



March 24, 2014

**TO INDUSTRIAL PROTECTIVE CLOTHING AND EQUIPMENT
MANUFACTURERS:**

New Standard and Additional Contract Test Laboratory

This bulletin will serve as an announcement to SEI Industrial Protective Clothing and Equipment Certification Program Participants regarding the introduction of a new standard and an additional contract test laboratory into the Industrial Protective Clothing and Equipment Certification Program

Introduction of a new standard and an additional contract test laboratory for the Industrial Protective Clothing and Equipment Certification Program

With unanimous approval from the SEI Board of Directors, SEI is pleased to announce that it has 1) adopted a new performance standard, ASTM F1506-10a, *Standard Performance Specification for Flame Resistant and Arc Rated Textile Materials for Wearing Apparel for Use by Electrical Workers Exposed to Momentary Electric Arc and Related Thermal Hazards*, and 2) entered into an agreement with ArcWear to conduct ASTM F1506 certification program testing.

SEI is confident the addition of ASTM F1506-10a and the signing of the agreement with ArcWear will initiate a long term relationship, benefiting both SEI Participants as well as consumers. ArcWear, located in Louisville, KY, has a long history of providing arc flash testing for protective apparel and other PPE items. Additionally, ArcWear is accredited as an ISO/IEC 17025 laboratory by the American Association for Laboratory Accreditation (A2LA) with a scope covering ASTM F1506 testing.

For submittals where the Participant has indicated on the SEI Submittal Form that they wish to conduct ASTM F1506 testing, Participants should please contact Ms. Stacy Klausing, PPE Project Engineer (contact info below) for sample forwarding procedures and laboratory inquiries.

Ms. Stacy Klausing
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SEI has provided the ArcWear test fee schedule for the ASTM F1506-10a standard with this bulletin. Please note this information will be included in the next revision of the SEI Certification Program Manual.

Please feel free to call the SEI Office if you have any questions or if we can be of other assistance to you.

Sincerely,



Tricia Hock
Program Development Director

cc: Mr. Jules Pinto, SEI Auditor
Mr. John Pio, SEI Auditor
Mr. Kevin Warren, SEI Auditor
Mr. Tim Kramer, SEI Auditor
Mr. Bob Bilz, SEI Auditor
Mr. Nitin Shahani, SEI Auditor
Mr. John Sabelli, SEI Auditor
Mr. Hugh Hoagland, ArcWear
Ms. Stacy Klausing, ArcWear

SEI Certification: ArcWear						
ASTM F1506 - 10a						
Test	Paragraph; Pass/Fail Criteria	Preconditioning	Procedure	Sample Requirements	Fees	Noncompliance Category
Label Content	Section 6.3	None	Checklist	1 copy	\$ 50.00	Minor
Design Criteria	Sections 6.1, 6.1.2	None	Checklist	1 garment	\$ 50.00	Minor
Inherently Flame Resistant Thread	Section 6.1.1	None	FTM 191A, 1534	1 yard of each thread	\$ 110.00	Major A
Woven Fabrics						
Breaking Load	Table 1	None	ASTM D5034 Grab Test G: CRT or CRE)*	5 meters	\$ 65.00	Major A
Tear Resistance	Table 1	None	ASTM D1424		\$ 65.00	Major A
Seam Slippage	Table 1	None	ASTM D434		\$ 80.00	Major B
Colorfastness - Laundering	Table 1	None	AATCC Method 61, IIA**		\$ 60.00	Minor
Colorfastness - Dry Cleaning	Table 1	None	AATCC Method 132		\$ 95.00	Minor
Dimensional Change	Table 1	After 5 laundering***	***		\$ 125.00	Major B
Flammability (Char Length & After Flame)	Table 1	None	ASTM D6413		\$ 115.00	Major A
Flammability (Char Length & After Flame)	Table 1	After 25 Launderings and/or Dry Cleanings***	ASTM D6413		\$ 740.00	Major A
Arc Test (After Flame & Arc Rating)****	Table 1, Sections 7.8 and 7.8.1		ASTM F1959/F1959M		See Applicable Fee Chart	Critical
Knit Fabrics						
Bursting Strength	Table 2	None	ASTM D3786	5 meters	\$ 65.00	Major A
Colorfastness - Laundering	Table 2	None	AATCC Method 61, IIA**		\$ 60.00	Minor
Colorfastness - Dry Cleaning	Table 2	None	AATCC Method 132		\$ 95.00	Minor
Dimensional Change	Table 2	After 5 laundering***	***		\$ 25.00	Major B

Flammability (Char Length & After Flame)	Table 2	None	ASTM D6413	5 meters	\$ 115.00	Major A
Flammability (Char Length & After Flame)	Table 2	After 25 Launderings and/or Dry Cleanings***	ASTM D6413		\$ 740.00	Major A
Arc Test (After Flame & Arc Rating)****	Table 2, Sections 7.8 and 7.8.1		ASTM F1959/F1959M		See Applicable Fee Chart	Critical
Non-Woven Limited use and Disposable Products						
Bursting Strength	Table 3	None	ASTM D3786	5 meters	\$ 65.00	Major A
Dimensional Change	Table 3	After 5 laundering***	***		\$ 125.00	Major B
Flammability (Char Length & After Flame)	Table 3	None	ASTM D6413		\$ 115.00	Major A
Flammability (Char Length & After Flame) - Limited Use Products Only	Table 3	After 25 Launderings and/or Dry Cleanings***	ASTM D6413		\$ 740.00	Major A
Arc Test (After Flame & Arc Rating)****	Table 3, Sections 7.8 and 7.8.1		ASTM F1959/F1959M		See Applicable Fee Chart	Critical
*or ASTM D2262 can be utilized if agreed upon						
**Launderable fabrics are expected to be dry-cleanable except where all or part of the fabric is not dry-cleanable and is so labeled. Goods labeled "Dry Clean Only" are to be only dry-cleaned						
***Laundering use AATCC Method 135, Cycle 3, Wash Cycle IV, Drying Procedure Aiii. This method should not be employed if fabrics are marked as "Do Not Wash". Dry Clean use AATCC Method 132.						
****Arc testing is required for Initial and/or Class I certification only, unless deemed otherwise.						

SEI Certification: ArcWear ASTM 1959 Item Price List (Revised for ASTM F1506 only)			
Description	Reference Standard	Calorie Range	Price
Textiles Textile Panel Testing (either APTV or EBT)			
Single Layer Full Rating	ASTM F1959, ASTM F1506	<25 cal/cm2	\$2,500
		Each additional <25 cal/cm2	\$2,300
Multi Layer or Heavy	ASTM F1959, ASTM	<25 cal/cm2	\$3,100

Single Layer (>25 cal) Full Rating	F1506	Each additional <25 cal/cm2	\$2,900
		25-50 cal/cm2	\$3,400
		50-80 cal/cm2	\$4,600
		>80 cal/cm2	\$5,200
Fabric Preparation and Other Prices			
Wash 3 times and dry once, each layer for multi layer system (AATCC Method 135)	ASTM F1959	Normal preparation, fabric arrive more than one week in advance	\$50
		Rush preparation, fabric arrive less than one week in advance	\$100
Cutting into panels, each layer for multi layer system	ASTM F1959	Normal preparation, fabric arrive more than one week in advance	\$50
		Rush preparation, fabric arrive less than one week in advance	\$100
Shipping of Test Materials	ASTM F1959	Return exposed test materials to a client	\$100 + actual shipping costs
Additional Arc Report	ASTM F1959	Additional Arc Testing Report	\$50
Change in Report (Report will be emailed)	ASTM F1959	Report Changes	\$50
Printed Arc Report, Signed and Stamped	ASTM F1959	Signed Report	\$50 + actual shipping cost