if excess hours are needed for the review.

SEI's auditor may reassess the QC/QA Protocol/Plan(s) during each audit. Under the SEI Certification Program, the participant retains complete control over the quality and integrity of its products, which includes administering a QC/QA protocol.

### C. SEI NOCSAE Quality Audit Procedures

NOCSAE standards address the frequency of onsite and remote audits for QC/QA Equipment/Gear Level 1, 2 and Level 3 categorized products.

Participants whose products fall into Equipment/Gear Level 1, shall undergo a remote audit upon initial participation in the certification program and annually thereafter. However, an onsite surveillance audit may be conducted in the event the remote audit is unsatisfactory or there are multiple testing non-compliances during annual certification testing.

Participants with products designated as Levels 2 and 3 shall be subjected to an initial onsite quality audit. Upon certification, annual surveillance audits shall be required with an onsite audit at least every three years. Audits in years two and three following an onsite audit may be accomplished by remote surveillance audits if all of the following is true:

1. There were no NOCSAE critical noncompliances during certification testing.
2. There were no major noncompliances during an onsite and/or remote audit.
3. There were no new Equipment/Gear Levels 2 and/or 3 products submitted for certification to a standard that was not covered during the onsite quality audit. (e.g. An onsite audit would be required if the initial and annual audits only covered football helmets and subsequently a manufacturer submitted baseball helmets for certification)
4. The product/equipment being certified has at least three years of QA/QC data available for review through an annual remote audit.

If any of the above criteria are not met, remote surveillance audits shall not be permitted.

**D. Remote Quality Audit Procedures**

The Remote Audit will take place off-site and will require participants to submit their Quality Manual, QC/QA Protocol/Plans and any supporting documentation to the SEI auditor. It is possible the SEI auditor may need to request additional supporting documentation in order to adequately perform the Remote Audit. The SEI Auditors will be using the SEI Remote Audit Checklist (*See Section 30C NOCSAE Athletic Equipment Remote Audit Checklist or See Section 30D NOCSAE Athletic Equipment Supplier Remote Audit Checklist*) to conduct the document review. At the conclusion of the review, the SEI auditor will provide SEI and the participant with an audit report.

**30.16 Certification Testing****A. Sample Retention Policy**

The testing laboratories shall maintain a sample retention policy. At a minimum, the sample retention policy shall include wording that requires the lab to keep at least one sample of each model tested for initial, class I or annual certification until the next testing cycle.

**B. Annual Certification Testing**

Upon completion of initial testing, certification testing shall be conducted on an annual basis. NOCSAE product models shall be tested annually if there has been production of that product model since it's last certification date and the product model inventory has been in the participant's control. Product model inventory that is maintained at a contract manufacturing location is not considered to be in the participant's control.

**30.17 Certification Fees**

Testing shall be performed annually. When an initial submittal package is submitted to SEI, the Application Fees and Annual Participation Fees are due. Upon completion of initial testing, Annual Model Certification Fees are due. The following is a schedule of application fees & annual model certification fees that apply to the NOCSAE Program:

| Model Type       | Submittal Type  | Application Fee | Certification Fees |
|------------------|-----------------|-----------------|--------------------|
| Base Model       | Initial         | \$296           | \$353              |
|                  | Class I Change  | \$56            | N/A                |
|                  | Class II Change | \$56            | N/A                |
| Variant Model    | Initial         | \$148           | \$147              |
|                  | Class I Change  | \$56            | N/A                |
|                  | Class II Change | \$56            | N/A                |
| Accessory Model* | Initial         | \$148           | \$147              |
|                  | Class I Change  | \$56            | N/A                |
|                  | Class II Change | \$56            | N/A                |

*\*For the NOCSAE program face protectors, faceguards, eye protection, and hardware will be considered accessory models.*

### **30.18 Laboratory Testing Fees/ Attributes & Variables**

SEI currently has approved four (4) laboratories that may conduct testing to the NOCSAE athletic equipment standards. The schedule of rates are as quoted by the testing laboratory.

#### A) Laboratories Testing Fee Increases/Modifications

Laboratories will be provided with the opportunity to increase or modify their NOCSAE testing fees once per year. Around October 1<sup>st</sup> of each year laboratories will be contacted by SEI with forms to modify their fees for the upcoming year as they see fit. Fee increases will be limited to the percent change in the average consumer price index from September 1<sup>st</sup> to August 31<sup>st</sup> of the previous year. By November 1<sup>st</sup> SEI will provide participants with the upcoming year's schedule of fees whether pricing has changed or not, allowing for a sixty-day notice of the fee increase, with the schedule of fees going into effect on January 1<sup>st</sup> of the upcoming year. Under special circumstances, for example a new or revised standard is scheduled for a mid-year effective date, an off schedule fee request will be made to the laboratories.

**30.19 Annual Participation Fees**

The fees provided below are established annually and apply to all SEI participants in the NOCSAE program. Per the SEI / NOCSAE Manufacturer's Agreement fees will not be increased more than once annually. Because fee increases are typically implemented in January, fee increases will be based on the Consumer Price Index from the year prior, using the average from September 1<sup>st</sup> to August 31<sup>st</sup>, allowing for a sixty day notice of the fee increase.

Should payment for any invoice owed by the participant be received by SEI more than thirty (30) days after it's initial due date, the participant will be responsible for paying a late fee equal to 2% of the original invoice amount. An additional 2% of the original invoice amount will be added to the total amount due for every thirty (30) additional days that the invoice remains unpaid, from the date of the first late fee. Total amount of late fees per invoice will not exceed more than 10% of the original invoice's total amount due. These late fees will be charged on a separate invoice.

All wire transfer fees shall be the responsibility of the participant. Checks must be in U.S. funds drawn on a bank with a branch in the U.S.

| <b>Sales Volume Category</b> | <b>2026 Annual Participation Fees:<br/>NOCSAE Program</b> |
|------------------------------|-----------------------------------------------------------|
| New Participant              | \$4,500.00                                                |
| Under \$375,000              | \$4,104.00                                                |
| \$375,000 - \$1 million      | \$6,305.00                                                |
| \$1 – 5 million              | \$6,609.00                                                |
| \$5 – 20 million             | \$7,158.00                                                |
| \$20 – 40 million            | \$7,499.00                                                |
| \$40 – 60 million            | \$7,944.00                                                |
| \$60 – 100 million           | \$8,230.00                                                |
| \$100 – 250 million          | \$9,344.00                                                |
| Over \$250 million           | \$9,636.00                                                |

**30.20 Quality Assurance Fees**

Quality audit fees are quoted upon request for time and travel. A 10% surcharge is added to quality audit fees. Fees must be paid in advance for all new participants. New participants will be provided with a quote for prepayment.

The daily quality audit fee for all NOCSAE audits is \$846 per day, plus travel expenses. Additional fees as noted in Section 7.2.1 from the CPM are also applicable. New participants will be provided with a quote for prepayment.

A \$212 fee will be incurred for all QC/QA protocol reviews. A \$64 per hour fee will be incurred for any excess hours required for corrective action reviews or QC/QA reviews.

Audit Rescheduling Fee is \$257.00 (applies to all audit types including remote/virtual if audit is canceled within the 48 hours prior to the start time). In addition to the \$257.00 Audit Rescheduling Fee, participants canceling an audit after scheduling will also be billed any costs incurred on the part of the auditor. This includes and is not limited to the purchase/cancellation of airline tickets.

**30.21 Miscellaneous Fees**

| Action                                                                                                                                                                                                                | Fee                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Private Label Application Fee (Base Model)                                                                                                                                                                            | \$126.00                                   |
| Private Label Annual Certification Fee (Base Model)                                                                                                                                                                   | \$241.00                                   |
| Private Label Application Fee (Accessory & Variant Models)                                                                                                                                                            | \$85.00                                    |
| Private Label Annual Certification Fee (Accessory & Variant Models)                                                                                                                                                   | \$80.00                                    |
| Private Label Certification Letter for Private Label Company                                                                                                                                                          | \$85.00                                    |
| Investigation of noncompliance after first 8 hours of SEI staff time                                                                                                                                                  | \$135.00/hr. + cost of materials           |
| Complaint investigation after first 8 hours of SEI staff time                                                                                                                                                         | \$135.00/hr. + cost of materials           |
| Fees for use of legal counsel in responding to legal actions involving complaints (regardless of whether the complaint is determined to be valid), recalls or investigations against participant's certified products | Rebilled at SEI's attorney's fees          |
| American Arbitration Association (AAA) Appeals Board Fees                                                                                                                                                             | Established by the AAA in Washington, D.C. |
| Review for Acceptance of Previous or Other Test Data                                                                                                                                                                  | \$135.00 per hour                          |



Safety Equipment Institute

# SEI Certification Program Manual

Section 31: Lacrosse Equipment Program

### 31.0 Lacrosse Equipment Program Standards

- **ASTM F3077-21** Eye Protectors for Women's Lacrosse
- **ASTM F3137-15 (R2022)** Headgear for Women's Lacrosse

### 31.1 Certification Submittal Package

A Certification Submittal Package shall include an SEI Certification Submittal form (*see Form 8.0: SEI Certification Submittal Form*) and a Components & Materials Description Checklist form (*see Section 31B: General Components & Materials Description Checklist*) for each product model, variant or accessory being submitted. Completion of the submittal package serves four primary purposes:

1. The submittal package provides SEI and the SEI Quality Assurance Auditor with a description of new, modified or products to be selected for annual certification.
2. The information provided by the manufacturer in the submittal package confirms to SEI the product design and components.
3. Receipt of the submittal by the testing laboratory, from SEI, serves as the laboratory's authorization to begin testing the product(s) and allows laboratory personnel to verify that the correct product samples have been received.
4. The return of a signed copy of the submittal form from the testing laboratory provides SEI with a record of the date testing was completed on the product model.

Over the life of the product, subsequent submittal packages shall document that the product model submitted for certification testing is identical to samples **previously** tested, except where Class I model changes have been tested and documented through the submission of additional SEI submittal packages or documented Class II changes have been made. It is therefore necessary that each submittal to SEI include sufficient product description information, which is achieved by a complete components and materials listing to uniquely and unambiguously identify the product model in question (*see Section 14: Product Changes*).

#### SEI Certification Submittal Form

Each submittal must be identified on the submittal form as either (1) initial certification, (2) annual recertification, (3) Class I change, or (4) Class II change. Finished product manufacturing facilities (assembly) located at a different address (i.e. suppliers or company-owned factories) shall be identified in Section 3 of the submittal form. The SEI Certification Submittal Form shall be signed by the authorized manufacturer representative within the participating company having the authority to authorize expenditures for testing.

### Components & Materials Description List

The product description information may be (a) listed on the Component and Materials Description Checklist form, (b) provided as a separate listing by the manufacturer (i.e. Bill of Materials), or (c) appropriate engineering drawings/ specification sheets. Use of *Section 31B: General Components and Materials Description Checklist* form is recommended. The following information is to be included on each Components & Materials Description Checklist. Brief examples are provided for guidance.

A. Description of Major Components

All major components and materials shall be identified and described. Where possible, include brand name and part number, supplier name and location.

B. Primary Materials

Materials used in the construction of major components shall be identified. Identification shall include trade names, if applicable. All changes shall be reported to SEI for evaluation and possible action.

C. Manufacturing Locations

All locations in which the product model is manufactured or assembled must be identified on the SEI Certification Submittal Form. If major components are manufactured by another company and purchased by the SEI participants, the name and address of the manufacturing facility and contact name shall be identified on the Components & Materials Description Checklist.

D. Specification Sheets or Technical Bills of Materials

Product specification sheets or technical bills of materials (BOM) may be included with the SEI Certification Submittal Form in addition to the Components & Materials description checklist to fulfill some or all other requirements noted above. In the case of annual recertification, the appropriate documents (i.e., submittal form and components and materials listing or BOM) shall be prepared prior to the sample selection audit and available to the auditor during the audit for reference and confirmation of product.

E. Confidentiality

All product information received by SEI staff, the SEI Quality Assurance Auditor, or the SEI testing laboratory shall be considered confidential and shall not be released to any third party without written authorization to do so (with the exceptions noted *Section 3: Manufacturer's Agreement* for response to a subpoena, court order or other compulsory process).

### 31.2 Lacrosse Equipment Program Codes

SEI utilizes SEI Reference Numbers internally to identify each SEI participant and their unique models and variants. The first set of two or three letters/numbers indicates which standard program code the model/variant is being certified against. The second set of three letters indicates the SEI participant's unique identification. The third set of numbers is assigned by SEI to identify each model (see definition below) being certified.

eg: BBH ABC 03

eg: BBH ABC V03

Where BBH identifies the standard program code

Where ABC identifies the unique participant identification

Where 03 identifies the model submitted for certification

Where V03 identifies the model as the third variant (V03) for this Participant Identification (ABC)

| SEI Reference Program Code | Standard Description               | Product Type | Standard   |
|----------------------------|------------------------------------|--------------|------------|
| LEP                        | Eye Protector for Women's Lacrosse | Lacrosse PPE | ASTM F3077 |
| LHG                        | Headgear for Women's Lacrosse      | Lacrosse PPE | ASTM F3137 |

### 31.3 Definition of a "Model"

"Model" is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device's performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term "model" uses performance characteristics as the basic criteria.

**31.4 Application & Annual Certification Fees**

Testing shall be performed annually. When an initial submittal package is submitted to SEI, the Application Fees and Annual Participation Fees (*See Section 7: Annual Participation Fees*) are due. Upon completion of initial testing, Annual Model Certification Fees are due. The following is a schedule of application fees and annual model certification fees that apply to the recreational products program:

| Model Type      | Submittal Type  | Application Fee | Annual Model Certification Fees |
|-----------------|-----------------|-----------------|---------------------------------|
| Base Model      | Initial         | \$296           | \$353                           |
|                 | Class I Change  | \$56            | N/A                             |
|                 | Class II Change | \$56            | N/A                             |
| Variant Model   | Initial         | \$148           | \$147                           |
|                 | Class I Change  | \$56            | N/A                             |
|                 | Class II Change | \$56            | N/A                             |
| Accessory Model | Initial         | \$148           | \$147                           |
|                 | Class I Change  | \$56            | N/A                             |
|                 | Class II Change | \$56            | N/A                             |

### 31.5 ASTM F3077 Women's Lacrosse Eye Protective Devices

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

##### Type I, II or III

1. Design (i.e.: shape/geometry, manufacturing process)
2. Material (i.e.: component part)
3. Size – frame
4. Padding
5. Generic raw materials

##### Type I or II

6. Size – lens (Type I or II)
7. Lens manufacturing process (Type I or II) (i.e., compression molding, injection molding, vacuum forming, etc.)

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Material color
2. Lens color
3. Same generic raw materials from a different supplier

#### B. Examples of Major Components

1. Frame
2. Lens / Cage
3. Strap

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved two (2) laboratories that may conduct testing to this standard. The schedule of rates for testing, provided on the SEI website, can be used to estimate the total cost of testing for the models that are to be certified.

### 31.6 ASTM F3137 Women's Lacrosse Headgear

#### A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard:

1. Geometry
2. Raw material
3. Impact Liner Material
4. Shell and/or liner size
5. Generic raw materials
6. Change in manufacturing location (final assembly or critical component supplier)

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard:

1. Shell Color
2. Same generic raw materials from different sources of supply
3. Comfort padding

#### B. Examples of Major Components

1. Outer shell
2. Inner impact liner
3. Integrated ASTM F3077 protective eyewear

#### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved three (3) laboratories that may conduct testing to this standard. The schedule of rates for testing, provided on the SEI website, can be used to estimate the total cost of testing for the models that are to be certified.



Safety Equipment Institute

# SEI Certification Program Manual

Section 32: Law Enforcement Protective Equipment

### 32.0 Law Enforcement Protective Equipment Program Standards

- **ASTM E3187-M19 ~~M24~~ M25 Less Lethal Aerosol Devices Used by Law Enforcement, Corrections, and Other Public Safety Officers**  
**ASTM E3215-19a, Standard Practice for Certification of Less Lethal Aerosol Devices Used by Law Enforcement, Corrections, and Other Public Safety Officers**
- **NIJ 0117.01-2016 Public Safety Bomb Suit Standard**  
**NIJ 0117.00-2012 Certification Program Requirements**
- **NIJ 1001.00-2019 (Rev A) Criminal Justice Restraints**

### 32.1 Certification Submittal Package

A Certification Submittal Package shall include an SEI Certification Submittal form (*see Form 8.0: SEI Certification Submittal Form*), a Components & Materials Description Checklist form (*see Section 32B: General Components & Materials Description Checklist*) and, when applicable, a Label and User Guide Checklist (*see Section 32C: Label and User Guide Checklist*) for each product model, variant or accessory being submitted. Completion of the submittal package serves four primary purposes:

1. The submittal package provides SEI and the SEI Quality Assurance Auditor with a description of new, modified or products to be selected for annual certification.
2. The information provided by the manufacturer in the submittal package confirms to SEI the product design and components.
3. Receipt of the submittal package by the testing laboratory, from SEI, serves as the laboratory's authorization to begin testing the product(s) and allows laboratory personnel to verify that the correct product samples have been received.
4. The return of a signed copy of the submittal form from the testing laboratory provides SEI with a record of the date testing was completed on the product model.

Over the life of the product, subsequent submittal packages shall document that the product model submitted for certification testing is identical to samples **previously** tested, except where Class I model changes have been tested and documented through the submission of additional SEI submittal packages or documented Class II changes have been made. It is therefore necessary that each submittal to SEI include sufficient product description information, which is achieved by a complete components and materials listing to uniquely and unambiguously identify the product model in question (*see Section 14: Product Changes*).

#### SEI Certification Submittal Form

Each submittal must be identified on the submittal form as either (1) initial certification, (2) annual recertification, (3) Class I change, or (4) Class II change. Finished product manufacturing facilities (assembly) located at a different address (i.e. suppliers or company-owned factories) shall be identified

in Section 3 of the submittal form. The SEI Certification Submittal Form shall be signed by the authorized manufacturer representative within the participating company having the authority to authorize expenditures for testing.

### Components & Materials Description List

The product description information may be (a) listed on the Component and Materials Description Checklist form, (b) provided as a separate listing by the manufacturer (i.e. Bill of Materials), or (c) appropriate engineering drawings/ specification sheets. Use of *Section 32B: General Components and Materials Description Checklist* form is recommended. The following information is to be included on each Components & Materials Description Checklist. Brief examples are provided for guidance.

A. Description of Major Components

All major components and materials (additionally for Less Lethal Aerosol Devices, all ingredients contained within the formulation, including the propellant) shall be identified and described. Where possible, include brand name and part number, supplier name and location.

B. Primary Materials

Materials used in the construction of major components shall be identified. Identification shall include trade names, if applicable. All changes shall be reported to SEI for evaluation and possible action.

C. Manufacturing Locations

All locations in which the product model is manufactured or assembled must be identified on the SEI Certification Submittal Form. If major components are manufactured by another company and purchased by the SEI participants, the name and address of the manufacturing facility and contact name shall be identified on the Components & Materials Description Checklist.

D. Specification Sheets or Technical Bills of Materials

Product specification sheets or technical bills of materials (BOM) may be included with the SEI Certification Submittal Form in addition to the Components & Materials description checklist to fulfill some or all other requirements noted above. In the case of annual recertification, the appropriate documents (i.e., submittal form and components and materials listing or BOM) shall be prepared prior to the sample selection audit and available to the auditor during the audit for reference and confirmation of product.

E. Confidentiality

All product information received by SEI staff, the SEI Quality Assurance Auditor, or the SEI testing laboratory shall be considered confidential and shall not be released to any third party without written authorization to do so (with the exceptions noted *Section 3: Manufacturer's Agreement* for response to a subpoena, court order or other compulsory process).

**32.2 Law Enforcement Protective Equipment Program Codes**

| SEI Reference Program Code | Standard Description                                | Product Type                     | Standard                 |
|----------------------------|-----------------------------------------------------|----------------------------------|--------------------------|
| <b>BSS</b>                 | Standard on Public Safety Bomb Suit                 | Public Safety Bomb Suit Standard | NIJ 0117.01, NIJ 0117.00 |
| <b>LLA</b>                 | Less Lethal Aerosol Devices Used by Law Enforcement | Less Lethal Aerosol Devices      | ASTM E3187, ASTM E3215   |
| <b>RES</b>                 | Criminal Justice Restraints                         | Protective Restraints            | NIJ 1001                 |

SEI utilizes SEI Reference Numbers internally to identify each SEI participant and their unique models and variants. The first set of two or three letters/numbers indicates which standard program code the model/variant is being certified against. The second set of three letters indicates the SEI participant's unique identification. The third set of numbers is assigned by SEI to identify each model (see definition below) being certified.

eg: BBH ABC 03

eg: BBH ABC V03

Where BBH identifies the standard program code

Where ABC identifies the unique participant identification

Where 03 identifies the model submitted for certification

Where V03 identifies the model as the third variant (V03) for this Participant Identification (ABC)

### 32.3 Definition of a “Model”

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device’s performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria.

### 32.4 Annual Certification Fees

Testing shall be performed annually. When an initial submittal package is submitted to SEI, the Annual Participation Fees (*See Section 7: Annual Participation Fees*) and Annual Model Certification Fees are due. The following is a schedule of annual model certification fees that apply to the Law Enforcement Protective Equipment Program:

| Program Code  | Model Type      | Annual Model Certification Fees |
|---------------|-----------------|---------------------------------|
| BSS, LLA, RES | Base Model      | \$1,030                         |
|               | Variant Model   | \$139                           |
|               | Accessory Model | \$206                           |

### **32.5 ASTM E3187 Less Lethal Aerosol Devices Used by Law Enforcement, Corrections, and Other Public Safety Officers**

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device’s performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria.

#### **A. Definition of Model**

Characteristics that should affect the model’s ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Cannister material composition, or design
2. Ingredients contained within the formulation, including the propellant.

#### **B. Examples of Major Components**

1. Cannister materials – include all components
2. Spray Pattern
3. Propellant
4. Formulation
5. Active Ingredients

#### **C. Laboratory Testing Fees/ Attributes & Variables**

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### **32.6 NIJ 0117.00, NIJ 0117.01 Public Safety Bomb Suit Standard**

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device’s performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria.

#### **A. Definition of Model**

Characteristics that should affect the model’s ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Primary suit material composition, thickness or design including:
  - a. Garment material
  - b. Helmet/Visor material
2. Suit closure type, design and orientation
3. Addition of external components including;
4. Any component which affects the integrity of the protective suit.

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Color (unless pigmenting affects material composition)
2. Size
3. Internal components which do not affect the integrity of the protective suit.

### B. Examples of Major Components

6. Garment materials – include all layers
7. Helmet materials – include all layers
8. Closures
9. Seam types
10. Threads
11. Over-cover
12. Boot material

### C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

## 32.7 NIJ 1001.00 Criminal Justice Restraints Standard

“Model” is the collective term used to identify a group of protective devices of the same basic design and components from a single applicant produced by the same manufacturing and quality assurance procedures that are covered by the same certification. Any characteristic that affects the device's performance under the limits of the current certification standards constitutes a different model. For purposes of the SEI Certification Program, the above definition of the term “model” uses performance characteristics as the basic criteria.

A. Definition of Model

Characteristics that should affect the model's ability to meet the performance requirements of the certification standard and therefore require a new model designation:

1. Primary material composition, thickness or design including:
  - i. Restraint materials
  - ii. Restraint design
  - iii. Color (where pigmenting affects material composition)

Characteristics that should not affect the model's ability to meet the performance requirements of the certification standard and therefore would not require a new model designation:

1. Color (unless pigmenting affects material composition)
2. Size
3. Internal components which do not affect the integrity of the protective suit.

B. Examples of Major Components

1. Metallic components
2. Non-metallic components
3. Locking mechanisms

C. Laboratory Testing Fees/ Attributes & Variables

SEI currently has approved one (1) laboratory that may conduct testing to this standard. The schedule of rates for testing at these laboratories can be found on the SEI website and can be used to estimate the total cost of testing for all the models that are to be certified.

### 32.8 NIJ Specific Program Requirements

#### Criminal Justice Restraints Program

Per the January 2017 NIJ published *Minimum Scheme Requirements to Certify Criminal Justice Restraints Described in NIJ Standard 1001.00*, SEI shall comply with all requirements in this document. This document includes provisions for NIJ to file urgent complaints with a certification body regarding products it certifies to protect criminal justice end users of restraints products, such as police officers and correctional officers, if NIJ believes that a hazardous condition exists.

SEI participants in the certification program for NIJ Restraints are advised that SEI and its accreditation body, as required, shall provide NIJ requested information as outlined below.

1. NIJ may request information from the certification body.
2. NIJ may request in writing directly from the certification body a list of all actions taken against specified current or previously certified products, such as termination, reduction, suspension, or withdrawal of certification.
3. If requested to do so, the certification body shall provide in writing the information requested by NIJ in 4.3.1 within five (5) working days.
4. NIJ may bring urgent complaints to the certification body.
5. NIJ may bring urgent complaints regarding certified products, or products believed to be certified, directly to the certification body if NIJ believes that a hazardous condition exists.
6. The certification body shall provide an expedited response in writing to NIJ within five (5) working days, articulating how it plans to proceed with the urgent complaint, including actions it may take to determine the validity of the complaint and an estimated timeline to determine the validity of the complaint.
7. NIJ may request information from accreditation bodies.
8. NIJ may request in writing directly from an accreditation body a list of all actions taken against a conformity assessment body that it accredits in the certification scheme, such as termination, reduction, suspension, or withdrawal of certification.
9. If requested to do so, the accreditation body shall provide in writing the information NIJ requested in 4.5.1 within five (5) working days.

### Public Safety Bomb Suits Program

Per the March 2012 NIJ published *Public Safety Bomb Suit Certification Program Requirements NIJ CR-0117.00*, SEI shall comply with all requirements in this document. This document includes provisions for NIJ to file urgent complaints with a certification body regarding products it certifies to protect criminal justice end users of bomb suit products, such as police officers and correctional officers, if NIJ believes that a hazardous condition exists.

Participants in the certification program for NIJ Public Safety Bomb Suits are required to promptly provide supplier records (see Sections 10.2 and 10.3 of NIJ CR-0117.00) to NIJ upon request. Additionally, SEI participants in the certification program for NIJ Public Safety Bomb Suits are advised that SEI shall provide NIJ requested information as outlined below.

1. Upon request from NIJ, information gained in the course of the certification body's activities relating to the supplier or a particular product or model.
2. Upon request from NIJ, any information pertaining to the compliance of any product or model or pertaining to the certification body's accreditation.
3. The certification body shall promptly notify NIJ of any product recall notices it receives under Section 10.2 of NIJ CR-0117.00.
4. The certification body shall promptly notify NIJ of reports of safety issues as described in Section 11 of NIJ CR-0117.00.