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

Memorandum

This document has been electronically approved and signed.

Date: May 15, 2013

TO : The Commission

THROUGH: Todd A. Stevenson, Secretary
Stephanie Tsacoumis, General Counsel
Kenneth R. Hinson, Executive Director
Robert J. Howell, Deputy Executive Director, Safety Operations
J. DeWane Ray, Assistant Executive Director, Office of Hazard Identification and Reduction

FROM : Colin B. Church
Voluntary Standards Coordinator

SUBJECT : Voluntary Standards Activities FY 2013 Midyear Report

Attached is the U.S. Consumer Product Safety Commission staff's Voluntary Standards Activities FY 2013 Midyear Report (October 2012 – March 2013), which is forwarded for your information. If you have any questions, please call Colin Church at 301-504-7245.

ATTACHMENT:

Voluntary Standards Activities
10/1/12–3/31/13

SUMMARY

Fourteen new, revised, or reaffirmed voluntary safety standards, for which the U.S. Consumer Product Safety Commission (CPSC) staff monitored or provided technical support, were completed during the period from October 1, 2012 to March 31, 2013. These safety standards address: bassinets and cradles, bunk beds, bicycles (two standards), blind cords, booster seats, youth folding chairs, helmets (recreational – two standards), infant carriers (soft), infant swings, infant tubs, swimming pools and spas, and toys.

In total, from October 1, 2012 to March 31, 2013, CPSC staff provided technical support or monitored the development of 71 voluntary safety standards activities, which are described in the information that follows. During the reporting period, CPSC staff's involvement in voluntary standards focused on voluntary standards activities associated with implementing the Consumer Product Safety Improvement Act of 2008 (CPSIA) (Pub. L. 110-314). Voluntary standards development activities are handled primarily by three standards development/coordinating organizations: ASTM International (previously called the American Society for Testing and Materials), 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 recreational areas.

VOLUNTARY STANDARDS AND THE CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 (CPSIA)

CPSC staff worked with ASTM and its subcommittees 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 5 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.

ASTM subcommittees develop and maintain voluntary safety standards for durable infant and toddler products, as well as other products. They are comprised of consumers, 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 recommends that the Commission incorporate by reference the revised ASTM voluntary standards (together with more appropriate and more stringent safety provisions) 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

Below is the current Voluntary Standards Tracking and Access Report (V-STAR), which shows, among other things, the objective of the standard under development, the name of the employee leading each activity, and the status of the standard on 3/31/13. Information from CPSC staff is developed by the Office of Hazard Identification and Reduction to prepare this report. The report is issued at the middle and end of the CPSC fiscal year, which runs from October 1 to September 30. Below is the *V-STAR FY 2013 Midyear Report (October 2012 – March 2013).*

PUBLIC PARTICIPATION AND COMMENT

During the reporting period, CPSC staff continued to provide information on their voluntary standards activities. Draft CPSC staff recommendations on issues to be considered by voluntary standards organizations were placed on the CPSC's website (www.cpsc.gov) to allow the public to review and comment.

ONE STOP FOR VOLUNTARY CONSUMER PRODUCT SAFETY STANDARDS

Maintenance of the CPSC website continues to make it easier for users to find more extensive information on voluntary consumer product safety standards. Through the CPSC website, users are able to access the computer search engines of the three major standards organizations (ANSI, ASTM International, and UL) that handled almost all of the voluntary safety standards in which the CPSC staff is involved.

VOLUNTARY STANDARDS TRACKING AND ACCESS REPORT

CPSC STAFF VOLUNTARY STANDARDS ACTIVITIES

FY 2013 MIDYEAR REPORT
(October 2012– March 2013)

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

VOLUNTARY STANDARDS
TRACKING AND ACCESS REPORT

The U.S. Consumer Product Safety Commission (CPSC) staff works cooperatively with standards developers, consumers, industry, and other interested parties to develop consumer product safety voluntary standards. A description of these activities from October 1, 2012 through March 31, 2013, follows. The report contains, among other things, the objective of the standard under development, the name of the employee leading each activity, and the status of the standard's development.

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CPSC Staff Voluntary Standards Activities
FY 2013 Midyear Report
(October 2012 – March 2013)

Product	**Activity Centers, Stationary**
Staff Contact	Edwards, Patty
Purpose	To revise the ASTM International (ASTM) *Standard Consumer Safety Specification for Stationary Activity Centers* (ASTM F2012) to strengthen its safety provisions.
Activities	At a 10/24/12 meeting, the subcommittee considered new products called super seats. A super seat is a seat in which the child sits level and close to the floor. There is a tray for activities around him/her. A task group was formed and is proposing to add a definition and a stability test for such products. The latest version of the *Standard Consumer Safety Specification for Stationary Activity Centers* (ASTM F2012-12) was approved prior to the reporting period on 6/1/12.
Next Action	Continue to provide technical assistance to the subcommittee and participate in the next subcommittee meeting on 4/10/13.

Product	**Air Cleaners (Ozone Generation)**
Staff Contact	Thomas, Treye
Purpose	To review and provide technical assistance for the implementation and revision of the American National Standards Institute (ANSI)/Underwriters Laboratories Inc. (UL) *Standard for Electrostatic Air Cleaners* (ANSI/UL 867 Section 37) to improve consumer safety.
Activities	Exposure to ozone can affect the respiratory system, causing adverse health effects, such as throat irritation, pulmonary edema, and reduced lung function, with symptoms including coughing and shortness of breath. The U.S. Environmental Protection Agency updated criteria documents for the health effects of ozone and is proposing new, lower limits for ambient air concentrations. The testing requirements limit the ozone emitted from indoor air cleaning devices. The implementation of California testing requirements resulted in efforts to update the UL 867 standard. In 8/11, the state of California announced that changes were made in the certification program. The revisions were minor but were needed to improve the clarity of instructions and to modify the certification form to accommodate the addition of models to an existing certified air cleaner model group. The state of California continued a review of in-duct air cleaning systems that may produce ozone and planned to determine how the existing standard may be used to regulate

these devices. CPSC staff monitored the progress of the in-duct testing and provided input regarding the testing scheme. Staff continued to monitor the implementation of the ANSI/UL 867 standard.

Next Action Staff will continue to monitor California's implementation of the ANSI/UL 867 standard testing requirements and will make recommendations for additional revisions to the UL standard, as appropriate. Further, staff will review studies conducted by California on ozone generation within in-duct systems.

Product **Amusement Rides (Portable)**

Staff Contact Caton, Tom

Purpose To monitor and provide technical support to the development of new and revised standards developed and maintained by the ASTM F24 Committee on Amusement Rides and Devices.

Activities The scope of ASTM F24 activities includes: harmonizing terminology, building code requirements, latch requirements for child patrons, patron height measurement methods, special rides, and fencing requirements. CPSC staff reviewed ballots on standard practices for amusement ride terminology, design, manufacture, railways, water-related rides and devices, ownership and operation, and hydraulic systems. A quality assurance standard was being combined into a design of amusement rides and devices standard. The ASTM F24 Committee continued efforts on standard harmonization with Canadian standards, evaluating acceleration limits for every type of ride, coordinating terminology among the various amusement ride ASTM standards, and realigning standards to avoid conflicting requirements.

Next Action The next meeting is tentatively scheduled for 10/3-5/13. CPSC staff will continue to monitor ASTM F24 standard development activities and will make recommendations for revisions in the ASTM F24 standard, as appropriate.

Product **Architectural Glazing**

Staff Contact Baker, Brian

Purpose To improve the safety of glazing materials used in buildings by monitoring and providing technical support to the development of the American National Standards Institute (ANSI) *American National Standard for Safety Glazing Materials Used in Buildings – Safety Performance Specifications and Methods of Test* (ANSI Z97.12009*).*

Activities A petition (CP12-3) was received requesting the Commission institute rulemaking to amend 16 CFR part 1201, *Safety Standard for Architectural Glazing Materials,* to replace the testing procedures in section 1201.4 with the allegedly better testing protocol in the *American National Standard for Safety Glazing Materials Used in*

Buildings – Safety Performance Specifications and Methods of Test (ANSI Z97.12009). In 1/13, staff attended an ANSI Z97.1 meeting where potential amendments to ANSI Z97.1 standard were presented by committee members. Subsequent to the reporting period, on 4/9/13 the Commission granted the petition.

Next Action Staff will continue to provide technical support to ANZI Z97.1 standard development activities, as appropriate.

Product **Bassinets and Cradles**

Staff Contact Edwards, Patty

Purpose To revise the ASTM *Standard Consumer Safety Specification for Bassinets and Cradles* (ASTM F2194) to strengthen its safety provisions.

Activities The ASTM *Standard Consumer Safety Specification for Bassinets and Cradles* (ASTM F2194-12b) was approved on 10/1/12 and published in 12/12. This version contains the mattress flatness test as published in the Commission's Notice of Proposed Rulemaking (NPR). The only difference is the pass/fail criteria. The subcommittee met on 10/23/12 and reviewed the modifications proposed in the NPR. The removable bed bassinet requirement had several comments and suggested changes to be considered by the task group. Another subcommittee meeting was held 1/7/13. At this meeting, the task group chair for the removable bed stability requirement deferred till 4/13 for a draft of proposed language. New ballot items discussed were: (1) warnings clarification on font size and (2) a revision to the mattress flatness test to also perform the test without support rods, if the support rods are removable. Both ballots passed without any negative votes.

Next Action Staff will participate in the next ASTM subcommittee meeting on 4/8/13.

Product **Bath Seats**

Staff Contact Edwards, Patty

Purpose To revise the ASTM *Standard Consumer Safety Specification for Infant Bath Seats* (ASTM F1967) to eliminate or reduce the risk of infant drowning resulting from tipover incidents and the hazards associated with climbing out of infant bath seats.

Activities At the 10/23/12 subcommittee meeting, several new ballot items were discussed. One dealt with the stability requirement and the procedure for applying the anti-slip treads on the test platform. A second one dealt with requiring key components to be permanently attached. There were also a couple of minor ballot items. All but the key component ballot items passed. The ballot was redrafted and distributed in 3/13.

Next Action Staff will continue to provide technical assistance to the subcommittee and will

attend the next ASTM subcommittee meeting on 4/9/13.

Product **Batteries, Button Cell**

Staff Contact Lee, Doug

Purpose To provide technical support to 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.

Activities Staff provided technical support or monitored many standards activities, including those of: (1) the Institute of Electrical and Electronics Engineers (IEEE); *Standard for Rechargeable Batteries for Mobile Telephones* (IEEE 1725) and *Standard for Rechargeable Batteries for Multi-cell Computing* (IEEE 1625); (2) Underwriters Laboratories Inc. (UL) *Standard for Safety for Lithium Batteries* (UL 1642); (3) American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA) *Safety Standards for Primary, Secondary and Lithium Batteries* (ANSI/NEMA C18); (4) ASTM International (ASTM) *Standard Consumer Safety Specification for Toy Safety* (ASTM F963); (5) UL *Standard for Household and Commercial Batteries* (UL 2054); (6) UL *Standard for Audio, Video, and Similar Electronic Apparatus–Safety Requirements* (UL 60065); and the UL proposed first edition of the *Standard for Products Incorporating Button Cell Batteries of Lithium or Similar Technologies* (UL 4200A).

As part of the Consumer Product Safety Improvement Act (CPSIA) Section 106 activities, CPSC staff worked with industry to address battery hazards in toys and to revise the ASTM F963 toy standard. Staff participated in an ASTM task group teleconference on 12/19/12, to refine further draft requirements for high energy batteries (fire), sealed compartments (explosion), and button/coin cells (ingestion). Staff worked with the task group to revise the draft requirements for re-balloting.

CPSC staff continued to participate in ANSI/NEMA C18 meetings on 10/12/12 and 2/19–20/13). These meetings focused on fire and button/coin cell ingestion hazards, potential requirements, and certification of batteries used in toys. The ANSI/NEMA task group is also working to harmonize requirements with other standards which deal with warning labels, icons, and packaging of batteries to reduce ingestion hazards.

On 1/18/13, staff provided comments to the UL 60065 Standard Technical Panel (STP) on proposed preliminary requirements for battery ingestion hazard requirements for coin cells used with lightweight consumer products such as 3D glasses.

Next Action Continue to participate in ASTM task groups to complete balloting of requirements to address hazards with batteries in toys. Work with UL, the Consumer Electronics

Association (CEA), ASTM, NEMA and other standards groups to draft and harmonize requirements to eliminate or reduce ingestion hazards associated with button/coin cell batteries.

Product **Bed Rails**

Staff Contact McCallion, Rick

Purpose To revise the ASTM *Standard Consumer Safety Specification for Portable Bed Rails* (ASTM F2085) to strengthen its safety provisions. In addition, to monitor, and to the extent appropriate, provide technical assistance to the standard development activities addressing adult bed rail hazards.

Activities The current version of the ASTM *Standard Consumer Safety Specification for Portable Bed Rails* (ASTM F2085-12) was approved prior to the reporting period on 1/1/12. It is focused on children's bedrail safety. During the reporting period, CPSC staff and FDA staff were in the process of initiating a voluntary standard activity to address portable bed rails that are not currently covered in ASTM F2085 standard. The intent of the standard would be to address all bed rails, handles and other similar equipment used by children over the age of 12 and by adults. This standard would be applicable for all portable bed rails that are not designed as a part of the bed system and for consumer use.

Next Action CPSC staff and FDA staff will continue together to explore participating in the development of a new voluntary national consensus safety standard for portable bed rails [adult bed rails] that are not included in the ASTM F2085 standard.

Product **Beds, Bunk**

Staff Contact Smith, Tim

Purpose To revise the ASTM *Standard Consumer Safety Specification for Bunk Beds* (ASTM F1427), as necessary, to address hazards associated with bunk beds.

Activities A revised ASTM *Standard Consumer Safety Specification for Bunk Beds* (ASTM F1427-13) was approved 3/1/13. Publication of the standard was anticipated in 4/13. On 10/23/12, CPSC staff participated in a meeting of the ASTM F15.30 bunk bed subcommittee to discuss the negative votes and other comments received on the most recent (8/14/12) balloted revisions to the ASTM *Standard Consumer Safety Specification for Bunk Beds* (ASTM F1427-07). The draft revised standard addressed head and neck entrapment in the spaces created by side structures, including ladders on bunk beds. The subcommittee identified several editorial changes, but all negative votes received on the ballot either were declared not persuasive or were withdrawn by those who filed them.

On 11/21/12, ASTM issued a ballot to the main ASTM F15 committee that included the subcommittee's rationales for all negative votes that were declared not persuasive, with a closing date of 12/21/12. The main committee ballot and ASTM Society Review were successful. A ballot summary was submitted to the ASTM Committee on Standards (COS) for review in 2/13, and the revised standard was approved on 3/1/13.

Next Action Participate in the next ASTM bunk bed subcommittee meeting scheduled on 4/9/13.

Product **Beds, Toddler**

Staff Contact Celestine Kiss

Purpose To revise the ASTM *Standard Consumer Safety Specification for Toddler Beds* (ASTM F1821) to harmonize with the Code of Federal Regulations (CFR) 16 CFR Part 1217.

Activities The task group held a teleconference on 12/10/12 to discuss the negative votes received on the 7/12 ballot, however, the people who submitted the negative votes were unable to participate. The meeting was adjourned with the intent to schedule a future teleconference.

Next Action Staff will continue to provide technical assistance to the subcommittee and participate in a subcommittee meeting on 04/11/13.

Product **Bedside Sleepers**

Staff Contact Lee, Doug

Purpose To develop a new ASTM *Standard Consumer Safety Specification for Bedside Sleepers* to address various hazards associated with these products.

Activities Staff participated in the ASTM subcommittee meeting on 10/23/12 to review comments on the balloted requirements for fabric-sided enclosed openings and misassembly requirements for bedside sleeper accessories on play yard bases. Staff also participated in task group meetings on 12/12/12, 1/3/13, and 3/20/13 to revise wording for these requirements by adding specific language for bedside sleeper accessories on play yard bases and removing the references to the requirements in other standards. Staff also participated in the ASTM subcommittee meeting on 1/7/13 which reconfirmed the subcommittee's intent to add specific language in ASTM *Standard Consumer Safety Specification for Bedside Sleepers* (ASTM F2906-12) to eliminate ambiguities in testing requirements.

Next Action Staff will continue to provide technical assistance to the subcommittee task groups and participate in the ASTM subcommittee meeting on 4/8/13.

Product	**Bicycles**
Staff Contact	Amodeo, Vincent
Purpose	To develop new or revised ASTM safety standards to reduce or eliminate hazards associated with bicycles and bicycle components.
Activities	Two national consensus bicycle safety standards were reapproved on 11/1/12. They were the ASTM *Test Method for Bicycle Frames* (ASTM F2711-08 (2012)) and the ASTM *Specification and Test Method for Rear-Mounted Bicycle Child Carriers* (ASTM F1625-00 (2012)).
Next Action	Staff will participate in the ASTM subcommittee meeting in 5/13.

Product	**Blind Cords (Window Coverings)**
Staff Contact	Balci-Sinha, Rana
Purpose	To revise the American National Standards Institute (ANSI)/Window Covering Manufacturers Association (WCMA) *Standard for Safety of Corded Window Covering Products* (ANSI/WCMA A100.1) to reduce strangulation hazards associated with window covering cords.
Activities	A revised ANSI/WCMA *National Standard for Safety of Corded Window Covering Products* (ANSI/WCMA A100.1-2012) was approved on 11/30/12. Updates to the standard included: (1) requirements for durability and performance testing of the tension/hold down devices, including new requirements for anchoring; (2) specific installation instructions and warnings; (3) new requirements for products that rely on "wide lift bands" to raise and lower window coverings; (4) requirements for a warning label and pictograms on the outside of stock packaging and merchandising materials for corded products, and; (5) expanded testing requirements for cord accessibility, hazardous loop testing, Roll Up style shade performance, and durability testing of all safety devices. Remaining hazards to be addressed are those associated with operating cords and looped cords.
Next Action	Participate in the next WCMA steering committee meeting when scheduled and continue to provide technical assistance.

Product	**Booster Seats**
Staff Contact	Kiss, Celestine
Purpose	To assist in the revision of the ASTM *Standard Consumer Safety Specification for*

Booster Seats (ASTM F2640) to reduce hazards associated with booster seats.

Activities A revised ASTM *Standard Consumer Safety Specification for Booster Seats* (ASTM F2640-12) was approved on 11/1/12. At the 10/26/12 meeting, the subcommittee discussed the results of the most recent ballot item about the test method involving a shot bag and made minor revisions based on the comments. The hook-on chairs group needed to have a task group formed to review incidents. The most recent data showed some submarining incidents that should be considered.

Next Action Staff will participate in an ASTM subcommittee meeting on 4/10/13.

Product **Building Materials and Furnishings**

Staff Contact Carlson, Kent

Purpose To provide technical assistance in the development of a new ANSI standard for volatile organic carbon (VOC) chemical emissions from building products and furnishings in order to reduce the chronic hazards associated with the inhalation of volatile chemicals.

Activities Staff is participating in two task groups: the Toxicology Task Group and the Environments and Products Task Group. The Toxicology Task Group is drafting proposal language covering chemicals, authoritative bodies of information, cancer and non-cancer endpoints, and other details. CPSC staff is drafting a section of the proposal involving the selection of cancer endpoints. The Environments and Products Task Group is drafting proposal language covering modeling scenarios, modeling factors, analytical methods, and other details. CPSC staff will review written sections of the multiple modeling group's proposal as they are written.

Next Action Staff will assist in the development of a list of VOC chemicals and associated toxicology. Staff will also review and assist in the development of VOC modeling scenarios and methods.

Product **Candles**

Staff Contact Ayers, Scott

Purpose To revise the ASTM *Standard Specification for Fire Safety for Candles* (ASTM F2417) and the ASTM *Standard Specification for Fire Safety for Candle Accessories* (ASTM F2601) to strengthen their safety provisions.

Activities The current edition of the ASTM *Standard Guide for Terminology Relating to Candles and Associated Accessory Items* (ASTM F1972-05e1) was editorially updated. The subcommittee reviewed comments made to the ASTM *Standard Specification for Fire Safety for Candle Accessories* (ASTM F2601-12) and the *Standard Specification for Fire Safety for Candles* (ASTM F2417-11). It found the

comments not persuasive. The issue of the flammability of plastic containers came up. Testing results suggested a link between scented tea lights and decreased performance of the flammability of plastic over time. Additionally, there were discussions on how to handle the deformation of plastic during performance testing. Finally, discussions regarding the ASTM *Standard Specification for Fire Safety for Candle Accessories* (ASTM F2601-12) included how to address candle "toppers" and candle "shades" as well as how to remove some of the ambiguity within the scope of the standard. The timing of the teleconferences to discuss recalls has changed from every month to every other month or every third month, depending on circumstances.

Next Action Continue to participate in ASTM subcommittee teleconferences and participate in future subcommittee meetings in 7/13 and 9/13.

Product **Chairs, High**

Staff Contact Marques, Stephanie

Purpose To revise the ASTM *Standard Consumer Safety Specification for High Chairs* (ASTM F404) to strengthen its safety provisions dealing with entrapment and falls.

Activities Staff attended the 10/4/12 ASTM F15.16 subcommittee meeting. The subcommittee chairman listed the following as the main hazards associated with these products: falls from above the seating/tray surface, screws and fasteners loosening, and protrusions. Task groups were formed to address each of the main hazards, with the intention of discussing the hazards and reporting back to the subcommittee at the next meeting on 4/11/13.

Next Action Staff will continue to provide technical assistance to the subcommittee and participate in the next ASTM subcommittee meeting on 4/11/13. At the next subcommittee meeting, staff will present the results of its analysis of incident data. Additionally, staff will identify which hazard scenarios found in CPSC incident reports are or are not adequately addressed in the ASTM F404 standard.

Product **Chairs, Youth (Folding)**

Staff Contact Carlson, Kent

Purpose To revise the ASTM *Standard Consumer Safety Specification for Children's Folding Chairs* (ASTM F2613) to reduce the hazards associated with these products.

Activities A revised ASTM *Standard Consumer Safety Specification for Children's Folding Chairs* (ASTM F2613-12) was approved on 12/01/12. At the 10/12 meeting, the subcommittee revised the stability test and expanded the scope of the standard. The group title will be "Children's Chairs and Stools" after being balloted and negatives

cleared. The current scope includes chairs < 15” in height. The Scope Task Group worked to clarify what products should be included in the expanded standard.

Next Action Staff will participate in the next subcommittee meeting on 4/11/13.

Product **Changing Tables**

Staff Contact Kiss, Celestine

Purpose To revise the ASTM *Standard Consumer Product Safety Specification for Baby Changing Tables for Domestic Use* (ASTM F2388) to strengthen its safety provisions.

Activities At the 10/22/12 meeting, the subcommittee discussed crib accessories that are designed to span the crib rails. Concerns about head entrapment and misuse were expressed and language was slated to be drafted to prevent such hazards. Few products are available on the market but the subcommittee wanted to cover all the hazards and not wait for an incident to occur. The alternate changing surface task group decided that regular dressers with an additional contoured pad should not be covered by the standard and proposed an additional section to the scope of the standard to prevent this. The subcommittee suggested that a warning label was required to prevent misuse of flat changers without pads sold with the unit. Another task group evaluated how to test contoured changing pads intended to be mounted to any surface. They recommended clarifying the intent of the standard.

At the 1/8/13 meeting, the subcommittee discussed task group work on stationary accessories that rest on the rails of a crib. Although few products exist, the hazards are known from experience with play yards. How to handle misassembled units was debated and sent back to the task group for more work. Barrier requirements for tables intended for orthogonal use were proposed to allow the foot end, closest to the adult user, to not require a barrier. The task group examining contoured pads on dressers reported that dressers are not really subject to the standard without a contoured pad, so language needed to be formulated to exempt them from the standard. A proposal was made to amend the barrier requirement to be 160 mm minimum, based on an analysis of the NEISS data presented by John Trinci, Consumer Product Safety Advice Limited, Berkshire, UK.

Next Action A task group will examine the data and consider the proposal to amend the barrier requirement at the next meeting. Staff will participate in the next subcommittee meeting on 4/11/13.

Product	**Child-Resistant Packaging (CRP)**
Staff Contact	Rea, Gregory K.
Purpose	To monitor activities of the ASTM Subcommittee D10.32 on Consumer, Pharmaceutical, Child-Resistant and Medical Packaging and provide the subcommittee with technical support, including updates on any applicable CPSC relevant activities.
Activities	The ASTM *Standard Test Methods for Measuring Water Vapor Transmission Rate (WVTR) of Pharmaceutical Bottles and* Blisters (D7709-12) was reapproved several months prior to the reporting period on 5/1/12. The purpose of these test methods is to obtain reliable values for WVTR that can be used to discriminate among barrier packages for pharmaceutical products. These test methods will establish a WVTR value that represents the water vapor transmission of the container closure system being evaluated. While these methods were developed for a specific, limited application, they should be suitable for most types and sizes of consumer packages. There was no standard development activity during the reporting period.
Next Action	Staff will participate in the next subcommittee meeting in 10/13.

Product	**CO Alarms**
Staff Contact	Brookman, Matt
Purpose	To monitor activities of the Underwriters Laboratories Inc. (UL), Standard Technical Panel (STP) for the UL *Standard of Safety for Single and Multipole Station Carbon Monoxide Alarms* (UL 2034) and provide the STP with technical support, including updates on any applicable CPSC activities.
Activities	Prior to the reporting period, CPSC staff conducted CO alarm tests on a limited number of performance requirements contained in UL 2034. Staff was aware of concerns regarding whether the appendices in UL 2034 concerning post certification testing should be included as requirements in the text of the standard. There was no voluntary standards development activity with CO alarms during the reporting period.
Next Action	Staff will continue to monitor the post-certification test issues, make recommendations to the STP based on pending CPSC test results, and provide a copy of the test report to the STP.

Product	**Constant-Air Inflatable Play Devices for Home Use (*e.g.*, Noncommercial "Bounce Houses" and Inflatable Slides)**
Staff Contact	Nesteruk, Hope
Purpose	To revise the ASTM *Standard Consumer Safety Performance Specification for Constant-Air Inflatable Play Devices for Home Use* (ASTM F2729-12)
Activities	Staff monitored the activities of the ASTM Constant-Air Inflatable Play Devices for Home Use Subcommittee F15.61. This subcommittee maintains the new ASTM *Consumer Safety Performance Specification for Constant-Air Inflatable Play Devices for Home Use* (ASTM F2729-12), which was approved on 9/1/12, just prior to the reporting period. The subcommittee planned to address possible revision of the standard to enhance its safety provisions and met in 11/12. Staff did not attend the meeting, and minutes of the meeting were not yet posted as of the time of publication of this report.
Next Action	Participate in ASTM F15.61 subcommittee meeting in 05/13.

Product	**Cooktops**
Staff Contact	Trotta, Andrew
Purpose	To revise the UL *Household Electric Ranges* (UL 858) safety standard and the *Household Cooking Gas Appliances* (ANSI Z21.1) safety standard to include requirements to prevent ignition of cooking materials on cooktops.
Activities	In 8/12, CPSC released a report entitled, *Pan Temperature-Limiting Control Technology to Reduce Incidence of Cooking Fires*, on work that was sponsored to further the development of pan-contact temperature-limiting controls for gas, coil-electric and smoothtop cooktop electric ranges. The systems limited the pan temperature to 700 F (370 C) as a threshold to prevent ignition of cooking materials. The systems exhibited minimal impact on high heat normal cooking like searing steak and chicken and boiling water. As a follow-up, staff pursued options to conduct validation testing of the fire-prevention capabilities of the three prototype range control systems, including engaging stakeholders in discussions of potential opportunities to cooperate on validation testing and plans for moving forward on standards' revisions. Staff participated on a steering committee for a Fire Protection Research Foundation (FPRF) contract to develop standardized testing criteria for evaluation of range fire prevention technologies. The work is being funded by the National Institute for Standards and Technology (NIST), and the contract is with Hughes Associates. Testing is to begin in 4/13.
Next Action	Staff will contract for follow-up testing to validate fire-prevention capabilities of ranges with developmental controls, continue support of the FPRF study on

standardized criteria, maintain discussions with industry stakeholders, and provide technical support to revision of the applicable voluntary standards, as appropriate.

Product **Cookers, Pressure**

Staff Contact Khanna, Rohit

Purpose To monitor activities of the Underwriters Laboratories 136 Standard Technical Panel (STP) on *Standard of Safety for Pressure Cookers* (UL 136) and provide the STP with technical support, including updates on any applicable CPSC activities.

Activities The UL 136 STP, which maintains the UL 136 standard, was inactive during the reporting period and did not plan further standard development activities. During the CPSC FY 2013 midyear review, this activity was cancelled due to lack of present or planned activity.

Next Action None

Product **Cribs (Commercial)**

Staff Contact Edwards, Patty

Purpose To develop safety requirements for a new ASTM safety standard for cribs in commercial settings, such as hotels and day care centers.

Activities At a 10/22/12 subcommittee meeting, ballot results were reviewed. There were several negative items that needed to be balloted again. Another meeting was held on 1/7/13. The ballot results were reviewed and most of the comments were editorial. New business was discussed that dealt with mesh sided products and if they should be included in the scope. Also, the change from day care to child care was discussed. It was put on the memory sheet for future discussion.

Next Action CPSC staff will participate and continue to provide technical assistance at the 4/8/13 subcommittee meeting.

Product **Cribs (Full-Size)**

Staff Contact Edwards, Patty

Purpose To revise the ASTM *Standard Consumer Safety Specification for Full-Size Cribs* (ASTM F1169) to reduce the hazards associated with these products.

Activities On 10/22/12, the ASTM F15.18 subcommittee met and discussed an interpretation issue in the standard dealing with slat spacing and slat strength. During the slat strength testing, one slat is allowed to break. But, if it breaks and falls out, the space

it leaves behind will no longer meet the slat spacing requirement. This was not the intent of the testing requirements, thus a clarification to this requirement will be sent out to ballot.

Next Action Staff will continue to provide technical assistance to the subcommittee and participate in the next meeting on 4/8/13.

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

Staff Contact Edwards, Patty

Purpose To revise the ASTM *Standard Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards* (ASTM F406) to reduce the hazards associated with these products.

Activities The ASTM F15.18 subcommittee reviewed the ballot results dealing with misassembly of bassinet attachments to play yards. There were several comments and negatives. It was decided that the best way to proceed was to separate out the two issues (the attachments to the play yard and the support rods under the mattress). A new ballot was developed with the former issue balloted under the ASTM F406 standard and the latter issue balloted under the ASTM F2194 standard. The ballots passed without any negative votes.

Next Action CPSC staff will continue to provide technical assistance to the subcommittee, participate in task group activities, and participate in the subcommittee meeting on 4/8/13.

Product **Dryers, Clothes**

Staff Contact Lee, Arthur

Purpose The purpose of this standard development activity is to provide technical support to two standard development projects. The first project investigates the utility and applicability of using indicators (visual or audible) on electric and gas clothes dryers to inform the user of abnormal operation or desired maintenance. The second project explores the possibility of proposing a performance test for the UL *Electric Clothes Dryers* (UL 2158) standard, to reduce the possibility of fires occurring outside the dryer tumbler.

Activities For the first project, CPSC staff completed a project report that classifies those conditions for which an indicator would be desirable, possible implementation of such, and initial customer requirements for indicators. The Underwriters Laboratories Standard Technical Panel for clothes dryers created a working group to further study the issue.

For the second project, CPSC staff contacted: (1) the UL principle engineer, (2) the

UL Standards Technical Panel (STP) chair for the UL 2158 standard, and (c) the National Fire Protection Association, regarding this topic. Students from Worchester Polytechnic Institute (WPI) conducted a project, which included data collection and analysis, examination of dryer hardware, research on materials and techniques as well as potential draft test development. CPSC staff contacted representatives from the Environmental Protection Agency and the U. S. Department of Energy regarding the development of an Energy Star Clothes Dryer Specification.

Next Action For the first project, CPSC staff will participate in a UL working group evaluating clothes dryer indicators. For the second project, CPSC staff will provide technical support to the UL 2158 STP and to the development of the EPA/DOE clothes dryer specification, as appropriate.

Product **Drywall**

Staff Contact Khanna, Rik

Purpose To establish new requirements in appropriate drywall standards to reduce sulfur gas emissions that can cause corrosion and to establish new requirements for tracking drywall.

Activities Prior to the reporting period, the ASTM *Standard Specification for Sampling, Inspection, Rejection, Certification, Packaging, Marking, Shipping, Handling, and Storage of Gypsum Panel Products* (ASTM C1264-11) was approved on 11/1/11. The standard includes requirements for gypsum board labeling to include manufacturer name, date of manufacture and country of origin.

CPSC staff submitted a proposal to the ASTM C11 committee in response to the direction of the "Drywall Safety Act of 2012" (H.R. 4212) which mandates the creation of a test method that would evaluate and set limits for the (elemental) sulfur content of drywall. ASTM published a ballot to include the CPSC staff proposal in appropriate drywall standards. The ballot period will close on 4/1/13.

Next Action CPSC staff will monitor progress of the ballot, provide technical support to ASTM C11 committee, and attend the next meeting in 5/13.

Product **Fireplaces, Glass Front**

Staff Contact Jordan, Ronald

Purpose To provide technical support to the development of protective barrier requirements for vented and unvented gas fireplaces in the following voluntary standards: *Standard for Vented Gas Fireplaces* (ANSI Z21.50), *Standard for Vented Gas Fireplace Heaters* (ANSI Z21.88), and the *Standard for Gas-Fired Room Heaters, Volume II, Unvented Room Heaters* (ANSI Z21.11.2).

Activities

The protective barrier requirements for vented gas fireplace heaters are set forth in the ANSI Z21.88 standard. Protective barrier requirements for vented gas fireplaces are set forth in the ANSI Z21.50 standard. These standards were published in 1/13 and 3/13, respectively. ANSI approval occurred prior to the reporting period in 7/12 for both standards. The revised standards include new protective barrier requirements. The revised standards are designated as the *Standard for Vented Gas Fireplace Heaters* (ANSI Z21.88a-2012/CSA 2.33a-2012, Addenda to the Fifth Edition of ANSI Z21.88-2009 • CSA 2.33-2009), and as the ANSI *Standard for Vented Gas Fireplaces* (ANSI Z21.50-2012/CSA 2.22-2012).

The Z21/CSA Unvented Gas-Fired Heating Appliances Technical Advisory Group (TAG) met prior to the reporting period on 6/15/12, to discuss proposed changes to the ANSI Z21.11.2 standard, including CPSC staff's proposal to add protective barrier requirements for the glass fronts of unvented gas fireplaces. The TAG opted to wait until development of a protective barrier standard was completed for vented gas fireplaces before taking action. Now that the protective barrier requirements have been developed and published for vented gas fireplaces and vented gas fireplace heaters, the Z21 TAG will consider adopting the coverage for unvented decorative gas fireplaces and unvented gas fireplace heaters maintained by the ANSI Z21.11.2 group.

Next Action

Staff will continue to provide technical support to the TAG, as it explores protective barrier coverage for unvented gas fireplaces. Staff will also continue to monitor any new developments related to protective barrier requirements and any changes to the effective dates of the new provisions.

Product

Fireworks

Purpose

To provide technical support to the American Fireworks Standards Committee's development of safety standards for consumer fireworks.

Staff Contact

Musto, Christopher

Activities

CPSC staff continued to work with the American Fireworks Standards Laboratory (AFSL), and to monitor its standards development activities. Consideration was given to the usefulness of AFSL's new "Black Powder Equivalency Test." Also, CPSC staff considered alternative methods to test the overall pressure emitted when an aerial device functions.

Next Action

Staff will continue to monitor AFSL's activities related to consumer fireworks safety and standards.

Product	**Fuel Tanks (Leakage)**
Staff Contact	Lim, Han
Purpose	To revise the ANSI/Outdoor Power Equipment Industry (OPEI) *Standard for Small Off-Road Ground-Supported Outdoor Power Equipment Gasoline Fuel Systems Performance Specifications and Test Procedures* (ANSI/OPEI B71.10-2008), as appropriate, to improve safety.
Activities	This standard addresses fire hazards associated with fuel leakage from fuel tanks and fuel lines on gasoline-driven ground-supported outdoor power equipment with engine displacements under 1 liter, such as walk-behind lawn mowers, ride-on mowers, snow throwers, snow blowers, and rototillers. A CPSC staff representative maintained a nonvoting membership on the ANSI canvass list, whose members review draft safety standards for these products. There was a call for comments for the next revision of the standard that is currently designated ANSI/OPEI B71.10-201x. In a letter to OPEI, prior to the reporting period in 8/12, CPSC staff commented on several issues that currently are not addressed in the standard. These issues included the following: (a) inclusion of a vibration/bending moment endurance test; (b) inclusion of an impact resistance test; and (c) inclusion of a high- and low-temperature cyclic test. Several ballot comments were received from committee members that required resolution. In 2/13, OPEI revised the draft B71.10 – 201x standard and issued another ballot. This ballot did not include any of the suggestions from CPSC staff. In 3/13, CPSC staff sent OPEI another letter reinforcing several testing issues listed above and some procedural issues that were not addressed.
Next Action	Staff will continue to monitor and provide technical support to activities related to the OPEI B71.10-201x standard and its revision.
Product	**Furnaces (Vented Gas Appliances - CO Sensors)**
Staff Contact	Jordan, Ronald
Purpose	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. The ANSI standards include: *Gas-Fired Central Furnaces* (ANSI Z21.47) and ANSI *Gas-Fired Low Pressure Steam* and *Hot Water Boilers* (ANSI Z21.13).
Activities	CPSC staff completed and posted the following two reports on the CPSC Research Reports website for a 45-day public review and comment period: *"Evaluation of the Durability and Longevity of Chemical Sensors Used In—Situ for Carbon Monoxide Safety Shutoff of Gas Furnaces"* and *"Updated Review of In-Depth Investigations Associated with Carbon Monoxide Poisoning and "Modern" Gas Furnaces and Boilers."* Links to the two reports were shared with the Z21/83 Technical Committee on Performance and Installation of Gas Burning Appliances and Related

Accessories, as well as its subordinate Technical Advisory Groups (TAGs) for gas furnaces, Z21.47 TAG, and gas boilers, Z21.13 TAG.

Next Action Staff will review comments on the two research reports, the Z21.47 furnace TAG and the Z21.13 boiler TAG. Staff will continue to monitor and participate in voluntary standards activities associated with gas furnaces/boilers and other vented gas heating appliances. Staff will continue also to explore existing and new technological solutions to address the remaining carbon monoxide risks associated with these products.

Product **Garage Door/Gate Operators**

Staff Contact Murphy, John

Purpose To monitor standard development activities related to the UL *Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems* (UL 325) to reduce hazards associated with entrapment under residential garage doors, which can result in death.

Activities On 11/16/12, a review of the UL *Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems* (UL 325-12) was started. This standard includes provisions for both electric eyes and door edge sensors that are used as primary and secondary sensors on gate operators. A proposed revision of the standard was circulated on 3/5/13.

Next Action Staff plans to provide comments on any proposed revision of the standard, as appropriate.

Product **Gasoline Containers**

Staff Contact Murphy, John

Purpose To monitor and provide technical assistance as appropriate to voluntary standard development activities related to the ASTM *Standard Specification for Determination of Child Resistance of Portable Fuel Containers for Consumer Use* (ASTM F2517-09) and the ASTM *Standard Specification for Portable Gasoline Containers for Consumer Use* (F852-08) to eliminate or reduce the fire and poisoning hazards associated with these products.

Activities There was no known significant voluntary standards development activity during the reporting period. Just prior to the beginning of the reporting period, the task group on flame arrestors held a conference call on 9/18/12, to discuss the Flame Arrestor Study status. Anticipated testing of flame arrestor designs was discussed.

Next Action The task group on flame arrestors will propose additional testing at the next conference call meeting with a date and time still to be determined.

Product	**Generators (Portable)**
Staff Contact	Buyer, Janet
Purpose	To develop a national consensus safety standard to reduce carbon monoxide (CO) deaths and serious injuries associated with portable generators.
Activities	Prior to the reporting period, a revised first edition of the UL *Standard for Portable Engine Generator Assemblies* (UL 2201) was issued. An attempt by UL failed to get the consensus necessary to make this UL standard a national consensus standard using procedures of the American National Standards Institute (ANSI). The UL standard does not address carbon monoxide poisoning, which is the most serious hazard associated with portable generators as it causes the most deaths. Staff requested that UL and the Portable Generator Manufacturers Association (PGMA) work together to develop portable generator safety standards. On 2/3/13, staff attended PGMA's presentation of portable generator safety information at the annual meeting of the National Association of Regulatory Utility Commissioners (NARUC). PGMA requested NARUC members to make PGMA's draft safety information available on their websites once PGMA releases it.
Next Action	Staff will continue to focus on reducing CO poisoning associated with portable generators. Staff will monitor/participate in activities to develop increased portable generator safety, especially activities related to CO poisoning reduction. Staff plans to provide technical support to the further development of the UL 2201 safety standard, and if appropriate, staff will monitor/participate in ANSI/PGMA portable generator standards activities. The UL 2201 STP has tentatively scheduled a meeting on 5/23/13. Staff will attend and give an update on CPSC activities related to portable generators.
Product	**Heaters, Portable Electric**
Staff Contact	Gill, Mark
Purpose	To reduce the risks of electric shock and fire associated with portable electric heaters through amendment of the UL *Movable and Wall- or Ceiling-Hung Electric Room Heaters* (UL 1278) standard.
Activities	CPSC staff reviewed possible safety requirements from Underwriters Laboratories Standards Technical Panel (STP) 1042, which maintains the UL *Movable and Wall- or Ceiling-Hung Electric Room Heaters* (UL 1278) standard. In addition, the staff reviewed the CPSC database reports on injuries associated with portable electric heaters. CPSC staff submitted a proposal to amend the UL 1278 standard in order to require manual-reset temperature limiting controls in most residential applications. The proposal was discussed at the 2/25/13 STP meeting, where the panel agreed to move the proposal to balloting.

Next Action Monitor UL balloting and respond to comments received from the balloting process.

Product **Helmets (Recreational)**

Staff Contact Hall, Ian

Purpose To revise the ASTM *Standard Specification for Helmets Used in Recreational Bicycling or Roller Skating* (ASTM F1447) to improve consumer safety.

Activities A revised ASTM *Standard Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear* (ASTM F1446-12) was approved on 11/15/12. A revised ASTM *Standard Specification for Headforms* (ASTM F2220-12) was approved on 11/1/12. This revision provided test method clarity. The headgear committee was in the process of balloting a change to the ASTM *Standard Specification for Helmets Used in Recreational Bicycling or Roller Skating* (ASTM F1447-12). In the ballot, the committee proposed to add a low-speed impact on a flat anvil with a 100g acceleration threshold. The intent was to reduce or eliminate overly-stiff energy-absorbing helmet foams. In addition, various recreational helmet standards were up for revision or reaffirmation.

Next Action CPSC staff will monitor the proposed revisions to the ASTM F1446 headgear test method standard and the ASTM F1447 bicycle helmet standard. In addition, staff will participate in the next ASTM subcommittee meeting in 5/13, and will continue to provide technical support for updating the ASTM F1446-12, ASTM F1447-12, and ASTM F2220-12 standards.

Product **Inclined Sleep Products (Infant Hammocks)**

Staff Contact Kiss, Celestine

Purpose To develop a new ASTM safety standard and test methods for products intended to provide inclined sleeping surfaces for infants.

Activities The ASTM F15.17 subcommittee met on 10/23/12 and discussed the developmental milestones that are appropriate for children using these products. Specifically, the warning label advises consumers to stop using the product when a child can push up on hands and knees. However, children use these products when on their backs, therefore rolling over is the more accurate milestone to observe. A task group was formed to vet all inclined sleep products and warnings.

It was decided to remove testing calculations for side containment and instead use a straight side height measurement of 6.5 inches. Restraint exclusion was recommended to be included in the side containment section. There was also a

discussion about end containment and whether it is needed or not. It was decided to keep end containment requirements in the draft standard. The side containment angle was changed from 20° to 30°.

On 12/19/12, a task group conference call was held. The group was okay with "napper accessory" being added to the scope of the standard. A minimum side height of 3.5 inches was added. There was discussion about changing the end containment 35° from horizontal to 25°, but the group decided to leave it at 35°.

There was discussion of Nap Nanny going out of business and whether the standard should remove the requirements that had been added for low to the ground products. It was decided that this should be discussed at the next ASTM meeting At the 1/8/13 ASTM meeting, a draft standard was discussed and it was decided to add a new "play yard newborn accessory" category. The subcommittee wanted to restrict the size of the product so that it is only used by newborns up to 3 months of age. One of the members was going to provide more information about the size later. The items discussed at the 12/19/12 conference call were presented to the subcommittee. More work needed to be done on the warning labels so the task group decided to meet again. It also was decided to have another teleconference with the task group to address containment requirements and scope.

On 2/12/13 the task group discussed marking directly on newborn accessory products so consumers know when to stop using that product rather than provide consumers with a measurement they have to watch for in their child's growth. A justification was added to the rationale for the newborn accessory seat back bight based on the 95% three month old baby. The warning label was changed to say "Stop using …," instead of "Do not use…." At a 2/19/13 task group conference call, discussion continued on children's developmental milestones for warning labels. Using "rolling over" as the milestone, a new warning label will be created and presented at the 4/13 ASTM subcommittee meeting. A warning label for newborn accessories will also be presented. Low to the ground products will not be removed from the draft standard, but the side containment exemption will be removed. The inclined sleeper products will need to meet side height requirements. If a restraint is provided, the warning label will indicate it must be used.

At a 3/21/13 task group conference call, the task group discussed including newborn accessories in the scope of the standard. The scope will also indicate those products that should be used by infants five months or less of age or when the baby begins to roll over or pull up into a sitting position. The group felt that pulling up on the side is more accurate and more conservative than "pulling up to sitting position". In the definitions, reference to play yards is being deleted. The newborn accessories will reference the 17 inch length. Restraints will be noted as being optional and all products must meet side height requirements. The meeting ended with a lengthy discussion on folding mechanism requirements. This will be discussed further at the 4/9/13 meeting.

Next Action CPSC staff will monitor the development of this draft standard and participate in an ASTM subcommittee meeting on 4/9/13.

Product	**Infant Bedding and Accessories**
Staff Contact	Midgett, Jonathan
Purpose	To provide technical support to the ASTM F15.19 Subcommittee on Infant Bedding, which has responsibility for maintaining and revising the ASTM *Standard Consumer Safety Performance Specification for Infant Bedding and Related Accessories* (ASTM F1917) to make these products safer.
Activities	At the 10/25/12 meeting, the subcommittee discussed the approval of the most recent version of the standard which was published during the summer of 2012. The chair reported that the vast majority of manufacturers at a recent trade show were aware of the standard. The instructions task group showed a draft of instructions, including Spanish and French translations. Some concerns were expressed that requiring a specific set of instructions means that a firm needs to make a product that matches those instructions. The requirement for multiple languages was also questioned. The warning label addressing strangulations on crib sheets was discussed. Bumpers that are non-traditional or liners or slat wraps were noted as needing some interpretations in the standard which currently only addresses traditional types of bumpers.
Next Action	Staff will continue to provide technical assistance and incident data to the subcommittee and participate in a subcommittee meeting on 4/8/13.

Product	**Infant Bouncers**
Staff Contact	Wanna-Nakamura, Suad
Purpose	To revise the ASTM *Standard Consumer Safety Specification for Infant Bouncer Seats* (ASTM F2167) to strengthen its safety provisions.
Activities	On 3/28/13, a task group reviewed proposed revisions to title and scope of the ASTM F2167-12a standard on infant bouncer seats. Negatives to a ballot item to revise the title, by deleting the word 'bouncer' from the standard title, were found persuasive because other seat type products could then fall into this category. The task group agreed with the proposal to adopt the new title and listing all items covered and not covered by the standard in its scope. The task group reviewed the following issues dealing with seat back angle and test methods for measuring the angle: (1) establishing the maximum upright angle to prevent newborns and infants, who are unable to sit up unassisted, from being placed at an angle that is too upright, (2) establishing a minimum angle for the reclined position so as to prevent active infants from being able to push themselves up the seat and increase the possibility of rearward tip over, (3) using a hinged weight gage to measure the angle of incline and seat bight, and (4) adopting an European standard method for establishing a seat bight on bouncers without a defined seat bight. It was suggested

that all the issues be raised again before the full subcommittee.

Next Action Participate in the ASTM subcommittee meeting on 4/10/13.

Product **Infant Carriers (Frame)**

Staff Contact Edwards, Patty

Purpose To revise the ASTM *Standard Consumer Safety Specification for Frame Child Carriers* (ASTM F2549) to reduce the risk of injuries to occupants.

Activities There was no standard development activity during the reporting period.

Next Action Staff will participate in the next ASTM subcommittee meeting on 4/11/13.

Product **Infant Carriers (Hand-Held)**

Staff Contact Edwards, Patty

Purpose To revise the ASTM *Standard Consumer Safety Performance Specification for Hand-Held Infant Carriers* (ASTM F2050) to reduce the risk of injuries to occupants.

Activities The ballot results for the suffocation warning label were reviewed at the 10/24/12 subcommittee meeting. Two negative votes were found to be persuasive. The ballot was revised, distributed in 1/13, and passed with no negative votes. The auto-locking test revisions were discussed at both the 10/12 and 1/13 subcommittee meetings. Test labs and manufacturers agreed to do more testing to isolate the variables. Results will be discussed at a 4/13 meeting.

Next Action Staff will continue to provide technical assistance to the subcommittee, participate on task groups, and attend the next subcommittee meeting on 4/10/13.

Product **Infant Carriers (Soft)**

Staff Contact Amodeo, Vince

Purpose To revise the ASTM *Standard Consumer Safety Specification for Soft Infant Carriers* (ASTM F2236) to strengthen its safety provisions.

Activities A revised ASTM *Standard Consumer Safety Specification for Soft Infant Carriers* (ASTM F2236-13) was approved on 3/1/13 and published on 3/18/13. On 3/20/13, staff proposed incorporating the standard by reference in a Notice of Proposed Rulemaking.

Next Action	CPSC staff will participate in the next subcommittee meeting on 4/9/13.
Product	**Infant Gates**
Staff Contact	Edwards, Patty
Purpose	To revise the ASTM *Standard Consumer Safety Specification for Expansion Gates and Expandable Enclosures* (ASTM F1004) to strengthen its safety provisions.
Activities	At the 10/22/12 meeting, the subcommittee discussed the latest incident data and considered whether or not adults tripping over 24 inch tall gates should be addressed and how to address it. No proposals were made to address the issue.
Next Action	Staff will continue to provide technical assistance to the subcommittee and participate in the subcommittee meeting on 4/8/13.
Product	**Infant Slings (Sling Carriers)**
Staff Contact	Nesteruk, Hope
Purpose	To revise ASTM *Consumer Safety Specification for Sling Carriers* (ASTM F2907) to address suffocation and fall hazards associated with sling carriers (sometimes called infant slings).
Activities	Staff participated in the 10/25/12 subcommittee meeting. During this meeting, ballot proposals on warnings, labeling, instructions, and test methods were proposed and sent to ballot. The subcommittee also discussed a suggestion to change the scope to bring upright products with unbounded leg openings (currently considered soft infant carriers and toddler carriers) into the scope of the infant sling standard, but no action was taken. Staff also participated in task group meetings discussing the scope, warnings, and the development of a face exposure test.
Next Action	Staff will participate in an ASTM subcommittee meeting on 4/9/13.
Product	**Infant Swings**
Staff Contact	Kiss, Celestine
Purpose	To revise the ASTM *Standard Consumer Safety Specification for Infant Swings* (ASTM F2088) to strengthen its safety provisions.
Activities	A revised ASTM *Standard Consumer Safety Specification for Infant Swings* (ASTM F2088-13) was approved on 1/15/13. CPSC's final rule (16 CFR Part 1223)

for Infant Swings was published on 11/7/12. It incorporated by reference the prior version of the standard (ASTM F2088-12a) with two exceptions. The ASTM F15.21 subcommittee that maintains the ASTM *Standard Consumer Safety Specification for Infant Swings* issued a new ballot to bring the ASTM F2088-12a standard into alignment with the CPSC final rule. The ballot closed 12/25/12. All comments were addressed. The ASTM F2088-13 standard received final approval on 1/15/13.

Next Action Staff will continue to provide technical assistance to the subcommittee and participate in future ASTM subcommittee meetings.

Product **Infant Tubs**

Staff Contact Edwards, Patty

Purpose To develop a revised ASTM *Consumer Safety Specification for Infant Bath Tubs* (ASTM F2670) to eliminate or reduce the drowning hazard associated with infant tubs.

Activities A revised ASTM *Consumer Safety Specification for Infant Bath Tubs* (ASTM F2670-12) was approved on 11/01/12 and another version, the ASTM F2670-13 standard was approved on 2/15/13. At the 10/23/12 meeting, the subcommittee reviewed open ballots on warnings and humidity levels. The chair also reviewed incidents but did not identify any new hazard patterns.

Next Action Staff will continue to provide technical assistance to the subcommittee and will participate in a subcommittee meeting on 4/09/13.

Product **Infant Walkers**

Staff Contact Edwards, Patty

Purpose To revise the ASTM *Standard Consumer Safety Performance Specification for Infant Walkers* (ASTM F977) to strengthen its safety provisions.

Activities At the 10/24/12 meeting, the subcommittee voted to notify CPSC that ASTM has published a revised 2012 version of the ASTM F977 *Standard Consumer Safety Performance Specification for Infant Walkers* (ASTM F977-12). The 2007 version of F977-10 was adopted as a mandatory consumer product safety standard in 16 CFR 1216 during 6/10. The updated 2012 version builds upon the 2007 version and incorporates changes intended to address the modifications to the voluntary standard that exist in the current mandatory rule.

Next Action Staff will continue to provide technical assistance to the subcommittee and participate in the next subcommittee meeting when scheduled.

Product	**Jewelry, Children's**
Staff Contact	Hatlelid, Kris
Purpose	To provide technical support to the development and maintenance of the ASTM *Standard Specification for Consumer Product Safety for Children's Jewelry* (ASTM F2923) to improve safety.
Activities	Prior to the reporting period, a new ASTM *Standard Specification for Consumer Product Safety for Children's Jewelry* (ASTM F2923-11) was approved on 11/1/11. Staff continued to monitor the activities of the ASTM F15.24 subcommittee. In 2012, the focus of the subcommittee changed to developing an adult jewelry standard. CPSC involvement remained at a monitoring level for children's jewelry activities. There was no known voluntary standards development activity with children's jewelry during the activity period.
Next Action	Continue to monitor and provide technical support, as appropriate, to the ASTM F15.24 subcommittee in its work maintaining the ASTM F2923 safety standard on children's jewelry and the new activity on adult jewelry.

Product	**Ladders**
Staff Contact	Caton, Tom
Purpose	To provide technical support to the ANSI A14 Committee for Ladder Safety and Ladder Standards, which maintains consensus safety standards for various types of ladders.
Activities	The currently available safety standards within this committee's scope of responsibility are: *Wood Ladders* (ANSI A14.1); *Portable Metal Ladders* (ANSI A14.2); Fixed Ladders (ANSI A14.3); *Job Made Wooden Ladders* (ANSI A14.4); *Portable Plastic Reinforced Ladders* (ANSI A14.5); *Mobile Ladder Stands and Mobile Ladder Stand Platforms* (ANSI A14.7); and *Safety Requirements for Disappearing Attic Stairways* (ANSI-ASC A14.9). The ANSI ASC A14.8 subcommittee completed a draft ladder accessory standard for review by the ANSI ASC A14 Committee. The final draft for ladder accessories will be ready for final ANSI balloting by the next ANSI A14 Committee meeting on 4/23/13. The label sub-committee is continuing work on revising ladder labels.
Next Action	Staff will monitor the ANSI ladder meeting minutes and will provide appropriate technical support at the task group and subcommittee meetings.

Product	**Lighters, Cigarette**
Staff Contact	Khanna, Rik
Purpose	To provide technical support for the maintenance and revision of the ASTM *Standard Consumer Safety Specification for Lighters* (ASTM F400-04) and the ASTM *Standard Consumer Safety Specification for Utility Lighters* (ASTM F2201–10) to improve product safety.
Activities	There was no known standard development activity during the reporting period. Prior to the reporting period, the ASTM F15.92 subcommittee continued to discuss the desirability of definition refinements to include maximum vapor pressure to address potential hazards with refillable lighters. At the 6/12 meeting, the subcommittee considered the refinement for lighter gas to include a maximum vapor pressure requirement in addition to the current minimum vapor pressure specification and formed a technical task group to look deeper into this issue. The subcommittee chairman provided an update on the formation of a technical task group to explore and propose to the full subcommittee the expansion of the scope of ASTM F15.02 subcommittee. The expanded scope would include developing additional safety standards for products that are associated with lighters and non-lighter products that use similar technologies and fuels, as well as generating light and/or heat with or without flame. Technical task groups were formed to look into home/kitchen and hobby butane torches, as well as multi-flame lighters. A proposal to expand the scope of ASTM F15.02 to develop a new standard to address safety hazards with solid, semisolid, and gel fuels used in consumer products was considered. A representative from Sterno provided background on firepot and gel fuels and requested this subcommittee consider including these products in its scope. No objections were made, but the subcommittee asked for additional information that is to be provided by the Sterno representative.
Next Action	Participate in the ASTM F15.02 subcommittee's next meeting on 6/12/13.
Product	**Mattresses, Inflatable Air**
Staff Contact	Midgett, Jonathan
Purpose	To develop an ASTM safety standard to eliminate or reduce serious injuries caused when babies suffocate on inflatable air mattresses.
Activities	ASTM resubmitted a previous ballot that had received negative votes. The ballot did not receive enough return votes to move the ballot forward. The ASTM F15.90 Executive Committee was notified of this problem and made a commitment to encourage more voters to respond to the next ballot.

Next Action Staff will continue to provide technical assistance as needed to create a standard.

Product **Monitors, Baby**

Staff Contact Lee, Doug

Purpose To revise the ASTM *Consumer Safety Specification for Baby Monitors* (ASTM F2951) to address strangulation and fire hazards associated with the use of baby monitors.

Activities Staff participated in the ASTM subcommittee meeting on 10/26/12 to discuss the applicability of the present requirements in the ASTM *Consumer Safety Specification for Baby Monitors (ASTM F2951-12)* for sensor type monitors. Staff participated in task group conference calls on 12/6/12, 1/10/13, and 2/13/13 to continue to work on safety provisions that were previously placed on the memory list that included warning labels and icons for the product enclosure, packaging, battery/overheating, rigid cords, securing cords to furniture or walls, and applicability of the 16 CFR Part 1303 rule.

Next Action Staff will continue to provide technical support to the subcommittee and its task groups working on additional requirements for the voluntary standard. Staff will also participate in the 4/11/13 subcommittee meeting to discuss warning labels and icons on product enclosures.

Product **Mowers**

Staff Contact Murphy, John

Purpose To provide technical support to the revision of the ANSI/Outdoor Power Equipment Institute (OPEI) *Standard for Consumer Turf Care Equipment–Walk-Behind Mowers and Ride-on Machines with Mowers* (ANSI/OPEI B71.1), whose purpose is to reduce injuries associated with mowers.

Activities There was no known standard development activity during the reporting period. A revised ANSI/OPEI *Standard for Consumer Turf Care Equipment–Walk-Behind Mowers and Ride-on Machines with Mowers* (ANSI/OPEI B71.1-2012) was approved on 4/23/12 and published on 7/24/12. The standard addresses hazards associated with mowers, such as the mower backing up or running over a person, resulting in laceration injuries from blade contact. An additional hazard occurs when a mower rolls over onto the user, creating crushing injuries.

Next Action Staff plans to continue to provide technical support to future safety enhancements of the standard, and maintain a position on the ANSI canvas list for this standard.

Product	**Nanotechnology**
Staff Contact	Thomas, Treye
Purpose	To monitor and provide technical assistance, as appropriate, to the development of consumer product safety standards relating to nanotechnology.
Activities	ASTM formed Committee E56 to address issues related to standards and guidance materials for nanotechnology and nanomaterials. A new ASTM subcommittee E56.06, entitled "Nano-Enabled Consumer Products" was established. CPSC staff participated, as an observer, in the ANSI International Organization for Standardization (ISO) Technical Advisory Group to the TC 229 Committee on Nanotechnologies. In 2/13, staff participated in a panel that addressed the need for nanotechnology standardization.
Next Action	CPSC staff may participate in the development of a guide for detecting and characterizing silver nanoparticles in textiles.

Product	**National Electrical Code**
Staff Contact	Lee, Doug
Purpose	To revise the safety provisions of the National Fire Protection Association's (NFPA) *National Electrical Code* (NEC), NFPA 70, to reduce electrical fires and shock incidents associated with consumer products including appliances, electrical equipment, and wiring products.
Activities	CPSC staff participated in the NEC meetings 11/27-29/12 and 12/3-4/12 to review public comments on proposals for the 2014 edition of the NEC. Panel 2 (Branch Circuit Wiring) reviewed 125 comments on proposals and Panel 17 (appliances and pools) reviewed 51 proposals. Staff participated in the Fire Protection Research Foundation's (FPRF's) Electrical Advisory Committee meeting on 1/24/13 to review electrical research projects in support of the NEC and provide information on the CPSC databases available to the public.
Next Action	Staff will continue to advocate FPRF projects in support of the NEC and review hazard data to support the 2017 edition of the NEC.

Product	**Off-Road Vehicles**
Staff Contact	Paul, Caroleene
Purpose	To revise the American National Standards Institute (ANSI)/Recreational Off-Highway Vehicle Association (ROHVA) *Recreational Off-Highway Vehicles Association* (ANSI/ROHVA 1-2010) standard to include performance requirements for lateral stability, vehicle steering, and occupant protection performance. An additional purpose is to revise the draft voluntary standard for recreational off-road vehicles (ROVs) developed by the Outdoor Power Equipment Institute (OPEI), (ANSI/OPEI B71.9-20xx), to include performance requirements for lateral stability, vehicle steering, and occupant protection performance.
Activities	CPSC staff received a letter from ROHVA dated 10/25/12, requesting that CPSC conduct repeatability tests of the ROV J-turn test and that ROHVA representatives be allowed to observe. CPSC staff responded 11/13/12 that CPSC staff planned to conduct repeatability testing and would invite ROHVA representatives to attend. CPSC staff also requested copies of ROHVA's test results and requested that CPSC staff and contractors be allowed to observe ROHVA's J-turn tests. CPSC staff scheduled testing at the Transportation Research Center (TRC) for 4/10/13 and invited ROHVA representatives to attend.
Next Action	CPSC staff will perform repeatability testing at the TRC on 4/10/13.

Product	**Phthalates**
Staff Contact	Dreyfus, Matt
Purpose	To develop a new ASTM *Standard Test Method for Determination of Low Level, Regulated Phthalates in Poly (Vinyl Chloride) Plastics by Thermal Desorption – Gas Chromatography/Mass Chromatography* (ASTM D7823).
Activities	A draft new ASTM *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) neared final approval at the end of the reporting period. Subsequently, the standard was approved on 4/1/13. Staff provided technical support to the ASTM D20.70 Analytical Methods Subcommittee of the ASTM D20 Committee on Plastics to help develop the new standard test method. This method will be complimentary to the CPSC method, allowing for easier testing when looking for low levels of phthalates. Depending on the test lab, this method may help to reduce testing costs.
Next Action	Staff will help publicize the new test method, as appropriate.

Product	**Playground Equipment (Children <2 Years)**
Staff Contact	Nesteruk, Hope
Purpose	To revise the ASTM *Standard Consumer Safety Performance Specification for Public Use Play Equipment for Children 6 Months to 23 Months* (ASTM F2373) to reduce injuries.
Activities	This equipment often is found in child care facilities. Staff monitored the activities of the ASTM F15.44 subcommittee that developed and maintains this standard. The subcommittee did not meet during the reporting period.
Next Action	Monitor the subcommittee's work and participate in the next subcommittee meeting when it is scheduled.

Product	**Playground Equipment (Home)**
Staff Contact	Nesteruk, Hope
Purpose	To revise the ASTM *Standard Consumer Safety Performance Specification for Home Playground Equipment* (ASTM F1148) to strengthen its safety provisions.
Activities	Staff monitored the activities of the ASTM F15.09 Home Playground Equipment Subcommittee. The subcommittee met on 11/13/12; however, staff was unable to attend. According to the minutes of the meeting, the subcommittee dealt with an open ballot item regarding removing the word "pinch" from references to "pinch, crush, and shear," finding a negative vote to the ballot not persuasive because pinch is not "life threatening or seriously debilitating," unlike crush or shear. The labeling task group presented a motion to ballot new on-product warnings. Task groups on tolerances, playhouses, surfacing exemptions, and equipment performance continued their work.
Next Action	Participate in ASTM F15.09 subcommittee meeting in 05/13.

Product	**Playground Equipment (Public)**
Staff Contact	Nesteruk, Hope
Purpose	To revise the ASTM *Standard Consumer Safety Performance Specification for Public Playground Equipment* (ASTM F1487) to strengthen its safety provisions.
Activities	The ASTM F15.29 subcommittee met on 11/14/12; however, staff was unable to attend. According to the minutes of the meeting, a task group was formed to identify words to be prioritized for definitions in a new International Organization for Standardization (ISO) standard for playground equipment. In addition, several working groups met during the subcommittee meeting. The materials and signage

working group decided to table further discussion of warning signage while the market adapts to the current standard. The performance requirement working group continued work on suspended components, and submitted two ballot items regarding chains, ropes, and other suspended components. These ballot items were intended to allow flexibility while still addressing the potential strangulation hazard.

Next Action Participate in the ASTM subcommittee meeting in 05/13.

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

Staff Contact Paul, Caroleene

Purpose To revise the UL *Standard for Stationary and Fixed Electric Tools* (UL 987) to include performance requirements to reduce or mitigate blade contact injuries from table saws.

Activities CPSC staff participated in the UL Table Saw Safety Working Group web conference meetings on 11/16/12, 12/3/12, 1/14/13, and 2/22/13. The working group discussed UL's progress with simulating approach rates, determining maximum acceptable depth of cut, and developing a surrogate test finger to use in performance requirements.

Next Action CPSC staff will continue to participate in the UL working group meetings and will observe UL's approach to developing performance requirements for table saw safety.

Product **Ranges (Tipover)**

Staff Contact Lee, Arthur

Purpose To revise the UL *Standard for Household Electric Ranges* (UL 858) to reduce free-standing range tipover hazards.

Activities CPSC staff participated in a task group meeting on 12/12/12. The group discussed the issues related to instability of range/ovens. The task group also examined possible devices that could prevent tipovers of unsecured ranges.

Next Action CPSC staff will participate in the working group and will attend the future meetings of the working group. The next meeting was not scheduled at the end of the reporting period.

Product	**Smoke Alarms**
Staff Contact	Lee, Arthur
Purpose	To revise the UL *Standard for Single and Multiple Station Smoke Alarms* (UL 217) and the *National Fire Alarm and Signaling Code* of the National Fire Protection Association (NFPA 72) to improve consumer safety.
Activities	On 11/1/12, CPSC staff participated in a task group teleconference to help develop the performance requirements related to new smoldering and flaming tests for smoke alarms. On 11/30/12, CPSC staff participated in a UL task group meeting that reviewed the full scale house fire tests conducted by UL. On 1/24/13, CPSC staff participated in a task group meeting to develop the performance requirements related to new smoldering and flaming tests for smoke alarms. On 3/18-19/13, CPSC staff participated in the NFPA pre-meeting for developing the next edition of NFPA 72 code for 2016.
Next Action	Participate in UL 217 task group activities by proposing safety provisions to the UL 217 standard. Participate in the task groups to develop the 2016 edition of the NFPA 72 code.

Product	**Soccer Goals**
Staff Contact	Amodeo, Vincent
Purpose	To revise the ASTM *Standard Safety and Performance Specification for Soccer Goals* (ASTM 2056) and the ASTM *Standard Safety Specification for Special Tip-Resistant Movable Soccer Goals (*ASTM F2673) to reduce the hazard of soccer goals tipping over.
Activities	Prior to the reporting period, a ballot was issued for a new draft standard that merges the ASTM F2673 and ASTM F2056 soccer goal standards. This new standard would ensure that any size of soccer goal made to this new standard would provide a higher level of safety and would be tip resistant. The ballot received several negative votes that were being addressed by the subcommittee during the reporting period.
Next Action	Staff will continue to provide technical support to the subcommittee.

Product	**Strollers**
Staff Contact	Balci-Sinha, Rana
Purpose	To revise the ASTM *Standard Consumer Safety Specification for Carriages and Strollers* (ASTM F833) to strengthen its safety provisions.

Activities

At the 10/26/12 ASTM F15.17 subcommittee meeting, results of the F15 (12-07) ballot were discussed. All balloted items including latching mechanism, 3D & canopy, buckle release, frame folding, and head entrapment received negative votes. With the exception of the frame folding requirement, all other negative votes were later either withdrawn or found not persuasive. The subcommittee decided to form a task group to address the negative votes associated with a frame folding requirement. Another ballot, F15 (13-01), was issued on 1/28/13 with a closing date of 2/28/13.

This ballot included the items that were found not persuasive at the sub-committee level, in addition to a revised frame folding requirement. Only the frame folding requirement received negatives and would require further action. The subcommittee worked on obtaining final ASTM approval for a revised stroller and carriage standard that included all approved items so far. Included were stability, warning, restraining system, testing for stability, parking brakes, head entrapment, cord/strap, latches, buckle release, and 3D fold and canopy hinges provisions. At the end of the reporting period, a revised ASTM *Standard Consumer Safety Performance Specification for Carriages and Strollers* (F833-13) neared final approval. Subsequent to the end of the reporting period, the standard was approved on 4/1/13.

Next Action

Staff will continue to provide technical assistance to the subcommittee and participate in a subcommittee meeting on 4/10/13.

Product

Swimming Pools and Spas

Staff Contact

Sharpless, Perry

Purpose

To monitor or provide technical support for the development of 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 (VGB Act), that deal 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

The ASTM *Standard Design and Performance Specification for Removable Mesh Fencing for Swimming Pools, Hot Tubs, and Spas* (ASTM F2286-05(2013)) was reaffirmed on 2/15/13. This specification outlines the performance and design requirements for removable mesh safety barriers used as barriers for swimming pools, hot tubs, and spas to reduce the incidence of injuries or death for infants and children up to and including five years of age. Prior to the reporting period, the ASTM *Standard Specification for Manufactured Safety Vacuum Release Systems (SVRS) for Swimming Pools, Spas and Hot Tubs* (ASTM F2387-04 (2012)) was reaffirmed on 8/1/12.

Substantive changes were proposed to the American National Standards Institute (ANSI)/Association of Pool and Spa Professionals (APSP) *American National*

Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs (APSP-16-11). CPSC staff developed an experiment to investigate the adequacy of the standard's test procedures dealing with hair and body entrapment. CPSC staff continued to prepare for the investigation that will include a pilot study set to begin in 4/13.

Next Action Staff will continue to provide technical assistance and participate in the investigation of proposed changes to test procedures in the American National Standards Institute (ANSI)/Association of Pool and Spa Professionals (APSP) *American National Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs* (APSP-16-11).

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Product **Toys**

Staff Contact Amodeo, Vincent

Purpose To revise the ASTM *Standard Consumer Safety Specification for Toy Safety* (ASTM F963) to strengthen its safety provisions.

Activities There was no known subcommittee standard development activity during the period.

Next Action Provide technical support to the ASTM working group standard development activities and participate in upcoming subcommittee meetings.

Product **Trampolines**

Staff Contact McCallion, Richard

Purpose To provide technical support to the improvement of voluntary safety standards to reduce deaths and injuries associated with consumer trampolines and trampoline centers.

Activities Staff worked with ASTM to revise the ASTM *Standard Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines* (ASTM F381-11. In addition, the staff provided technical support to the development of a new standard *Practice for the Design Manufacture, Installation, Operation, Maintenance, Inspection and Major Modification of Trampoline Courts* (F2970-13) that neared final approval at the end of the reporting period. Subsequent to the end of the reporting period, the standard was approved on 4/1/13.

Next Action CPSC staff will continue to work with the ASTM F08.17 subcommittee developing and maintaining trampoline and trampoline court safety standards. Staff will participate in the next subcommittee meeting in 5/13.

Product	**Treestands**
Staff Contact	Lee, Arthur
Purpose	To provide technical support for the development of new, revised, and reaffirmed standards for hunting treestands and associated equipment to reduce hazards to consumers.
Activities	CPSC staff monitored the ASTM F08.16 subcommittee that is responsible for developing and maintaining voluntary standards for treestands. The following were balloted at the subcommittee level 9/21/12–10/22/12. All ballots were approved without negatives: F2121-05 *Standard Practice for Treestand Label* – revisions to the label content and background color. F2122-08 *Standard Practice for Treestand Safety Devices* − revisions/clarification on fall arrest systems instructions and definition. F2123-09 *Standard Practice for Treestand Instructions* – revisions to include amendment related to video instruction and section related to optional products/systems that offer self-recovery or self-extraction from a fall while suspended in a harness. F2124-05 *Standard Practice for Testing Treestand Ladder, Tripod Stand and Climbing Stick Load Capacity* – revision to the standard related to establishing the test weight for ladders, tripods, two person bench seats and two person tipped seats. A subcommittee meeting was held on 11/12/12 to discuss the standard provisions in the standards above.
Next Action	ASTM F15 committee ballots for the above items opened 3/20/13 and will close on 4/13/13. CPSC staff will continue to monitor these activities and provide technical support, as appropriate.