



**UNITED STATES  
CONSUMER PRODUCT SAFETY COMMISSION  
4330 EAST WEST HIGHWAY  
BETHESDA, MARYLAND 20814**

**Memorandum**

This document has been electronically  
approved and signed.

Date: May 23, 2016

**TO:** The Commission  
Todd A. Stevenson, Secretary

**THROUGH:** Mary T. Boyle, Acting General Counsel  
Patricia H. Adkins, Executive Director

**FROM:** Patricia L. Edwards,  
Voluntary Standards Coordinator, Office of Hazard  
Identification and Reduction

**SUBJECT:** Voluntary Standards Activities FY 2016 Mid-Year Report

Attached is U.S. Consumer Product Safety Commission staff's Voluntary Standards Activities FY 2016 Mid-Year Report (October 1, 2015 – March 31, 2016), which is forwarded for your information. If you have any questions, please contact Patricia Edwards at: 301-987-2224, or at: [pedwards@cpsc.gov](mailto:pedwards@cpsc.gov).

# ***VOLUNTARY STANDARDS TRACKING AND ACCESS REPORT***



## ***CPSC STAFF VOLUNTARY STANDARDS ACTIVITIES***

***FY 2016 MID-YEAR REPORT  
(October 1, 2015–March 31, 2016)***

**U.S. CONSUMER PRODUCT SAFETY COMMISSION  
4330 East West Highway, Bethesda, MD 20814**

This report was prepared by CPSC staff and has not been reviewed or approved by, and may not necessarily reflect the views of, the Commission.

## **Voluntary Standards Activities October 1, 2015–March 31, 2016**

### **SUMMARY**

Twenty new, revised, or reaffirmed voluntary safety standards, for which U.S. Consumer Product Safety Commission (“CPSC”) staff provided technical support were completed from October 1, 2015 to March 31, 2016. These safety standards address: bicycles (6), candles, clothes dryers, garage door operators, hand held infant carriers, headgear (2), high chairs, infant gates and other enclosures, infant swings, non-full-size cribs/play yards, sling carriers, strollers and smoke alarms

In total, from October 1, 2015 to March 31, 2016, CPSC staff provided technical support or was otherwise engaged in the development of voluntary safety standards for 70 different products, which are described in this report.

Voluntary standards development activities are handled primarily by three standards development/coordinating organizations: ASTM International (“ASTM”), the American National Standards Institute (“ANSI”), and Underwriters Laboratories Inc. (“UL”). The standards that are developed using the procedures of these groups provide safety provisions addressing potential hazards associated with consumer products found in homes, schools, and recreation areas.

### **VOLUNTARY STANDARDS AND THE CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 (“CPSIA”)**

During the reporting period, CPSC staff’s involvement in voluntary standards focused considerably on voluntary standards activities associated with implementing the Consumer Product Safety Improvement Act of 2008 (“CPSIA”) (Pub. L. No. 110-314).

CPSC staff worked with ASTM and its subcommittees during the reporting period to fulfill certain requirements of the CPSIA. The Danny Keysar Child Product Safety Notification Act, Section 104 of the CPSIA requires the Commission to promulgate consumer product safety standards for durable infant or toddler products. These standards are to be “substantially the same as” applicable voluntary standards or more stringent than these voluntary standards, if the Commission determines that more stringent requirements will further reduce the risk of injury associated with the product.

A “durable infant or toddler product” is defined in the CPSIA as a durable product intended for use, or that may be reasonably expected to be used, by children under the age of five and includes, but is not limited to: walkers, bath seats, full-size and non-full-size cribs, toddler beds, high chairs, booster chairs, hook-on chairs, gates and other enclosures, play yards, stationary activity centers, strollers, swings, bassinets, and cradles. Before issuing such standards, the Commission, in consultation with representatives of consumer groups, juvenile product manufacturers, and independent child product engineers and experts, is required to examine and assess the effectiveness of any voluntary consumer product safety standard for the relevant durable infant and toddler product. During the reporting period, the Commission issued a notice of proposed rulemaking (“NPR”) for high chairs; and NPRs for infant

bouncers and folding children’s chairs and stools were published. In addition, the final rule for hook-on-chairs was approved and published during the reporting period.

ASTM subcommittees develop and maintain voluntary safety standards for durable infant and toddler products, as well as other products. These subcommittees generally are comprised of consumer groups, juvenile product manufacturers, independent child product engineers and experts, and may include other interested stakeholders. Selected subcommittees, with input from CPSC staff, seek to develop revised voluntary safety standards that are substantially the same as mandatory safety standards that might be proposed by CPSC staff to the Commission. Later, CPSC staff evaluates the revised ASTM standards and, as appropriate, recommends that the Commission incorporate by reference the revised ASTM voluntary standards, together with more stringent safety provisions that may be appropriate, into CPSC mandatory standards. Cooperative activities between CPSC staff and the ASTM voluntary standards subcommittees include: evaluating death and injury data, hazard patterns, and recent recalls to identify gaps or potential safety hazards not covered in existing ASTM safety standards. These activities also include developing new testing protocols and conducting laboratory tests to validate testing approaches.

## **THE “V-STAR” REPORT**

This document contains the current Voluntary Standards Tracking and Access Report (“V-STAR”), which shows, among other things, product or product areas associated with the voluntary standards work, the name of the employee leading each activity, the name(s) and designation(s) of the standards associated with the product, the purpose of staff’s involvement, the reporting period activity, and staff’s next actions associated with the voluntary standard. The Office of Hazard Identification and Reduction compiled information from CPSC staff, which is reflected in this report. The V-STAR report is issued at the middle (mid-year report) and end (annual report) of the CPSC fiscal year, which runs from October 1 to September 30.

## **STANDARD DEVELOPMENT ORGANIZATION ABBREVIATIONS**

The following list contains abbreviations for the standard development organizations that staff is working with in the development of the 70 standards covered by this V-STAR report.

AFSL	The American Fireworks Standards Laboratory
AHAM	Association of Home Appliance Manufacturers
ANSI	The American National Standards Institute
APA	American Pyrotechnics Association
APSP	The Association of Pool and Spa Professionals
ASTM	ASTM International
CAN	Health Canada Regulation
CANENA	Council for Harmonization of Electrotechnical Standards of the Nations in the Americas

CSA	Canadian Standards Association
IEEE	The Institute of Electrical and Electronics Engineers
ISO	International Organization for Standardization <ul style="list-style-type: none"> <li>• TAG – Technical Advisory Group</li> </ul>
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association <ul style="list-style-type: none"> <li>• NEC – National Electrical Code</li> </ul>
NOCSAE	National Operating Committee on Standards for Athletic Equipment
OPEI	Outdoor Power Equipment Industry
PGMA	Portable Generator Manufacturers Association
ROHVA	Recreational Off-Highway Vehicle Association
SAE	Society of Automotive Engineers
SVIA	Specialty Vehicle Institute of America
UL	Underwriters Laboratories Inc. <ul style="list-style-type: none"> <li>• STP – Standard Technical Panel</li> </ul>
WCMA	Window Covering Manufacturers Association

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***CPSC Staff Voluntary Standards Activities  
FY 2016 Mid-Year Report  
(October 1, 2015–March 31, 2016)***

<b><i>Product</i></b>	<b>Architectural Glazing</b>
<b><i>Staff Contact</i></b>	Baker, Brian
<b><i>Standard(s)</i></b>	<i>American National Standard for Safety Glazing Materials Used in Buildings – Safety Performance Specifications and Methods of Test (ANSI Z97.1-2015)</i>
<b><i>Purpose</i></b>	To improve the safety of glazing materials used in buildings by providing technical support to develop the standard.
<b><i>Activities</i></b>	Before the reporting period, the CPSC granted petition CP12-3, which requested that the Commission amend 16 C.F.R. § 1201, <i>Safety Standard for Architectural Glazing Materials</i> . During the reporting period, staff developed and submitted a final rule briefing package to the Commission, recommending amending 16 C.F.R. § 1201.4 to include the updated testing protocol found in ANSI Z97.1-2015. The Commission voted to accept staff’s recommendation and the final rule published in the <i>Federal Register</i> on March 23, 2016 (Vol. 81, 15427).
<b><i>Next Action</i></b>	The final rule’s effective date is April 22, 2016. No activity is anticipated for the remainder of FY 2016.

<b><i>Product</i></b>	<b>All-Terrain Vehicles (ATVs)</b>
<b><i>Staff Contact</i></b>	Nesteruk, Hope
<b><i>Standard(s)</i></b>	<i>Four Wheel All-Terrain Vehicles (ANSI/SIVA 1-2010)</i>
<b><i>Purpose</i></b>	To revise the standard to include performance requirements to increase the safety of ATVs.
<b><i>Activities</i></b>	On March 10, 2016, CPSC staff attended a meeting with SVIA regarding ANSI/SVIA 1-2010. At the meeting, staff’s recommendations (sent in a letter dated May 1, 2015) were reviewed and discussed. SVIA announced that the revision process for the standard will begin soon. The technical advisory panel (TAP) will consider the recommendations outlined in staff’s letter as part of the revisions.

**Next Action** CPSC staff will provide technical assistance and guidance to the TAP and SVIA for the revision of ANSI/SVIA 1-2010.

**Product** **Baby Monitors**

**Staff Contact** Lee, Doug

**Standard(s)** *Consumer Safety Specification for Baby Monitors* (ASTM F2951-13)

**Purpose** To revise the standard to address strangulation and fire hazards associated with the use of baby monitors.

**Activities** The last version of ASTM F2951-13 was published in September 2013. The ASTM subcommittee for baby monitors last met in May 2015. No activity occurred during the reporting period.

**Next Action** Staff will be reviewing incident data and providing the data to the ASTM subcommittee in the 2<sup>nd</sup> half of FY 2016.

**Product** **Bassinets/Cradles**

**Staff Contact** Edwards, Patty

**Standard(s)** *Standard Consumer Safety Specification for Bassinets and Cradles* (ASTM F2194-13a)

**Purpose** To revise the ASTM standard to strengthen its safety provisions and to maintain alignment between the voluntary standard and the federal mandatory standard for bassinets and cradles.

**Activities** The current version of the standard (ASTM F2194-13a) was approved in September 2013, and published in March 2014. The federal standard for bassinets (16 C.F.R. part 1218) references the previous version, ASTM F2194-13, with some modifications. The ASTM subcommittee has been actively involved in developing a new requirement that is substantially the same as the removable bassinet bed stability requirement included in 16 C.F.R. part 1218. During the reporting period, staff attended and participated in subcommittee meetings that occurred on October 5, 2015 and on January 14, 2016. In addition, staff attended and participated in task group meetings to look at expanding the scope of the voluntary standard to include low-to-the-ground bassinets.

**Next Action** Staff will participate in the next ASTM subcommittee meeting and will review incident data associated with bassinets.

<b><i>Product</i></b>	<b>Batteries (Button, Coin Cell, Lithium, Toy, and Electronic Devices)</b>
<b><i>Staff Contact</i></b>	Lee, Doug
<b><i>Standard(s)</i></b>	<p><i>Standard for Safety for Products that Incorporate Button or Coin Cell Batteries Using Lithium Technologies, UL 4200A;</i>  <i>Standard for Rechargeable Batteries for Mobile Telephones (IEEE 1725); Standard for Rechargeable Batteries for Multi-Cell Computing (IEEE 1625);</i>  <i>Standard for Safety for Lithium Batteries (UL 1642);</i>  <i>Safety Standards for Primary, Secondary and Lithium Batteries (ANSI/NEMA C18);</i>  <i>Standard Consumer Safety Specification for Toy Safety (ASTM F963);</i>  <i>Standard for Household and Commercial Batteries (UL 2054);</i>  <i>Standard for Audio, Video, and Similar Electronic Apparatus–Safety Requirements (UL 60065);</i>  <i>Outline of Investigation for Safety of Power Banks (UL 2056);</i>  <i>Outline of Investigation for Electrical Systems for Self-Balancing Scooters (UL 2272)</i></p>
<b><i>Purpose</i></b>	To provide technical support toward the development and revision of battery safety standards and support the development of certification programs for batteries to ensure safe and reliable use. Hazards associated with batteries and battery chargers include: overheating, fire, thermal burns, exposure to electrolytes, explosions, ingestion, and electrical shock from chargers.
<b><i>Activities</i></b>	<p>The first edition of UL4200A was published on February 10, 2015. UL 4200A has specific accessibility and warning requirements to prevent children from accessing and ingesting coin cells from product enclosures. During the next year, the UL 4200A requirements are expected to be balloted for inclusion in UL standards for all products that contain lithium coin cells.</p> <p>On March 4, 2016, staff attended the ASTM subcommittee meeting for the toy standard (ASTM F963). As part of the CPSIA Section 106 activities, CPSC staff is working with industry to address battery hazards in toys and to revise the ASTM F963 toy standard. The last ballot item relating to batteries received several negatives, which were found to be non-persuasive at the subcommittee meeting on March 4, 2016. ASTM will be issuing F15 main committee ballots in spring 2016, to uphold the subcommittee action regarding the negative votes. On March 8, 2016, staff attended a meeting on self-balancing scooters (UL 2272). Changes to UL 2272 were discussed. UL is expected to issue a ballot in late spring/early summer 2016, incorporating the changes.</p>
<b><i>Next Action</i></b>	Staff will continue to participate in ASTM task groups to complete balloting of ASTM F963 requirements to address hazards with batteries in toys. Staff will continue to participate in ANSI/NEMA meetings to draft and harmonize requirements to eliminate or reduce ingestion and chemical burn hazards associated with button/coin cell batteries. Staff will also continue to participate in further developing UL 2272, regarding <i>Electrical Systems for Self-Balancing Scooters</i> .

**Product**            **Bed Rails (Adult)**

**Staff Contact**     Taylor, Michael

**Standard(s)**        ASTM - Not yet published

**Purpose**              To develop an ASTM safety standard for adult portable bed rails to reduce the risk of injury or death.

**Activities**          In late January 2016, ASTM balloted the draft new standard. The ballot closed on February 26, 2016, and received several negative votes covering a variety of issues.

**Next Action**        Staff will be participating in upcoming ASTM meetings to review and help resolve the negative votes.

**Product**            **Bedside Sleepers**

**Staff Contact**     Edwards, Patty

**Standard(s)**        *Standard Consumer Safety Specification for Bedside Sleepers (ASTM F2906)*

**Purpose**              To revise the ASTM standard to strengthen its safety provisions and maintain alignment with the federal mandatory standard for bedside sleepers.

**Activities**          No known voluntary standards development activity occurred during the last 6 months of the reporting period. Staff continues to review incident data associated with bedside sleepers.

**Next Action**        Staff will participate in the next ASTM subcommittee meeting when it is scheduled and will be providing ASTM with updated incident data.

**Product**            **Bicycles**

**Staff Contact**     Amodeo, Vincent

**Standard(s)**        *Standard Specification for Manually Operated Front Wheel Retention Systems for Bicycles – ASTM F2680-09 (and several other standards in the ASTM F08.10 subcommittee on Bicycles).*

<b><i>Purpose</i></b>	To develop new or revised ASTM safety standards to reduce or eliminate hazards associated with bicycles and bicycle components, such as quick-release mechanisms.
<b><i>Activities</i></b>	Staff did not participate in any voluntary standards activities for bicycles during the current reporting period. ASTM reapproved five different bicycle-related standards and revised another standard for non-powered bicycle trailers in the reporting period.
<b><i>Next Action</i></b>	Staff will participate in the spring 2016 F08.10 subcommittee meeting.
<b><i>Product</i></b>	<b>Booster Seats</b>
<b><i>Staff Contact</i></b>	Kish, Celestine
<b><i>Standard(s)</i></b>	<i>Standard Consumer Safety Specification for Booster Seats (ASTM F2640)</i>
<b><i>Purpose</i></b>	To help revise the ASTM standard to eliminate or reduce hazards and consider using the voluntary standard as the basis for a federal standard for booster seats.
<b><i>Activities</i></b>	The current version of ASTM F2640-14 was approved on January 1, 2014, before the reporting period. Staff attended and participated in subcommittee meetings held on October 8, 2015, and on January 14, 2016; and staff participated in task group conference calls held during the reporting period. At both subcommittee meetings, staff discussed recommendations for task group work concerning the stability and warnings/labeling requirements in the standard.
<b><i>Next Action</i></b>	Staff will participate in the next ASTM subcommittee meeting scheduled for spring 2016.
<b><i>Product</i></b>	<b>Candles and Candle Accessories</b>
<b><i>Staff Contact</i></b>	Ayers, Scott
<b><i>Standard(s)</i></b>	<i>Standard Test Method for Collection and Analysis of Visible Emissions from Candles as They Burn (ASTM F2326-04(2015))</i> <i>Standard Specification for Candle Fire Safety Labeling (ASTM F2058-07(2015))</i> <i>Standard Specification for Fire Safety for Candles (ASTM F2417-11)</i> <i>Standard Specification for Fire Safety for Candle Accessories (ASTM F2601-16)</i> <i>Standard Specification for Annealed Soda-Lime-Silicate Glass Containers That Are Produced for Use as Candle Containers (ASTM F2179-14)</i> <i>Standard Guide for Terminology Related to Candles and Associated Accessory Items (ASTM F1972-13)</i>
<b><i>Purpose</i></b>	To provide technical support to continue developing new, revised, and reapproved candle safety standards to reduce the hazards associated with candle and candle

accessories.

**Activities** A ballot item for ASTM F2601-13, requiring the use of aggressively burning tea lights when testing candle burners, was balloted and approved during the reporting period. The revised standard, including this revised test procedure, has not been published yet. Staff attended the F15.45 Subcommittee on Candle Fire Safety in February 2016. Wick migration, acrylic candle holders, paints/coatings and birthday candle hazards were discussed.

In addition, the *Standard Specification for Fire Safety for Candle Accessories* (ASTM F2601-16) was revised and approved on February 1, 2016.

**Next Action** Staff will continue to participate in ASTM subcommittee teleconferences and attend subcommittee meetings scheduled for the remainder of FY 2016.

**Product** **Changing Tables**

**Staff Contact** Donahue, Shaina

**Standard(s)** *Standard Consumer Product Safety Specification for Baby Changing Tables for Domestic Use* (ASTM F2388)

**Purpose** To help revise the ASTM standard to eliminate or reduce hazards and form the basis for a federal standard for changing tables.

**Activities** Staff attended and participated in ASTM subcommittee meetings held on October 6, 2015 and January 13, 2016. Staff made recommendations to the subcommittee regarding warning and labeling revisions to the standard. A task group was established to work on the potential revisions, and staff will participate. The collapse task group and restraints task group were both active during the reporting period, and staff participated in teleconferences associated with the development of new requirements for each issue. Staff also participated in teleconferences held by another task group that was formed to review the testing of enclosed openings related to changing tables with self-folding stairs.

**Next Action** Staff will participate in the next ASTM subcommittee meeting scheduled for spring 2016.

**Product** **Child-Resistant Packaging (“CRP”)**

**Staff Contact** Massale, John

**Standard(s)** *Standard Classification of Child-Resistant Packages* ASTM D3475-15

**Purpose** To provide technical support on activities of the ASTM Consumer, Pharmaceutical,

Child-Resistant and Medical Packaging Subcommittee (D10.32) and the CSA Technical Subcommittee on Child-Resistant Packaging (TC Z253).

<i>Activities</i>	Staff attended and participated in the ASTM D10.32 meeting on October 28, 2015. The subcommittee voted to ballot a new packaging class in ASTM D3475. Several other standards were archived, due to a lack of precision and bias studies. During the meeting, members expressed concerns about the committee being able to function fully.
<i>Next Action</i>	Staff will participate in the next task group meeting and ASTM D10.32 subcommittee meetings scheduled for spring 2016.
<i>Product</i>	<b>Clothes Dryers</b>
<i>Staff Contact</i>	Lee, Arthur
<i>Standard(s)</i>	<i>Standard for Electric Clothes Dryers (UL 2158)</i>
<i>Purpose</i>	The purpose of this standard development activity is to reduce clothes dryer fires and injuries.
<i>Activities</i>	UL 2158 was revised (Edition 4) on December 18, 2015. CPSC staff participated in monthly working group meetings on developing surrogate lint. The task group completed an AHAM-led pilot collection program which involved collecting sample lint from actual dryers and analyzing the characteristics. The results of the pilot may be submitted to UL to consider for the voluntary standard.
<i>Next Action</i>	CPSC staff will continue to participate on the UL Standards Technical Panel, and any related working group, to review and develop any proposals presented to the STP, as appropriate.
<i>Product</i>	<b>Constant-Air Inflatable Play Devices (for Home Use)</b> (e.g., Noncommercial “Bounce Houses” and Inflatable Slides)
<i>Staff Contact</i>	Amodeo, Vince
<i>Standard(s)</i>	<i>Standard Consumer Safety Specification for Constant Air Inflatable Play Devices for Home Use (ASTM F2729-12)</i>
<i>Purpose</i>	To revise the ASTM standard to reduce injuries associated with inflatable play devices intended for home use.
<i>Activities</i>	The ASTM standard has not been revised since 2012. Staff attended the ASTM subcommittee meeting on November 18, 2015, where improved anchoring

requirements were discussed. The subcommittee discussed the outstanding ballot items that have not yet been resolved for inclusion in the next revision of the standard.

**Next Action** Staff will participate in the next subcommittee meeting scheduled for spring 2016.

**Product** **Crib Bumpers**

**Staff Contact** Smith, Tim

**Standard(s)** *Standard Consumer Safety Performance Specification for Infant Bedding and Related Accessories (ASTM F1917)*

**Purpose** To revise the ASTM standard, as necessary, to reduce hazards associated with crib bumpers.

**Activities** Staff participated in the ASTM subcommittee meeting held on October 8, 2015. During this meeting, the subcommittee discussed adding additional products to the scope of the standard, such as crib rail covers and crib liners. Staff participated in task group conference calls on March 10 and March 24, 2016. Warning label scope, placement, and permanency were discussed. The goal of the task group was to present options for balloting at the next subcommittee meeting. Staff reviewed and provided incident data to the ASTM subcommittee during this reporting period.

**Next Action** Staff will participate in the next subcommittee meeting scheduled in spring 2016.

**Product** **Cribs (Non-Full-Size) and Play Yards**

**Staff Contact** Edwards, Patty

**Standard(s)** *Standard Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards (ASTM F406)*

**Purpose** To revise the ASTM standard to strengthen its provisions and keep the standard current with the federal mandatory standard for non-full size cribs and play yards.

**Activities** The current version of the ASTM standard was approved on November 1, 2015, and published in December 2015. This revision contained an exemption for play yards that sit on the floor and do not contain a mattress. In addition, the revision clarified the test requirement pertaining to cantilevered diaper changing units on play yards. Staff attended and participated in the subcommittee meeting held on October 7, 2015. In addition, staff reviewed and provided incident data to ASTM about play yards.

**Next Action** CPSC staff will continue to provide technical assistance to the subcommittee,

participate in task group activities, and attend the next subcommittee meeting.

<b><i>Product</i></b>	<b>Cribs (Commercial)</b>
<b><i>Staff Contact</i></b>	Edwards, Patty
<b><i>Standard(s)</i></b>	<i>Standard Consumer Safety Performance Specification for Commercial Cribs (ASTM F2710)</i>
<b><i>Purpose</i></b>	To revise the ASTM standard to increase the safety of cribs in commercial settings, such as hotels and child care centers, and to keep the standard current with the federal mandatory standard for cribs.
<b><i>Activities</i></b>	The current version of ASTM F2710 was published in November 2013. The subcommittee has not met since then. There was no staff activity for this standard during the reporting period.
<b><i>Next Action</i></b>	CPSC staff will participate and continue to provide technical assistance at the next subcommittee meeting.

<b><i>Product</i></b>	<b>Cribs (Full-Size)</b>
<b><i>Staff Contact</i></b>	Edwards, Patty
<b><i>Standard(s)</i></b>	<i>Standard Consumer Safety Specification for Full-Size Cribs (ASTM F1169)</i>
<b><i>Purpose</i></b>	To participate in any revisions of the ASTM standard to strengthen its safety provisions and to maintain alignment with the federal mandatory standard for full-size cribs.
<b><i>Activities</i></b>	Staff attended the crib subcommittee meeting held on October 7, 2015. Incident data were supplied to the subcommittee and are expected to be reviewed at the next subcommittee meeting scheduled for spring 2016.
<b><i>Next Action</i></b>	Staff will continue to provide technical assistance to the subcommittee and will participate in the next meeting scheduled for spring 2016.

<b><i>Product</i></b>	<b>Fireworks</b>
<b><i>Staff Contact</i></b>	Valliere, Rodney
<b><i>Standard(s)</i></b>	Various AFSL standards and APA 87-1

**Purpose** To provide technical support to the development of safety standards for consumer fireworks.

**Activities** Staff attended the AFSL Consumer Fireworks Standards committee meeting on February 5 and February 6, 2016. Staff participated in discussions about changes to provisions in the standards about audible effects tests, trace metals, and fuse attachments for large devices. Staff submitted a briefing package for the Fireworks Rule Review in December 2015; and currently, staff working on an NPR briefing package.

**Next Action** Staff will continue to attend and participate in AFSL and APA meetings in FY 2016.

**Product** **Flammable Liquids (Containers/Material Handling)**

**Staff Contact** Ayers, Scott

**Standard(s)** None at this time (ASTM F15.10 subcommittee and UL 30 STP may consider future standards for flammable liquid containers).

**Purpose** To develop a voluntary safety standard for flammable liquid fuel containers used in open-flame consumer applications.

**Activities** ASTM F15.10 is actively working on developing flame-mitigation devices (“FMDs”) (e.g., flame arrestors) for gasoline containers. Developing a standard for flammable liquid (such as fuel gels) containers depends on the FMD work for gasoline cans. Staff attended and participated in a meeting of the F15.10 subcommittee on October 14, 2015.

**Next Action** Staff will continue to participate in the ASTM F15.10 efforts. ASTM 15.10 has scheduled a full subcommittee meeting in July 2016. Staff expects a task group meeting specifically on FMDs sometime in the 3<sup>rd</sup> quarter of FY 2016. Staff also re-submitted a mid-year request for a contract to work on test protocols for FMDs.

**Product** **Flammable Refrigerants**

**Staff Contact** Ayers, Scott

**Standard(s)** *Safety Requirements for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Refrigerating Appliances, Ice-Cream Appliances, and Ice-Makers (CANENA/UL 66335-2-24)*

**Purpose** To provide technical support toward developing voluntary standards requirements for flammable (natural) refrigerants used in household refrigerators and freezers.

**Activities** Staff participated in several teleconferences about flammable refrigerants during the reporting period (October 14, 2015; December 3, 2015; January 7, 2016; January 11, 2016; February 4, 2016 and February 19, 2016). The discussions centered on the allowable maximum charge/mass for propane allowed for the refrigerant used in a refrigerator. The current limit in the CANENA/UL standard is much lower than what standards in Mexico or Europe require. Additional issues, such as using soldered or brazed joints vs. compression fittings, and requiring odorants, have been discussed.

**Next Action** Continue participating in the CANENA/UL 60335-2-24 working group meetings.

**Product** **Folding Chairs and Stools (Children’s)**

**Staff Contact** Amodeo, Vince

**Standard(s)** *Standard Consumer Safety Specification for Children’s Chairs and Stools (ASTM F2613)*

**Purpose** To revise the ASTM standard to reduce the hazards associated with children’s chairs and stools and to consider using the voluntary standard as the basis for a federal standard for children’s folding chairs and stools.

**Activities** The current version of the standard, ASTM F2613-14, was approved on October 1, 2014, and published in the same month.

Staff attended and participated in subcommittee meetings held October 9, 2015, and January 13, 2016. During the reporting period, ASTM issued a ballot item for sideways stability - a requirement that is included in the Commission’s NPR for children’s folding chairs and stools, which published on October 19, 2015. The ballot item received negative votes and was modified to address the votes. ASTM sent the ballot item back out in March 2016. At the end of this reporting period, the ballot has yet to close.

**Next Action** Staff will attend and participate in the next subcommittee meeting scheduled for spring 2016.

**Product** **Formaldehyde in MDF**

**Staff Contact** Carlson, Kent

**Standard(s)** *Medium Density Fiberboard Standard (ANSI 208.2-2009)*

**Purpose** To participate in the revision of the ANSI standard to ensure that the U.S. Environmental Protection Agency’s (“EPA”) rules regarding formaldehyde emissions

from composite wood products and the U.S. Department of Housing and Urban Development's ("HUD") regulations are considered in the standard.

**Activities** During the reporting period, staff provided written comments on the proposed revisions of ANSI 208.2-2009 and recommended delaying the revision until the EPA's and HUD's regulations regarding formaldehyde are finalized. In addition, staff noted there are two test methods referenced in ANSI 208.2-2009 that have been updated; thus, the citations in the standard are out of date.

**Next Action** Staff will maintain contact with the standard sponsor (Composite Panel Association) to stay informed of issues affecting publication of the standard.

**Product** **Formaldehyde in Particleboard**

**Staff Contact** Carlson, Kent

**Standard(s)** *Particleboard Standard (ANSI 208.1-2009)*

**Purpose** To participate in the revision of the ANSI standard on particleboard to ensure that the EPA's rules regarding formaldehyde emissions and HUD's regulations are considered in the standard.

**Activities** During the reporting period, staff provided written comments to the proposed revisions of ANSI 208.1-2009 and recommended delaying the revision until EPA's and HUD's regulations of formaldehyde are finalized. In addition, the staff noted that there are two test methods referenced in ANSI 208.2-2009 that have been updated; thus, the citations in the standard are out of date.

**Next Action** Staff will maintain contact with the standard sponsor (Composite Panel Association) to stay informed of issues affecting publication of the standard.

**Product** **Frame Child Carriers**

**Staff Contact** Edwards, Patty

**Standard(s)** *Standard Consumer Safety Specification for Frame Child Carriers (ASTM F2549)*

**Purpose** To revise the ASTM standard to strengthen its provisions and keep the standard current with the federal mandatory standard for frame child carriers.

**Activities** There were no voluntary standards meetings associated with frame child carriers during the reporting period. Staff continued to review incident data to prepare for the next ASTM subcommittee meeting.

<i>Next Action</i>	Staff will participate in the next ASTM subcommittee meeting, which is currently unscheduled.
<i>Product</i>	<b>Fuel Tanks (Leakage)</b>
<i>Staff Contact</i>	Lim, Han
<i>Standard(s)</i>	<i>Standard for Off-Road Ground-Supported Outdoor Power Equipment Gasoline Fuel Systems - Performance Specifications and Test Procedures (ANSI/OPEI B71.10-2013)</i>
<i>Purpose</i>	To provide technical assistance, as appropriate, to voluntary standard development activities concerning the ANSI/OPEI B71.10 standard, to improve safety.
<i>Activities</i>	Staff attended and participated in an OPEI B71.10 subcommittee meeting in February 2016, held at the CPSC National Product Testing and Evaluation Center in Rockville, MD to discuss the findings in the Engineering Sciences staff report, “ <i>Fuel Leaks Associated Outdoor Ground Supported Gasoline Powered Equipment.</i> ” The report contained data on fuel tank assembly testing, incident data, possible sources of fuel leaks, product recall data, and possible deficiencies in the standard.
<i>Next Action</i>	Staff will continue to provide technical support on activities related to the ANSI/OPEI B71.10-2013 standard and its revision.
<i>Product</i>	<b>Furniture Tip-Over</b>
<i>Staff Contact</i>	Massale, John
<i>Standard(s)</i>	<i>Standard Safety Specification for Clothing Storage Units (ASTM F2057-14)</i> <i>Standard Performance Specification for Tipover Restraint(s) Used with Clothing Storage Unit(s) (ASTM F3096-14)</i>
<i>Purpose</i>	To provide technical support to the ASTM Furniture Safety Subcommittee (F15.42) to revise the voluntary safety standards for furniture to address tip-over incidents.
<i>Activities</i>	Staff attended the ASTM subcommittee meeting held on October 8, 2015 Staff presented incident data and suggested how to improve the standard. Five task groups resulted: (1) Age/Weight; (2) In-Situation Testing; (3) Preamble Language; (4) Height of Units; and (5) Labeling. Staff has been involved in all the task groups and participated in several teleconferences during the reporting period.
<i>Next Action</i>	Staff will continue to participate in the task groups established by the subcommittee and will attend the upcoming subcommittee meeting in spring 2016.

**Product**                    **Garage Door Operators**

**Staff Contact**            Amodeo, Vincent

**Standard(s)**              *Standard for Safety Door, Drapery, Gate, Louver, and Window Operators and Systems (UL 325)*

**Purpose**                    To provide technical assistance, as appropriate, on voluntary standard development activities related to the UL standard to eliminate entrapment hazards associated with these products.

**Activities**                CPSC staff prepared a draft revision to 16 C.F.R. part 1211, which is based on the requirements in recently revised UL 325 standard (Edition 6), revised February 24, 2016). Staff's final rule briefing package was prepared and presented to the Commission in the reporting period. The Commission approved the revision to 16 C.F.R. part 1211.

**Next Action**             Staff will participate in the activities of the UL task group and will continue to focus on reducing entrapment hazards for residential garage door operators.

**Product**                    **Gas Ranges (Control Panels)**

**Staff Contact**            Lim, Han

**Standard(s)**              *American National Standard for Household Cooking Gas Appliances (ANSI/CSA Z21.1-2010)*  
*Automatic Electrical Controls for Household and Similar Use – Part 2-5: Particular Requirements for Automatic Electrical Burner Control Systems (ANSI/CSA Z21.20-2014)*

**Purpose**                    To develop performance requirements for ANSI/CSA Z21.1 and/or Z21.20 for safe operation of gas ranges and to mitigate electronic control panel malfunctions.

**Activities**                Staff attended a joint technical subcommittee on Standards for Automatic Gas Controls held on October 26, 2015. During the meeting, staff's letter requesting the formation of a working task group to review CPSC incident data was reviewed. A working group was established to review the data and to investigate possible root cause of the incidents. Staff participated in the working group, which held telephone conferences in December 2015, February 2016, and March 2016.

**Next Action**             Staff will continue to participate in the working group and provide technical support to activities related to the ANSI/CSA Z21.1 and/or Z21.20 standards and their revisions.

<b>Product</b>	<b>Gasoline Containers (Child-Resistant Containers)</b>
<b>Staff Contact</b>	Ayers, Scott
<b>Standard(s)</b>	<i>Standard Specification for Determination of Child Resistance of Portable Fuel Containers for Consumer Use (ASTM F2517)</i>
<b>Purpose</b>	To monitor and provide technical assistance, as appropriate, to voluntary standard development activities related to eliminating or reducing the poisoning of children by gasoline associated with portable fuel containers.
<b>Activities</b>	The current version of ASTM F2517-15 was approved on January 1, 2015. Before the reporting period, the Commission incorporated by reference ASTM F2517-15, in accordance with the Children’s Gasoline Burn Prevention Act. Staff has not conducted any work on the voluntary standard during this reporting period.
<b>Next Action</b>	Staff will participate in the ASTM F15.10 subcommittee for work on child-resistance requirements for gasoline containers. Staff plans to attend the subcommittee meeting scheduled for July 2016.

<b>Product</b>	<b>Gasoline Containers (Flame Arresters)</b>
<b>Staff Contact</b>	Scott Ayers
<b>Standard(s)</b>	<i>Standard Specification for Cautionary Labeling of Portable Gasoline, Kerosene, and Diesel Containers for Consumer Use (ASTM F839-15)</i> <i>Standard Specification for Portable Gasoline Containers for Consumer Use (ASTM F852-08)</i> <i>Standard Specification for Portable Kerosene and Diesel Containers for Consumer Use (ASTM F976-08)</i> <i>Standard Specification for Spill Resistant Fueling Systems for Portable Fuel Containers for Consumer Use (ASTM F2234-08)</i> <i>Standard Specification for Determination of Child Resistance of Portable Fuel Containers for Consumer Use (ASTM F2517-15)</i> <i>Standard Specification for One Time Use Portable Emergency Fuel Containers (PEFC) for Use by Consumers (ASTM F2874-12)</i>
<b>Purpose</b>	To provide technical assistance for developing performance requirements for flame-mitigation devices (“FMDs”) to be use by the ASTM 15.10 Subcommittee on the various standards for flammable liquid containers.
<b>Activities</b>	In September 2015, staff sent a letter to the Chairman of the ASTM F15.10 subcommittee asking if CPSC staff can initiate developing FMD requirements. Task group meetings were held in October 2015 and December 2015, updating CPSC staff on the progress of the FMD work. Phase 3 of testing began in January 2016, and will examine durability and real-world use-testing of portable gasoline containers with

FMDs installed.

**Next Action** ASTM 15.10 has scheduled a full subcommittee meeting in July 2016, and staff expects a task group meeting specifically on FMDs sometime in the 3<sup>rd</sup> quarter of FY 2016. Staff plans to attend both meetings.

**Product** **Gates and Other Enclosures**

**Staff Contact** Donahue, Shaina

**Standard(s)** *Standard Consumer Safety Specification for Expansion Gates and Expandable Enclosures (ASTM F1004)*

**Purpose** To help revise the ASTM standard to eliminate or reduce hazards and form the basis of a federal standard for gates and enclosures.

**Activities** The current version of the voluntary standard, ASTM F 1004-16, was recently revised and the revision approved on January 1, 2016. Staff participated in subcommittee meetings held on October 5, 2015 and January 12, 2016. In addition, staff participated in a task group testing meeting held at Bureau Veritas Laboratories in Buffalo, NY. During the reporting period, staff participated in several task groups to add new/revised requirements to the standard to address lock/latch/hardware failures, entrapments in openings, slat strength, and push-out incidents. In addition, staff recommended revisions to the warnings/labeling requirements in the standard.

**Next Action** Staff will continue to provide technical assistance to the subcommittee and participate in the next subcommittee meeting scheduled for spring 2016.

**Product** **Hand-Held Carriers**

**Staff Contact** Edwards, Patty

**Standard(s)** *Standard Consumer Safety Performance Specification for Hand-Held Infant Carriers (ASTM F2050)*

**Purpose** To revise the ASTM standard to strengthen its safety provisions and to maintain alignment of the voluntary standard with the federal mandatory standard for hand-held carriers.

**Activities** Staff attended and participated in ASTM subcommittee meetings held on October 6, 2015, and January 14, 2016. The subcommittee issued a ballot item pertaining to warning labels for hand-held bassinets/cribs. The ballot item was approved and included in the recent revision of the standard, F2050-16, which was approved on February 1, 2016.

**Next Action** Staff will continue to provide technical assistance and incident data to the subcommittee, participate on task groups, and attend the next subcommittee meeting.

**Product** **Helmets (Recreational)**

**Staff Contact** Hall, Ian

**Standard(s)** ASTM standards under the scope of the ASTM F08.53 subcommittee on Headgear and Helmets and standards developed by NOCSAE.

**Purpose** To revise the ASTM standards and monitor NOCSAE standards to improve consumer safety.

**Activities** There were two ASTM standards revised during the reporting period. ASTM F1163-15, *Protective Headgear – Horse Sports/Riding*, and ASTM F1446-15a and 15b, *Protective Headgear – Equipment & Procedures*, were both reaffirmed on October 1, 2015.

Additionally, during the reporting period, NOCSAE proposed a revised standard ND002-16, *Standard Performance Specification for Newly Manufactured Football Helmets*. On January 29, 2016, staff participated in NOCSAE’s winter board meeting. The status of the NOCSAE standards was reviewed.

**Next Action** CPSC staff will participate in the next ASTM subcommittee meeting and will continue to provide technical support to update various ASTM standards. Additionally, CPSC staff will continue to monitor NOCSAE standards and attend the next NOCSAE board meeting.

**Product** **High Chairs**

**Staff Contact** Marques, Stefanie

**Standard(s)** *Standard Consumer Safety Specification for High Chairs* (ASTM F404)

**Purpose** To help revise the ASTM standard to eliminate or reduce hazards and form the basis for a federal standard for high chairs.

**Activities** Staff finalized a briefing package for an NPR on high chairs during the reporting period. The NPR published on November 9, 2015. In addition, staff attended and participated in the October 8, 2015, ASTM subcommittee meeting, where ballot items for the rearward stability performance requirement and the warning/labeling requirements were discussed. Both ballot items had negatives found to be persuasive. The subcommittee voted to address the persuasive negatives and send them both back

out to ballot. The subcommittee met again on January 14, 2016, and staff was in attendance. The rearward stability requirement passed. There were still many negatives on the warning/labeling ballot, and that ballot was put on hold, pending results from the Ad Hoc committee working on warnings/labeling formats. The current version of the standard, F404-16, was revised and approved on January 15, 2016. The standard contains the newly approved rearward stability requirement.

**Next Action** Staff will participate in the next ASTM high chair subcommittee meeting, scheduled for spring 2016.

**Product** **Hook-On Chairs**

**Staff Contact** Edwards, Patty

**Standard(s)** *Standard Consumer Safety Specification for Hook-On Chairs (ASTM F1235)*

**Purpose** To maintain alignment of the ASTM voluntary standard with the federal mandatory standard for hook-on chairs.

**Activities** There were no meetings regarding the hook-on chair voluntary standards during the reporting period. In February 2016, staff prepared a final rule briefing package for hook-on chairs, in accordance with Section 104 of the CPSIA. The Commission approved the new standard, which incorporates by reference the ASTM voluntary standard, ASTM F1235-15, with no modifications. The final rule, 16 C.F.R. part 1233, published in the *Federal Register* on March 28, 2016.

**Next Action** Staff will continue to supply incident data and participate in the next subcommittee meeting when it is scheduled.

**Product** **Inclined Sleep Products**

**Staff Contact** Kish, Celestine

**Standard(s)** *Standard Consumer Safety Specification for Infant Inclined Sleep Products (ASTM F3118)*

**Purpose** To help revise the ASTM standard to eliminate or reduce hazards and consider using the voluntary standard as the basis for a federal standard for inclined sleep products.

**Activities** The first version of the standard, ASTM F3118-15, was approved on April 1, 2015, and published in May 2015. During the reporting period, staff attended meetings on October 5, 2015, and January 14, 2016. Task groups were established to revise the seat back measuring method outlined in the standard and to revise the warnings and labeling sections, based on staff's recommendations. A ballot was issued in February

2016, to revise the seat back measuring method.

**Next Action** CPSC staff will participate in the next ASTM subcommittee meeting scheduled for spring 2016.

**Product** **Infant Bath Seats**

**Staff Contact** Edwards, Patty

**Standard(s)** *Standard Consumer Safety Specification for Infant Bath Seats (ASTM F1967)*

**Purpose** To maintain alignment of the ASTM voluntary standard with the federal mandatory standard for infant bath tubs.

**Activities** The ASTM subcommittee did not meet during the reporting period. Staff reviewed the incident data pertaining to infant bath seats and reported the results to the ASTM subcommittee chairman.

**Next Action** Staff will continue to provide technical assistance and incident data to the subcommittee, as appropriate, and will attend the next ASTM subcommittee meeting, when scheduled.

**Product** **Infant Bath Tubs**

**Staff Contact** Kish, Celestine

**Standard(s)** *Consumer Safety Specification for Infant Bath Tubs (ASTM F2670)*

**Purpose** To help revise the ASTM standard to eliminate or reduce drowning hazards and to consider using the voluntary standard as the basis for a federal standard for infant tubs.

**Activities** Staff participated in subcommittee meetings held on October 6, 2015 and January 13, 2016. During the reporting period, ASTM issued ballots to revise two test procedures in the standard: locking/latching durability and static load. These items have been approved, and a new standard is expected to be published in spring 2016. The staff-recommended warnings/labeling revisions have been further developed by the task group, and the revisions are expected to be balloted in late spring/early summer 2016.

**Next Action** Staff will continue to provide technical assistance to the subcommittee and will participate in the next ASTM subcommittee meeting scheduled for spring 2016.

**Product** **Infant Bouncers**

**Staff Contact** Wanna-Nakamura, Suad

**Standard(s)** *Standard Consumer Safety Specification for Infant Bouncer Seats (ASTM F2167)*

**Purpose** To help revise the ASTM standard to eliminate or reduce hazards and serve as the basis for a federal standard for infant bouncer seats.

**Activities** The current version of ASTM F2167-15 published before the reporting period, in June 2015. The standard included substantial changes to the warnings. In the reporting period, staff attended and participated in two subcommittee meetings on October 6, 2015, and January 13, 2016. During the January meeting, the subcommittee voted to change the suffocation warning label language to match the NPR language published on October 19, 2015, under 16 C.F.R. part 1229.

**Next Action** Staff will continue to provide technical assistance to the ASTM F15.21 subcommittee, participate in task groups, and attend the next subcommittee meetings scheduled for spring 2016 and summer 2016.

**Product** **Infant Slings (Sling Carriers)**

**Staff Contact** Nesteruk, Hope

**Standard(s)** *Consumer Safety Specification for Sling Carriers (ASTM F2907)*

**Purpose** To help revise the ASTM standard to eliminate or reduce hazards and serve as the basis for a federal standard for sling carriers (sometimes called infant slings).

**Activities** Staff attended and participated in the October 6, 2015, subcommittee meeting. Ballot results for a revision to the Occupant Retention Test were reviewed. The ballot item passed, and the standard was revised, and ASTM F2907-15 was approved on October 15, 2015. Staff also continued to work on the briefing package for the final rule for sling carriers.

**Next Action** Staff will participate in the next ASTM subcommittee meeting and will participate in any intervening task group meetings. Staff also intends to finalize the final rule briefing package before the end of fiscal year 2016.

**Product** **Infant Swings**

**Staff Contact** Kish, Celestine

**Standard(s)** *Standard Consumer Safety Specification for Infant Swings (ASTM F2088)*

<i>Purpose</i>	To revise the ASTM standard to strengthen its safety provisions and to maintain alignment of the voluntary standard with the federal mandatory standard for infant swings.
<i>Activities</i>	A revision of the ASTM standard (ASTM F2088-15) was approved in October 2015. It contains an update of the test procedure and adds guidance on the age at which infant swings should no longer be used. Staff participated in the subcommittee meeting held on October 4, 2015. In addition, staff provided incident data to the subcommittee. The data will be reviewed and discussed during the spring 2016 subcommittee meeting.
<i>Next Action</i>	Staff will continue to provide technical assistance to the subcommittee and participate in the next ASTM subcommittee meeting scheduled for spring 2016.
<i>Product</i>	<b>Infant Walkers</b>
<i>Staff Contact</i>	Edwards, Patty
<i>Standard(s)</i>	<i>ASTM Standard Consumer Safety Performance Specification for Infant Walkers (ASTM F977)</i>
<i>Purpose</i>	To maintain alignment of the ASTM voluntary standard and the federal mandatory standard for infant walkers.
<i>Activities</i>	There were no ASTM subcommittee meetings on infant walkers during the reporting period.
<i>Next Action</i>	Staff will continue to provide incident data and technical assistance to the subcommittee and participate in the next subcommittee meeting, when it is scheduled.
<i>Product</i>	<b>Liquid Laundry Packets</b>
<i>Staff Contact</i>	Newens, Sarah
<i>Standard(s)</i>	<i>Standard Safety Specification for Liquid Laundry Packets (ASTM F3159)</i>
<i>Purpose</i>	To assess the new ASTM standard to significantly reduce deaths and severity of injuries from exposure to concentrated liquid laundry detergent packets.
<i>Activities</i>	A new standard for liquid laundry packets (ASTM F3159-15) was published in October 2015. During the reporting period, staff continued to attend and participate in several meetings with ASTM task groups. In addition, a steering team was formed to research and present various topics of interest to stakeholders, including consumer

advocacy groups, manufacturers, and regulatory agencies. Meetings during the reporting period pertained to the planning of a roundtable meeting and data monitoring. The data task group met to establish criteria for assessing the effectiveness of the voluntary standard, including the scope of the analysis, determination of the baseline period, target age, incident data sources, analysis methodology, frequency of reporting, and thresholds for acceptable reduction in incidents. Potential future requirements for the standard, such as bite tests, packet attractiveness, and child-resistant packaging have also been discussed. On March 3, 2016, a roundtable meeting was held in Washington D.C., and staff participated. Presentations on consumer market research, poison control data and global perspectives were part of the roundtable.

**Next Action** Staff will continue to participate in ASTM meetings and provide technical assistance when needed. The ASTM task group is planning future roundtable meetings, in which staff intends to participate.

**Product** **Mattresses**

**Staff Contact** Scott, Lisa

**Standard(s)** *Standard Test Method for Measuring the Heat Release Rate of Low Flammability Mattresses and Mattress Sets (ISO 12949)*

**Purpose** To participate in any voluntary standards development activities related to mattresses, including the technical review of ISO 12949.

**Activities** Staff is currently monitoring ISO Technical Committee 92 to see when the ISO standard, which is based on 16 C.F.R part 1633, will be on the agenda for its 5-year review.

**Next Action** Staff plans to provide technical support, as appropriate, on any standards activities relating to mattress flammability.

**Product** **Mowers**

**Staff Contact** Murphy, John

**Standard(s)** *Standard for Consumer Turf Care Equipment-Walk-Behind Mowers and Ride-on Machines with Mowers-Safety Specifications (ANSI/OPEI B71.1-2003)*

**Purpose** To provide technical support on the maintenance and revision of the ANSI standard to reduce injuries.

**Activities** OPEI is expected to issue a draft revised standard for comment in FY 2016; and

CPSC staff is on the canvass list. The draft revised standard has not yet been sent out for comments. During the reporting period, staff worked on developing comments to the No-Mow in Reverse provisions to address the incidents in which a mower ran over children.

**Next Action** Staff will provide comments on the proposed revisions to the standard when the standard is circulated for comments.

**Product** **National Electrical Code (NEC)**

**Staff Contact** Lee, Doug

**Standard(s)** *National Electrical Code, NFPA 70*

**Purpose** To revise the safety provisions of the NEC to reduce electrical fires, carbon monoxide poisoning, and shock incidents associated with consumer products, including appliances, electrical equipment, and wiring products.

**Activities** Staff participated in the second draft/report on comment meeting in November 2015, to review the public comments for the 2017 edition of the NEC.

**Next Action** Staff will participate in the NFPA annual meeting in June 2017, to support committee actions on the 2017 edition of the NEC.

**Product** **Nanotechnology**

**Staff Contact** Matheson, Joanna

**Standard(s)** *New Guide for Detection and Characterization of Manufactured Silver Nanomaterials in Textiles (ASTM E3025)*

**Purpose** To monitor and provide technical assistance, as appropriate, to develop consumer product safety standards for nanotechnology.

**Activities** Staff remains active as part of the US TAG to develop ISO standards regarding nanotechnology. Staff also participated in ASTM F56 subcommittee activity and the development of a new guide on silver nanomaterials in textiles. During the reporting period, ASTM E56 and the US TAG for ISO TC229 did not meet.

**Next Action** CPSC staff is obtaining membership in ISO TC229 and will attend the spring 2016 ISO TC229 US TAG meeting. Staff will also monitor the implementation of the ISO/TS 13830: 2013 labeling standard. This ISO standard provides guidance on the content of voluntary labels for consumer products containing manufactured nano-objects.

<b><i>Product</i></b>	<b>Phthalates</b>
<b><i>Staff Contact</i></b>	Dreyfus, Matt
<b><i>Standard(s)</i></b>	<i>Standard Test Method for Determination of Low Level, Regulated Phthalates in Poly (Vinyl Chloride) Plastics by Thermal Desorption – Gas Chromatography/Mass Chromatography (ASTM D7823-13)</i>
<b><i>Purpose</i></b>	To develop new test methods for determining the presence of low-level, regulated phthalates in poly (vinyl chloride) plastics.
<b><i>Activities</i></b>	Staff attended a teleconference on November 16, 2015, pertaining to ASTM F7823-13. During the meeting, round robin testing was discussed for testing a new standard reference material containing phthalates. A draft of the revised solvent extraction test method was discussed and edited.
<b><i>Next Action</i></b>	Staff will participate in future meetings and continue to edit the draft solvent extraction method.

<b><i>Product</i></b>	<b>Playground Equipment (Home)</b>
<b><i>Staff Contact</i></b>	Phillips, Khalisa
<b><i>Standard(s)</i></b>	<i>Standard Consumer Safety Performance Specification for Home Playground Equipment (ASTM F1148)</i>
<b><i>Purpose</i></b>	To revise the ASTM standard to strengthen its safety provisions to address known hazards associated with home playground equipment.
<b><i>Activities</i></b>	Staff participated in the subcommittee meeting held on November 16, 2015. During the meeting, the discussion focused on a recent ballot measure related to dynamic swing testing. In addition, the subcommittee discussed the issue of swing chains breaking and how to include a requirement or test in the standard for swing chain strength.
<b><i>Next Action</i></b>	Staff will participate in the next subcommittee meeting scheduled for spring 2016.

<b><i>Product</i></b>	<b>Playground Equipment (Public)</b>
<b><i>Staff Contact</i></b>	Phillips, Khalisa
<b><i>Standard(s)</i></b>	<i>Standard Consumer Safety Performance Specification for Public Playground Equipment (ASTM F1487)</i>

<i><b>Purpose</b></i>	To revise the ASTM standard to strengthen its safety provisions to address the hazards associated with public playground equipment.
<i><b>Activities</b></i>	Staff participated in the subcommittee meeting for public playground equipment held on November 17, 2015. During the meeting, participants discussed: <ul style="list-style-type: none"> <li>• Hosting a symposium on playground safety and innovation;</li> <li>• Merging the F2373 standard (for children 6 months to 23 months) with F1497 (for children 2-12 years); a task group was formed for further discussion;</li> <li>• Harmonizing definitions in the standard with ISO;</li> <li>• Including guidance on how to do a risk analysis in the scope of the standard; and</li> <li>• Whether to include “foreseeable use” and/or “foreseeable misuse” in the standard.</li> </ul>
<i><b>Next Action</b></i>	CPSC staff will participate in the next subcommittee meetings scheduled for spring 2016.
<i><b>Product</b></i>	<b>Portable Bed Rails (Children’s)</b>
<i><b>Staff Contact</b></i>	Edwards, Patty
<i><b>Standard(s)</b></i>	<i>Standard Consumer Safety Specification for Portable Bed Rails (ASTM F2085)</i>
<i><b>Purpose</b></i>	To maintain alignment of the ASTM voluntary standard with the federal mandatory standard for portable bed rails for children.
<i><b>Activities</b></i>	There were no voluntary standard subcommittee meetings on portable bed rails during the reporting period. Staff reviewed and provided incident data to the ASTM subcommittee chairman in March 2016.
<i><b>Next Action</b></i>	Staff will participate in the next ASTM subcommittee meeting, when it is scheduled.
<i><b>Product</b></i>	<b>Portable Fireplaces (Firepots and Unvented Alcohol Appliances)</b>
<i><b>Staff Contact</b></i>	Ayers, Scott
<i><b>Standard(s)</b></i>	<i>Standard for Unvented Alcohol Fuel Burning Appliances (UL 1370)</i>
<i><b>Purpose</b></i>	To help develop a voluntary safety standard for portable, unvented liquid-fuel burning appliances.
<i><b>Activities</b></i>	During the last reporting period, CPSC staff sent UL a proposal for requirements on portable fireplaces. In response, UL established a task group to work the proposed requirements into a draft standard. The task group is currently developing a draft standard and expects to send the draft standard to the UL STP in the 4 <sup>th</sup> quarter of FY 2016 to consider. Staff expects that if the STP accepts the draft standard, then a new

standard specifically for portable fireplaces would be created, rather than appending the existing standard, UL 1370.

The STP updated UL 1370 during the reporting period, with modifications to the scope, fuel capacity and test room size; made editorial changes; and specified additional requirements for outdoor appliances.

**Next Action** Staff will continue to work with the task group and attend any meetings related to developing the new standard.

**Product** **Portable Generators**

**Staff Contact** Buyer, Janet

**Standard(s)** *Safety and Performance of Portable Generators (ANSI/PGMA G300-2015)*  
*Standard for Portable Engine-Generator Assemblies (UL 2201)*

**Purpose** To develop a national consensus safety standard to reduce carbon monoxide (“CO”) deaths and serious injuries associated with portable generators.

**Purpose** Staff participated in several UL 2201 CO subtask group meetings (October 16, 2015; December 1, 2015; December 18, 2015; January 22, 2016; and February 25, 2016), where a draft test method for determining CO emission rates of portable generators was reviewed, edited, and discussed. Staff provided comments and input to the draft.

In addition, staff met with PGMA, at their request, on December 10, 2015. During this meeting, issues such as the effectiveness of the mandatory label, the pace of the UL subtask group meetings, and alternative strategies to address the CO hazard were discussed. Staff also participated in PGMA’s Technical Summit on CO Hazard Mitigation for Portable Generators on March 17, 2016.

**Next Action** Staff will continue to participate in the activities of UL’s task group and will continue to focus on reducing CO poisoning associated with portable generators, working with any and all SDOs that seek to address these poisonings. Staff will also continue to participate in the STP maintaining the UL 2201 standard. Staff will continue to participate in PGMA’s activities if they begin voluntary standards activity.

**Product** **Power Equipment (formerly Table Saws)**

**Staff Contact** Paul, Caroleene

**Standard(s)** *Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery – Safety – Part 2-1: Particular Requirements for Transportable Table Saws (IEC 62841-3-1)*

<i><b>Purpose</b></i>	To revise the standard to include performance requirements to reduce or mitigate blade contact injuries from table saws.
<i><b>Activities</b></i>	During the last reporting period, UL informed staff that UL was adopting IEC 62841-3-1 to replace UL 987 as the voluntary standard for table saws. UL created a work area on February 19, 2016, for comments on adopting IEC 62841-3-1 and adopting the active injury mitigation system (“AIMS”) requirements for table saws. During the reporting period, staff submitted comments to the ballot and urged the STP and UL to accept the proposal to incorporate AIMS requirements into the standard. The ballot results will be available in spring 2016.
<i><b>Next Action</b></i>	CPSC staff will continue to provide technical assistance and will encourage UL to adopt AIMS requirements for table saws.
<i><b>Product</b></i>	<b>Ranges (Tip-Over)</b>
<i><b>Staff Contact</b></i>	Lee, Arthur
<i><b>Standard(s)</b></i>	<i>Standard for Household Electric Ranges (UL 858)</i>
<i><b>Purpose</b></i>	To revise the UL standard to reduce freestanding range tip-over hazards.
<i><b>Activities</b></i>	There were no voluntary standards activities associated with the tip-over hazard of household electric ranges during the reporting period.
<i><b>Next Action</b></i>	CPSC staff will participate by reviewing, developing, and commenting on future proposals for range stability, as appropriate.
<i><b>Product</b></i>	<b>Recreational Off-Road Vehicles (ROVs)</b>
<i><b>Staff Contact</b></i>	Paul, Caroleene
<i><b>Standard(s)</b></i>	<i>Recreational Off-Highway Vehicles Association (ANSI/ROHVA 1-2014) American National Standard for Multipurpose Off-Highway Utility Vehicles (ANSI/OPEI B71.9-2012)</i>
<i><b>Purpose</b></i>	To revise the standards to include effective safety performance requirements for lateral stability, vehicle steering, and occupant protection performance.
<i><b>Activities</b></i>	Staff attended and participated in a ROHVA voluntary standards meeting on October 5, 2015, which staff hosted at CPSC headquarters in Bethesda, MD. During the meeting, ROHVA representatives summarized the areas of concern expressed by CPSC staff at the October 23, 2014 public meeting and the proposed requirements for

the next revision of the ROHVA standard that address those concerns. Staff also urged ROHVA and OPEI to ballot their respective proposals for staff to provide comments. OPEI and ROHVA balloted canvass drafts of their revised standards on October 30, 2015, and November 2, 2015, respectively. On December 1, 2015, CPSC staff commented on both canvass drafts and supported the proposed changes. OPEI and ROHVA reballoted proposed changes to their respective standards in February 2016, and CPSC staff responded, supporting the proposed changes.

**Next Action** CPSC staff anticipates ANSI approval of ANSI/ROHVA 1-2016 and ANSI/OPEI B71.9-2016 in spring 2016. Staff will prepare a briefing package with their assessment of the voluntary standards for ROVs.

**Product** **Smoke Alarms**

**Staff Contact** Lee, Arthur

**Standard(s)** *Standard for Single and Multiple Station Smoke Alarms (UL 217)*  
*National Fire Alarm and Signaling Code (NFPA 72)*

**Purpose** To revise the UL and the NFPA standards to improve consumer safety associated with smoke alarms.

**Activities** Staff did not participate in any voluntary standards activities during the reporting period for smoke alarms. On October 30, 2015, UL 217 was revised (Edition 8).

**Next Action** Staff will continue to participate in any future UL 217 task group activities and participate in the NFPA 72 technical group to develop the next edition of the standard.

**Product** **Soft Infant and Toddler Carriers**

**Staff Contact** Amodeo, Vince

**Standard(s)** *Standard Consumer Safety Specification for Soft Infant Carriers (ASTM F2236)*

**Purpose** To revise the ASTM standard to strengthen its safety provisions and keep it current with the federal mandatory standard for soft infant and toddler carriers.

**Activities** Staff attended ASTM subcommittee meetings for soft infant carriers on October 6, 2016. Ballot results regarding revised requirements and definitions of load-bearing fasteners were reviewed. The ballot was redrafted, based on negative votes, and was sent back out for ballot. The ballot results are due in spring 2016.

**Next Action** CPSC staff will attend and participate in the next subcommittee meeting scheduled

for spring 2016.

<b>Product</b>	<b>Spray Polyurethane Foam Insulation (Residential Off-Gas)</b>
<b>Staff Contact</b>	Biggs, Melanie
<b>Standard(s)</b>	<i>Test Method for Estimating Chemical Emissions from Spray Polyurethane Foam (SPF) Insulation Using Micro-Scale Environmental Test Chambers (ASTM WK40293 – under development)</i> <i>New Standard Measuring Chemical Emissions from Spray Polyurethane Foam (SPF) Insulation Samples in a Large-Scale Spray Booth (ASTM WK51588 – under development)</i> <i>New Standard Application of Indoor Emission and Fate Modeling for Spray Polyurethane Foam (SPF) Insulation (ASTM WK52052 – under development)</i>
<b>Purpose</b>	To provide technical support to develop voluntary standards to test for chemical emissions from spray polyurethane foam (“SPF”) insulation to eliminate or adequately reduce toxic off-gassing.
<b>Activities</b>	This voluntary standard development project focused on work items under the ASTM Air Quality/Indoor Air Subcommittee (ASTM D22.05) to measure or model emissions from these SPF products using micro-scale environmental test chambers, a large-scale spray booth, or computer models. During the reporting period, staff prepared for the ASTM D22 spring meeting.
<b>Next Action</b>	Staff will continue to provide technical support to the subcommittee and attend/participate in future meetings.
<b>Product</b>	<b>Stationary Activity Centers</b>
<b>Staff Contact</b>	Baker, Brian
<b>Standard(s)</b>	<i>Standard Consumer Safety Specification for Stationary Activity Centers (ASTM F2012)</i>
<b>Purpose</b>	To help revise the ASTM standard to eliminate or reduce hazards and serve as the basis for a federal standard for stationary activity centers.
<b>Activities</b>	At the ASTM subcommittee meeting on October 5, 2015, two new ballot items were approved to be issued: (1) adding a new definition for “closed-base stationary activity centers,” and (2) removing unrelated references. At the meeting of January 12, 2016, the ballot results were reviewed and the definition ballot received a negative vote, which was not resolved. During the meeting in January 2016, the task group looking into spring failures also discussed possible new requirements. On March 30, 2016, staff also participated in a task group teleconference regarding spring failures. The

task group is considering staff's recommendation to require a redundant system and discussed how to test such a system.

**Next Action** Staff will continue to provide technical assistance to the subcommittee and task group and will participate in the next subcommittee meeting scheduled for spring 2016.

**Product** **Strollers**

**Staff Contact** Balci-Sinha, Rana

**Standard(s)** *Standard Consumer Safety Specification for Carriages and Strollers (ASTM F833)*

**Purpose** To revise the ASTM standard to strengthen its safety provisions and to maintain alignment between the voluntary standard and the federal mandatory standard for carriages and strollers.

**Activities** Staff attended and participated in the October 9, 2015, subcommittee meeting. During the meeting, one remaining ballot item was discussed: whether to uphold a non-persuasive vote on a previous ballot item. It passed, and a new version of the standard, F833-15, was approved and published in December 2015. This version contains several revisions to align the standard with the federal standard for strollers, 16 C.F.R. part 1227.

**Next Action** Staff will continue to provide technical assistance to the subcommittee and participate in the next subcommittee meeting scheduled for spring 2016.

**Product** **Swimming Pools and Spas (Drain Covers)**

**Staff Contact** Sharpless, Perry

**Standard(s)** *American National Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs (ANSI/APSP-16-2011).*

**Purpose** To monitor and provide technical support to develop voluntary safety standards to reduce deaths and injuries associated with swimming pools, spas, wading pools, and hot tubs. An additional purpose is to provide technical support to voluntary safety standards activities associated with the Virginia Graeme Baker Pool and Spa Safety Act ("VGBA"), which deals with entrapment hazards in swimming pools, wading pools, spas, and hot tubs available to the general public, as well as products such as pool drain covers.

**Activities** On October 15, 2015, staff sent a letter to the APSP-16 Technical Committee Chairman with specific recommendations regarding the revision of APSP-16-2011. In addition,

staff attended the APSP-16 technical committee meetings held on November 7 - 8, 2015, and on February 3 - 4, 2016.

**Next Action** Staff will continue to provide technical assistance and participate in the standards revision process. APSP anticipates balloting the revised standard in summer 2016.

**Product** **Tents**

**Staff Contact** Tenney, Allyson

**Standard(s)** ASTM (Under development, not yet published)

**Purpose** To assist in developing an ASTM voluntary standard that will address the hazards associated with tent flammability.

**Activities** Health Canada is revising their mandatory requirements for tents. An ASTM task group was formed to initiate developing a standard for tent flammability. Staff reviewed incident data and began compiling a summary.

**Next Action** Staff will compile a summary of incidents involving tents and will participate in future subcommittee and task group meetings in FY 2016.

**Product** **Toddler Beds**

**Staff Contact** Kish, Celestine

**Standard(s)** *Standard Consumer Safety Specification for Toddler Beds* (ASTM F1821)

**Purpose** To revise the ASTM standard to harmonize with the federal mandatory standard for toddler beds (16 C.F.R. part 1217).

**Activities** The current version of ASTM F1821-15 was approved on February 1, 2015. During the reporting period, staff attended the toddler bed subcommittee meeting held on October 7, 2015. In addition, staff provided comments regarding a ballot item revising the openings test procedure to match the federal standard. Staff comments provided alternative wording to what was balloted. The subcommittee agreed to withdraw the ballot and start over, using staff's suggested language. The ballot was reissued, and results will be discussed at the spring 2016 subcommittee meeting.

**Next Action** Staff will continue to provide technical assistance to the subcommittee and participate in the next subcommittee meeting scheduled for spring 2016.

<b><i>Product</i></b>	<b>Torch Fuel and Lamp Oil</b>
<b><i>Staff Contact</i></b>	White, Sharon
<b><i>Standard(s)</i></b>	ASTM Subcommittee F15.72 – (Under development)- <i>New Specification for Torch Fuel and Lamp Oil Packaging</i> (and other related standards)
<b><i>Purpose</i></b>	To develop a new ASTM safety standard to address the hazards to children associated with torch fuel, lamp oil, and their containers.
<b><i>Activities</i></b>	ASTM formally approved the constitution of the torch fuel and lamp oil subcommittee, F15.72, on September 17, 2015. The title is <i>Torch Fuels and Accessories</i> . The subcommittee is developing standards for the following: 1) the design and color of the packaging for torch fuel and lamp oil; 2) the color and odor of the torch fuel and lamp oil; and 3) the use and design of torch fuel and lamp oil fuel burning devices principally designed to contain these products. Before the reporting period, staff participated on several conference calls to provide injury data and technical support related to torch fuel and lamp oil. In addition, a container task group was formed and the first draft standard related to packaging was started. During the reporting period, staff attended and participated in a number of task group teleconferences, during which the task group reviewed and developed the draft standard. The task group drafted requirements for test methods, including chemical resistance and permeability, container opacity, and labeling requirements.
<b><i>Next Action</i></b>	Staff will participate in the next ASTM Torch Fuel and Lamp Oil task group and subcommittee meetings, as scheduled.
<b><i>Product</i></b>	<b>Toys</b>
<b><i>Staff Contact</i></b>	Massale, John
<b><i>Standard(s)</i></b>	<i>Standard Consumer Safety Specification for Toy Safety</i> (ASTM F963)
<b><i>Purpose</i></b>	To revise the ASTM standard to strengthen its safety provisions and to ensure that the federal standard and the ASTM standard are aligned.
<b><i>Activities</i></b>	Before and during the reporting period, several ballots have been issued and most have been resolved and are being held for the next revision of the standard. At the end of the reporting period, there were still a few ballot items outstanding. Staff participated in a teleconference with the workgroup on battery-operated toys on December 3, 2015, and attended the ASTM subcommittee meeting on toy safety on March 4, 2016.
<b><i>Next Action</i></b>	Staff will participate in future subcommittee and task group meetings.

<b><i>Product</i></b>	<b>Upholstered Furniture</b>
<b><i>Staff Contact</i></b>	Lock, Andrew
<b><i>Standard(s)</i></b>	<i>Standard Test Methods for Cigarette Ignition Resistance of Components of Upholstered Furniture (ASTM E1353)</i> <i>Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture (NFPA 260)</i>
<b><i>Purpose</i></b>	To revise the ASTM and NFPA standards to improve its efficacy and to work on the NFPA Fire Test Committee Open Flame Task Group.
<b><i>Activities</i></b>	<p>Staff participated in the NFPA 277 Upholstered Furniture Main Task Group teleconference held on October 1, 2015. During the meeting, the task group agreed on the following goal for NFPA 277: “Significantly reduce the number of deaths in residential dwelling fires where upholstered furniture is the major contributor to fire growth.” The task group met again on March 18, 2016. During the March meeting, the task group determined that more time is needed before submitting portions of the draft standard to the other task groups.</p> <p>Staff attended the NFPA Fire Test technical committee meeting on March 29, 2016. During this meeting staff proposed changes to NFPA 260 to improve the efficacy of that test. The committee voted to consider all of the proposed changes. The next meeting is tentatively scheduled for March 21, 2017.</p> <p>Also during the reporting period, staff attended ASTM E05 Committee meetings related to fire tests and flammability. Staff gave a presentation regarding work done on upholstered furniture during the ASTM E05 Research Review meeting. The same presentation was presented in the E05.23 subcommittee meeting. Staff requested that the committee consider some of the staff’s research in revising ASTM E1353.</p>
<b><i>Next Action</i></b>	CPSC staff will participate in future ASTM E05 Committee meetings and NFPA Fire Committee Test Task Group meetings and work toward standard revisions.

<b><i>Product</i></b>	<b>Vented Gas Heating Appliances (CO Sensors) (Formerly Furnaces)</b>
<b><i>Staff Contact</i></b>	Jordan, Ronald
<b><i>Standard(s)</i></b>	<i>Gas-Fired Central Furnaces (ANSI Z21.47)</i> <i>Gas-Fired Low Pressure Steam and Hot Water Boilers (ANSI Z21.13)</i> <i>Vented Gas-Fired Space Heating Appliances (ANSI Z21.86)</i>
<b><i>Purpose</i></b>	To revise the ANSI standards for vented gas heating appliances to include requirements to address carbon monoxide risks associated with failure modes, such as disconnected vents and partially blocked vents.

**Activities**

Staff participated in several ANSI Z21 meetings during the reporting period to advocate for its September 2015 standards proposal. The meetings included the following: October 26, 2015 – Z21/CSA Joint Technical Subcommittee on Standards for Gas-Fired Central Furnaces; October 27, 2015 Joint Technical Subcommittee of the CSA Technical Committee on Performance & Installation of Gas Burning Appliances & Related Accessories and the Z21/83 Technical Committee of Standards for Gas-Fired Appliances and Related Accessories; October 29, 2015 - Z21/CSA Joint Technical Subcommittee on Standards for Vented Gas Heaters and the Z21/CSA Joint Technical Subcommittee on Standards for Gas-Fired Low-Pressure Steam and Hot Water Boilers. During these meetings, a cross-functional working group was established (*i.e.*, the ANSI/CSA Cross-Functional Working Group on Carbon Monoxide Detector Sensors in Gas Appliances) with members from the furnace, boiler, and vented heater (wall and floor furnaces only) technical subcommittees. CPSC staff is participating in that working group and attended and participated in a meeting held on March 22, 2016. The purpose of the working group is to evaluate the feasibility of incorporating a sensing device into the combustion chamber, heat exchanger or flue passageways of vented gas heating appliances that can: (1) detect CO (directly or indirectly), and (2) initiate an appropriate automatic response to CO levels that exceed a specified threshold value. This evaluation will help establish the readiness of technologies necessary to implement staff’s September 2015 standards proposals.

**Next Action**

CPSC staff plans to participate in upcoming cross-functional working group meetings and other voluntary standards meetings of the Technical Committees for gas appliances and equipment (Z21/83) and the Technical Subcommittees for gas furnaces (Z21.47), gas boilers (Z21.13), and gas wall and floor furnaces (Z21.86).

**Product**

**Window Coverings (Blind Cords)**

**Staff Contact**

Balci-Sinha, Rana

**Standard(s)**

*Standard for Safety of Corded Window Covering Products* (ANSI/WCMA A100.1)

**Purpose**

To revise the standard to reduce strangulation hazards associated with window covering cords.

**Activities**

The last revision of *American National Standard for Safety of Corded Window Covering Products* (ANSI/WCMA A100.1) was approved on July 21, 2014. CPSC published an ANPR in January 2015. WCMA has not held any meetings during the current reporting period. Staff activities during the first half of FY2016 primarily pertain to the two contracts associated with the open rulemaking: (1) a technical feasibility and cost improvement analysis of currently available safer technologies for window coverings, and (2) a focus group study regarding installation, use, and maintenance of safety devices, primarily cord cleats and tension devices. On January 28, 2016, WCMA issued a pre-canvass survey for participation in the canvass ballot. WCMA intends to ballot an interim revision limited to addition of cleats to comply

with the Canadian standard (CAN/CSA-Z600-14 *Safety of corded window covering products*) paragraphs 3.05.5, 4.3A, and 5.2.11 and to add a “Safe for Kids” designation.

***Next Action***

Staff will participate in the next WCMA steering committee meeting, when scheduled, and will continue to provide technical assistance to WCMA. Staff will also be developing and preparing a briefing package for a NPR scheduled for early FY 2017.