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)** 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*).

<u>SEI Certification Submittal Form</u>

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

FEP	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.