



UNITED STATES  
CONSUMER PRODUCT SAFETY COMMISSION  
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BETHESDA, MD 20814

**Memorandum**

Date: March 10, 2011

TO : The Commission

THROUGH: Todd Stevenson, Secretary *TST*  
Cheryl Falvey, General Counsel *CAF*  
Kenneth R. Hinson, Executive Director *KRH*

FROM : Colin B. Church *CC*  
Voluntary Standards Coordinator

SUBJECT : Voluntary Standards Activities FY 2010 Mid Year Report

Attached is the U.S. Consumer Product Safety Commission staff's *Voluntary Standards Activities FY 2010 Mid Year Report (October 2009 – March 2010)* which is forwarded for your information. If you have any questions, please call Colin Church at 301-504-7245.

ATTACHMENT:

*RH 3/10/2011*

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THIS DOCUMENT HAS NOT BEEN  
REVIEWED OR ACCEPTED BY THE  
COMMISSION.

## **Voluntary Standards Activities 10/1/09 – 3/31/10**

### **SUMMARY**

Ten 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 10/1/09 – 3/31/10. These addressed bath seats, bicycles (two standards), garage door operators, heaters (electric), infant carriers (hand-held), infant swings, infant tubs, infant walkers, and recreational off-road vehicles.

In total from 10/1/09 to 3/31/10, the CPSC staff provided technical support to or monitored the development of 61 voluntary safety standards which are included in the information that follows. CPSC staff voluntary standards involvement was partially limited during the reporting period to focus agency resources on regulatory activities associated with the Consumer Product Safety Improvement Act of 2008 (CPSIA). The vast majority of the voluntary standards development activities were handled 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). These standards provide safety provisions addressing potential hazards associated with consumer products found in our homes, schools, and recreational areas.

### **VOLUNTARY STANDARDS AND THE CONSUMER PRODUCT SAFETY IMPROVEMENT ACT (CPSIA)**

CPSC staff worked with ASTM International (ASTM), a voluntary standards coordinating organization, and its subcommittees to fulfill certain requirements of the CPSIA of 2008 (Pub. L. 110-314). Section 104(b) 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 be more stringent than these voluntary standards if the Commission concludes that more stringent requirements would 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, and hook-on chairs; gates and other enclosures; play yards; stationary activity centers; strollers; swings; and bassinets and cradles. Before issuing such standards, the Commission is required, in consultation with representatives of consumer groups, juvenile product manufacturers, and independent child product engineers and experts, to examine and assess the effectiveness of any voluntary consumer product safety standards for the relevant durable infant and toddler product. The ASTM subcommittees are composed of representatives of the groups listed above and may include other interested stakeholders.

ASTM subcommittees maintained and developed voluntary safety standards for durable infant and toddler products, as well as other products. Selected subcommittees sought, with input from CPSC staff, to develop revised voluntary safety standards which would be substantially the same as mandatory safety standards which might be proposed by CPSC staff to the Commission. CPSC staff later evaluated the revised ASTM standards and recommended that the Commission incorporate by reference the revised ASTM voluntary standards (together with more appropriate and more stringent safety provisions) in CPSC mandatory standards. Cooperative activities between the CPSC staff and the ASTM voluntary standards subcommittees included 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 included developing new testing protocols and conducting laboratory tests to validate testing approaches.

## **THE “V-STAR” REPORT**

Below you will find 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. Information from the CPSC staff was developed by the Office of Hazard Identification and Reduction to prepare the report. This report is issued twice a year, both for the middle and the end of the CPSC fiscal year which runs from October 1, 2009 to September 30, 2010. Below is the *V-STAR FY 2010 Mid Year Report (October 2009 – March 2010)*.

## **PUBLIC PARTICIPATION AND COMMENT**

During the reporting period, the CPSC staff continued the program to provide information on CPSC staff voluntary standards activities. Draft CPSC staff recommendations on issues to be considered by voluntary standards organizations were placed on the CPSC web site ([www.cpsc.gov](http://www.cpsc.gov)) to allow for public review and comment.

## **ONE-STOP SHOPPING FOR VOLUNTARY CONSUMER PRODUCT SAFETY STANDARDS**

Maintenance of the CPSC web site continued to make it easier for users to find more extensive information on voluntary consumer product safety standards. Through the CPSC web site, users were able to access the computer search engines of the three major standards organizations (ANSI, ASTM International, and UL) which handle almost all of the voluntary safety standards on which the CPSC staff works. Further, the most recent annual report on CPSC voluntary standards activities was added to the CPSC web site.

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

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

**FY 2010 MID YEAR REPORT  
(October 2009 – March 2010)**



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

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

***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 voluntary standards for consumer products. A description of these activities from October 1, 2009, through March 31, 2010, 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. During the first half of FY 2010, the number of voluntary standards activities in which staff participated was partially limited, to focus agency resources on regulatory activities associated with the Consumer Product Safety Improvement Act of 2008 (CPSIA).

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***CPSC Staff Voluntary Standards Activities  
FY 2010 Mid Year Report  
(October 2009 – March 2010)***

***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***                   CPSC staff participated in subcommittee meetings on 10/15/09 and 3/18/10. The subcommittee discussed and balloted requirements addressing hazards associated with activity centers that can rotate around a central post and a change to the seat tilt test to account for rotating seat stationary activity centers.

***Next Action***              To continue to provide technical assistance to the subcommittee and participate in subcommittee meetings in the fall of 2010.

***Product***                    **Air Cleaners (Ozone Generation)**

***Staff Contact***            Thomas, Treye

***Purpose***                      To review and provide technical assistance for the implementation and revision of the Underwriters Laboratories Inc. (UL) *Standard for Electrostatic Air Cleaners* (UL 867 Section 37) to improve consumer safety.

***Activities***                   UL formed a working group to revise its *Standard for Electrostatic Air Cleaners* (UL 867 Section 37). A revised testing method was approved in 12/07. The UL working group developed clarifications for the ozone test procedures of electrostatic air cleaners, ionizers, and ozone generators, which were included in the revision. CPSC staff participated in the working group.

In 9/08, the California Assembly Bill 2276 (2006, Pavley) was signed, directing the California Air Resource Board (CARB) to develop and adopt a regulation to limit the ozone emitted from indoor air cleaning devices in order to protect public health. The bill required the CARB to adopt the 9/21/07 version of Section 37 of the ANSI/UL Standard 867 test method. During the reporting period, preparations were made for the new testing requirements to become fully effective in 10/10.

Exposure to ozone predominantly affects the respiratory system, causing adverse health effects such as throat irritation, pulmonary edema, and reduced lung function, with symptoms such as coughing and shortness of breath.

***Next Action***              To monitor California implementation of the UL standard and make recommendations for further revisions to the UL standard, as appropriate.



**Product**                    **Amusement Rides (Portable)**

**Staff Contact**            Caton, Tom

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

**Activities**                The scope of ASTM F24 activities includes terminology, building code requirements, latch requirements for child patrons, patron height measurement methods, and fencing requirements. Committee F24 met in 2/10. CPSC staff reviewed ballots on standard practices for amusement ride terminology, design, manufacture, railways, water-related rides and devices, and hydraulic systems.

CPSC staff attended the Pennsylvania Spring Amusement Ride and reviewed amusement ride regulations and standards with state government officials, private inspectors, and ride owners. In addition, CPSC staff made a presentation about dissimilar metals and corrosion.

**Next Action**            The next ASTM meeting on portable amusement rides is planned in 10/10. CPSC staff will continue monitoring the ASTM F24 standard development process and will make recommendations for revisions in the ASTM F24 standards, 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**                At a 3/16/09 subcommittee meeting, the Task Group on Fabric Detachment presented proposed requirements, which included testing for spacing requirements when a product is in the intended use position and in foreseeable use conditions. This proposal was balloted on 5/5/09 and the results were reviewed at the 10/15/09 subcommittee meeting. The subcommittee decided to reword the proposal based on comments received so as to instruct labs to look at foreseeable configurations that could be used for keeping the child in the bassinet.

At the 3/17/10 ASTM subcommittee meeting, a task group was established to review CPSC data regarding deaths due to added bedding. Another task group was established to review rocking incidents. CPSC staff agreed to participate in both of these task groups. A proposal to strengthen the warning using the phrase "Infants have died" was balloted and approved. The subcommittee also proposed a number of new definitions for the standard. On 3/17/10, staff reported on the progress of CPSC's proposed mandatory standard for bassinets promulgated under Section 104 of the CPSIA. The subcommittee provided comments on the proposed language and was especially concerned by the proposed method to measure tilt angle of the occupant sleeping surface to address positional asphyxiation. A task group was formed to evaluate alternative methods of measuring the angle to improve inter-test reliability. The subcommittee also began

the procedures to create a standard for hammocks and discussed the potential scope of that standard.

<b>Next Action</b>	Staff will continue to provide technical assistance to the subcommittee and keep the subcommittee informed of the progress of the proposed rule. Staff will also participate in an ASTM subcommittee meeting on 8/27/10.
<b>Product</b>	<b>Bath Seats</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To revise the ASTM <i>Standard Consumer Safety Specification for Infant Bath Seats</i> (ASTM F1967) to eliminate or reduce the risk of infant drowning resulting from tipover and climbing out hazards.
<b>Activities</b>	The revised ASTM <i>Standard Consumer Safety Specification for Infant Bath Seats</i> (ASTM F1967-2010) was approved on 3/15/10. This revision provided safety provisions suitable for incorporation by reference within a proposed CPSC mandatory standard. The provisions addressed the stability requirement and the leg opening requirement. CPSC staff provided incident data in 9/09 for review at the 10/14/09 subcommittee meeting. Four new incidents were reported at the 3/17/10 meeting but no new hazards were identified. The subcommittee chair reported on the EU Commission's directive to begin working on requirements for bathing aids sold in Europe.
<b>Next Action</b>	Staff will continue to provide technical assistance to the subcommittee and keep the subcommittee informed about the progress of the proposed CPSC mandatory standard. Subsequent to the end of the reporting period, the CPSC issued a final rule on 6/4/10.
<b>Product</b>	<b>Batteries</b>
<b>Staff Contact</b>	Lee, Doug
<b>Purpose</b>	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.
<b>Activities</b>	Hazards associated with batteries and battery chargers include: overheating, fire, thermal burns, exposure to electrolytes, explosions, ingestion, and electrical shock from chargers. CPSC staff monitored and participated in many standards activities including: (1) those of the Institute of Electrical and Electronics Engineers (IEEE): <i>Standard for Rechargeable Batteries for Mobile Telephones</i> (IEEE 1725), <i>Standard for Rechargeable Batteries for Multi-cell Computing</i> (IEEE 1625), (2) Underwriters Laboratories Inc. <i>Standard for Safety for Lithium Batteries</i> (UL 1642), (3) American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA) <i>Safety Standards for Primary, Secondary and Lithium Batteries</i> (ANSI/NEMA C18), and (4) ASTM <i>International Standard Consumer Safety Specification for Toy Safety</i> (ASTM F963). As part of CPSIA Section 106 work, CPSC staff worked with industry to address battery hazards in toys and revision of the ASTM F963 toy standard. CPSC staff solicited industry comment on the CPSC

drafted proposed requirements for ASTM F963. At the request of CPSC staff, ASTM formed a working group with industry to complete the draft battery requirements for ASTM F963. CPSC staff participated in the ASTM working group meetings and teleconferences on 10/30/09 and 11/17/09 to further refine draft requirements. CPSC staff continued to monitor ANSI/NEMA C18 activity involving hazards, potential requirements, and certification of batteries used in toys.

**Next Action** To complete draft requirements for ASTM F963 standard balloting including newly proposed requirements for batteries in sealed enclosures as well as labeling requirements. Review requirements for accessibility of small batteries that could be ingested. Continue to participate in battery standards activities involving hazard reduction.

**Product** **Bed Rails**

**Staff Contact** Edwards, Patty

**Purpose** To revise the ASTM *Standard Consumer Safety Specification for Bed Rails* (ASTM F2085-09) to improve the marking and labeling as well as to clarify testing procedures.

**Activities** The ASTM subcommittee began development of a revision to the standard which included a warning for manufacturer-specific bed rails. CPSC staff participated in subcommittee meetings on 10/14/09 and 3/19/10. The subcommittee created a new task group to review CPSC staff concerns in light of a possible CPSC mandatory standard developed in accordance with requirements of the CPSIA. The goal was to create a revised ASTM voluntary standard which can be incorporated by reference in a possible CPSC mandatory standard.

**Next Action** To participate in an ASTM subcommittee meeting on 8/25/10. Staff will continue to provide technical assistance to the subcommittee and keep the subcommittee informed of the progress of a proposed CPSC rule. Staff will evaluate the concerns of the subcommittee about the structural integrity tests, markings, and instructional literature in its development of a draft proposed rule.

**Product** **Beds, Bunk**

**Staff Contact** Edwards, Patty

**Purpose** To revise the ASTM *Standard Consumer Safety Specification for Bunk Beds* (ASTM F1427) to address the strangulation hazard associated with vertical protrusions on bunk beds.

**Activities** CPSC staff participated in a 3/17/10 subcommittee meeting. Among other things, the subcommittee discussed an incident where a child died from strangulation on a cross wire. Staff was asked to redraft the introduction to the standard.

**Next Action** It is anticipated that the subcommittee will add a statement to the scope of the standard which will explain that accessories for bunk beds must meet other applicable safety standards. The warning requirement that addresses using guard rails on both sides of the bed probably will be rewritten to allow for designs with an

integral rail on one side. A performance test using a head probe will likely be proposed. Another task group will address how to measure the guard rail and harmonize with the federal standard. Staff will provide incident data associated with loft beds with a full sized mattress. Staff will continue to provide technical assistance and monitor ASTM subcommittee activities. Staff will evaluate proposals made by the task groups.

<b>Product</b>	<b>Beds, Toddler</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To revise the ASTM <i>Standard Consumer Safety Specification for Toddler Beds</i> (ASTM F1821) to include corner post requirements and to update the standard's warning language.
<b>Activities</b>	CPSC staff participated in subcommittee meetings on 10/14/09 and 3/16/10. The subcommittee reviewed four topics from the CPSC proposed mandatory standard on toddler beds: rail heights, structural integrity of rails, slat strength, and warnings. Other issues about the testing methods were discussed, including the use of the large head probe and the fish probe.
<b>Next Action</b>	Task groups will consider the issues shown above. Staff will continue to provide technical assistance to the subcommittee and participate in a subcommittee meeting on 8/25/10. Staff will evaluate subcommittee concerns about the requirements in the NPR. In light of a possible CPSC mandatory standard developed in accordance with requirements of the CPSIA, the goal is to create a revised ASTM voluntary standard which can be incorporated by reference in a possible CPSC mandatory standard.

<b>Product</b>	<b>Bedside Sleepers</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To develop a new ASTM <i>Standard Consumer Safety Specification for Bedside Sleepers</i> to address various hazards associated with these products.
<b>Activities</b>	CPSC staff participated in ASTM subcommittee meetings on 10/15/10 and 3/17/10. A draft of the proposed standard was reviewed and balloted. The subcommittee discussed negative votes and found one non-persuasive. New areas proposed for incorporation in the standard included: (1) bedside sleepers being misassembled, which could lead to falls or suffocations and (2) the developmental level of users as stated in the bassinet standard, which could lead to misuse of the product in a manner that causes falls.
<b>Next Action</b>	Staff will continue to provide technical assistance to the subcommittee and participate in the ASTM subcommittee meeting on 8/26/10. Staff will evaluate any new proposals addressing misassembled bedside sleepers or inadequate markings.

**Product**                    **Bicycles**

**Staff Contact**            Amodeo, Vince

**Purpose**                    To develop new or revised ASTM safety standards to reduce or eliminate hazards associated with bicycles and bicycle components.

**Activities**                A new ASTM *Specification for Condition 1 Bicycle Frames* (ASTM F2802-09) was approved on 11/15/09. The standard provides structural performance test values for Condition 1 bicycle frames to be used with the existing ASTM F2711 Test Method for Bicycle Frames.

                                  A new ASTM *Specification for Condition 3 Bicycle Frames* (ASTM F2614-09) was approved on 11/15/09. The standard provides structural performance test values for Condition 3 bicycle frames to be used with the existing ASTM F2711 Test Method for Bicycle Frames. Draft safety specifications were balloted for Condition 1 bicycle forks, trailer cycles, and Condition 0 bicycle frames. CPSC staff participated in a technical committee meeting on 9/24/09.

**Next Action**            Participate in ASTM subcommittee meeting in 5/10.

**Product**                    **Blind Cords**

**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**                The WCMA Roman shade task group developed a new draft set of Roman shade safety requirements. CPSC staff met with the group on 11/5/09 at which time the requirements for cord accessibility, hazardous loop determination, and the breakaway test procedure were reviewed. CPSC staff provided preliminary comments on 11/18/09 and asked that the requirements be limited to cord accessibility and hazardous loop determinations since the proposed breakaway test procedure does not address all foreseeable scenarios. The staff sent the WCMA additional comments and several references as requested by the WCMA on 12/29/09. The comments were discussed with the WCMA on 01/14/10. As requested in the meeting, the WCMA sent CPSC staff for its evaluation a test fixture which was developed by the WCMA to determine if a hazardous loop can be created with accessible cords. The test fixture and head probes were also sent by the WCMA to Health Canada for its assessment. CPSC staff performed an evaluation of the proposed testing procedure using the test fixture to determine its efficacy and sent comments to the WCMA on 03/01/10. The WCMA proposed a revised set of test procedures for Roman shades at a meeting on 03/11/10. At the end of the reporting period, CPSC staff was reviewing the revised, proposed test procedure.

**Next Action** Monitor the WCMA activities, particularly the adoption of new Roman shade test procedures. Participate in the 5/10/10 technical committee meetings to develop the revised ASTM standard.

**Product** **Booster Seats**

**Staff Contact** Edwards, Patty

**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** CPSC staff participated in subcommittee meetings on 10/16/09 and 3/18/10. At the 10/16/10 meeting, the subcommittee discussed revising and rebalancing a safety provision to address limitations of the product in warnings such as "Do not use in automobiles". A task group was formed to consider tipovers and the integrity of the straps used to attach the seats to adult chairs. The subcommittee also discussed the age grading of booster seats and the potential for misuse in cars. The subcommittee suggested new wording to clarify the impact test procedure.

**Next Action** Staff will continue to provide technical assistance and participate in ASTM subcommittee meetings in the fall of 2010.

**Product** **Candles**

**Staff Contact** Tenney, Allyson

**Purpose** To revise or develop new ASTM safety standards to eliminate or significantly reduce fire hazards associated with candles and candle products.

**Activities** Safety provisions from recently approved candle safety standards were being implemented during the reporting period including those from the following standards: ASTM F2417, F2601, and F2326, which are summarized below. A revised ASTM *Standard Specification for Fire Safety for Candles* (ASTM F2417-09) was approved on 6/1/09. Revisions included new flammability requirements for tealight cups and an expanded, more detailed appendix on gel-containing candles. A revised ASTM *Standard Specification for Fire Safety for Candle Accessories* (ASTM F2601-09) was approved on 6/1/09. Revisions included new flammability requirements for candle holders and accessories, and clarification of some test procedures. The ASTM *Standard Test Method for Collection and Analysis of Visible Emissions from Candles as They Burn* (F2326-04 (2009)) was reaffirmed on 8/1/09.

During the reporting period, an additional test program was initiated to evaluate plastic tealight cup flammability and to validate existing test requirements. Additional provisions for expanding the scope and requirements of the candle accessory standard were being considered at the close of the reporting period.

**Next Action** To monitor and participate in the ASTM subcommittee standards development activities including developing changes and additions to the standards which will be presented and discussed at the next meeting.

**Product**                    **Chairs, High**

**Staff Contact**            Edwards, Patty

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

**Activities**                CPSC staff participated in subcommittee meetings on 10/16/09 and 3/17/10. Suggested revisions to the standard included clarifications for test requirements including restraint system tests, and tray release tests plus a requirement to prevent arm entrapment.

**Next Action**            Staff will continue to provide technical assistance to the subcommittee and participate in an ASTM subcommittee meeting in the fall of 2010.

**Product**                    **Chairs, Youth (Folding)**

**Staff Contact**            Edwards, Patty

**Purpose**                    To revise the ASTM *Standard Consumer Safety Specification for Children's Folding Chairs* (ASTM F2613-07) in order to reduce the hazards associated with these products.

**Activities**                CPSC staff participated in subcommittee meetings on 10/12/09 and 3/19/10. The subcommittee reviewed ballot results pertaining to static load tests. A task group presented a report on the stability requirement and test method based on the European EN 71 toy standard in its section on seating surfaces for children.

**Next Action**            The staff will participate in subcommittee meetings in the fall of 2010. Staff will continue to provide technical assistance to the subcommittee

**Product**                    **Changing Tables**

**Staff Contact**            Edwards, Patty

**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**                Staff participated in subcommittee meetings on 10/14/09 and 3/18/10. The subcommittee discussed and refined the requirements for warning labels and discussed an accessory to a crib that spans the top of the crib rails. A task group was formed to address the potential for entrapment.

**Next Action**            Staff will participate in ASTM subcommittee meetings in the fall of 2010 and will evaluate any proposals to address the potential for entrapment in accessory products.

<b>Product</b>	<b>Child Resistant Packaging (CPR)</b>
<b>Staff Contact</b>	Rea, Gregory K.
<b>Purpose</b>	To monitor activities of the ASTM Subcommittee D10.32 <i>Consumer, Pharmaceutical, Child Resistant and Medical Packaging</i> and provide updates on any applicable CPSC regulatory activities.
<b>Activities</b>	No ASTM CRP standards were being revised during the reporting period. No packages requiring a new or revised classification in the ASTM D3475 <i>Standard Classification of Child-Resistant Packages</i> had been submitted. A D10.32 Subcommittee Task Group was formed 10/6/09 to draft a guideline for the definition of the CPSIA term "reasonable testing" as it would be applied to reclosable CR packaging. Following the CPSC CPSIA Testing Policy Workshop on 12/10-11/09, the Task Group's work was placed on hold in 1/10.
<b>Next Action</b>	Attend the ASTM D10.32 Subcommittee meeting on 4/15/10 and the ASTM D10 Committee meeting on 4/19-21/10 to monitor developments in the CR packaging industry.
<b>Product</b>	<b>CO Alarms</b>
<b>Staff Contact</b>	Switzer, Don
<b>Purpose</b>	To improve the safety of carbon monoxide alarms and revise the UL <i>Standard for Safety, Single and Multiple Station Carbon Monoxide Alarms</i> (UL 2034), as appropriate.
<b>Activities</b>	<p>A proposal was assigned to the task group handling improvements to the battery performance requirements in the standard. The proposal covered three areas. The first was to improve the length of time the backup battery in a hardwired alarm would power the unit in the alarm mode. The second involved requiring that the backup battery be permanently installed. Finally, the proposal addressed the possibility that all batteries be permanently installed, to address the hazard posed by consumers removing the batteries for other uses and thereby rendering the battery-powered alarm nonfunctional. Staff participated in a task group teleconference on 9/23/09. The task group: (1) identified areas of the standard that need to be modified, (2) identified technological challenges when using lithium ion batteries as backups, and (3) discussed the merits of a permanently installed backup battery and primary battery as opposed to using replaceable batteries. Consensus appeared to be with using the backup battery as a permanently installed battery. However, it may not be possible to permanently install a battery as the primary power source because of the higher power demands of CO sensors as opposed to smoke alarms.</p> <p>Staff supported the goal of improved battery performance, but also recognized the need to ensure that small rechargeable batteries which might be needed are adequate for the application. Further, if a permanent primary battery is required, it is uncertain that the batteries will be able to provide sufficient power for the CO sensor.</p>



**Next Action** Staff will participate in the next task group teleconference scheduled for 4/14/10 at which time the task group will identify specific provisions in the existing standard that should be revised to improve consumer safety.

**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** CPSC staff participated in subcommittee meetings on 10/14/09 and 3/17/10. Staff also participated in discussions regarding development of requirements for evacuation cribs (cribs that would be used in a daycare environment and would facilitate evacuation of several children in the event of an emergency). Earlier it was proposed to allow an exemption to the requirement that all commercial cribs be designed to meet the evacuation requirements. This was sent to the subcommittee for ballot on 4/30/09, and the ballot results were reviewed at the 10/14/09 subcommittee meeting. The chairman of the Task Group on Wood Screws reported that no data had been provided to him by the Task Group members, so there was nothing to report at that time.

**Next Action** Staff will continue to provide technical assistance to the subcommittee and participate in the ASTM subcommittee meeting on 8/26/10.

**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** In order to complete new CPSC rules for full-size and non-full-size cribs by the end of 2010, the ASTM subcommittees stepped up their efforts to provide revised ASTM standards which could be incorporated by reference in the CPSC mandatory rules. CPSC staff participated in regularly scheduled full-size cribs subcommittee meetings on 10/14/09 and 3/15/10. In addition, the subcommittee held a special meeting at CPSC on 1/19-20/10. Further, a conference call was held on 2/10/10 to discuss the items that needed to be balloted. The subcommittee produced numerous proposals addressing factors identified by the CPSC staff as candidates for improvement and balloted those items for discussion at the 3/15/10 meeting.

**Next Action** Staff will continue to provide technical assistance to the subcommittee, keep the subcommittee informed of the progress of the proposed rule, participate in task group activities, and attend subcommittee meetings in the fall of 2010. Staff will continue evaluating proposals to address the hazards presented by crib hardware failures, slat breakage, accessory entrapment, general requirements, mattress support failures, improper assembly, climbing out, and harmonization of the standard with federal regulations.

<b>Product</b>	<b>Cribs (Non-Full-Size) and Play Yards</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To revise the ASTM <i>Standard Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards</i> (ASTM F406) to reduce the hazards associated with these products.
<b>Activities</b>	In order to complete new CPSC rules for full-size and non-full-size cribs by the end of 2010, the ASTM subcommittees stepped up their efforts to provide revised ASTM standards which could be incorporated by reference in the CPSC mandatory rules. CPSC staff participated in ASTM subcommittee meetings on 10/15/09 and 3/16/10. The subcommittee balloted and approved new provisions to address: cribs for commercial use, improper assembly, non-drop side hardware, and slat integrity. The subcommittee was also shown an inflatable play yard and decided to consider how such a product could be included in some standard.
<b>Next Action</b>	The CPSC staff will continue to provide technical assistance to the subcommittee, participate in task group activities, and participate in the subcommittee meeting on 8/26/10. Staff will continue evaluating proposals to address the hazards presented by hardware failures, slat breakage, accessory entrapment, improper assembly, and harmonization of the standard with federal regulations.
<b>Product</b>	<b>Drywall</b>
<b>Staff Contact</b>	Khanna, Rikki
<b>Purpose</b>	To develop a new ASTM <i>Standard Practice for Screening of Buildings Containing Gypsum Board for Sulfur Corrosion</i> (ASTM WK26072) to help inspectors identify corrosion associated with emissions from problem drywall.
<b>Activities</b>	CPSC staff reviewed draft four of the proposed standard. The draft standard relies on visual and olfactory evidence. Staff participated in the subcommittee conference call on 3/25/10 to provide comments. Participant suggestions were used to complete draft five. The final draft was submitted for the ballot process at the end of the reporting period.
<b>Next Action</b>	Participate in work group activities and review ballot results once they are available.
<b>Product</b>	<b>Fuel Tanks (Leakage)</b>
<b>Staff Contact</b>	Murphy, John
<b>Purpose</b>	To revise the ANSI/Outdoor Power Equipment Industry (OPIE) <i>Standard for Small Off-Road Ground-Supported Outdoor Power Equipment Gasoline Fuel Systems Performance Specifications and Test Procedures</i> (ANSI/OPEI B71.10-2008), as appropriate.
<b>Activities</b>	This standard addresses fire hazards associated with fuel leakage from fuel tanks

and fuel lines associated with gasoline driven outdoor power equipment with displacements under 1 liter, such as walk behind lawn mowers, ride-on mowers, and rototillers. A CPSC staff representative maintains a non-voting membership on the ANSI canvas list which reviews draft safety standards for these products. There was no activity during the reporting period.

**Next Action** The staff plans to provide comments on any proposed revision of the standard.

**Product** **Garage Door/Gate Operators**

**Staff Contact** Murphy, John

**Purpose** To revise 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 door operators which can result in death.

**Activities** The revised UL *Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems* (UL 325) was approved on 12/25/10. The revised standard includes new safety requirements addressing secondary inherent entrapment, provides new requirements for remote activation of garage door operators, and includes additional instructions for inclusion in user manuals.

**Next Action** To continue participation on and technical support to the UL Standards Technical Panel STP 325 as it considers future proposals for improvement of the UL 325 standard.

**Product** **Gasoline Containers**

**Staff Contact** Murphy, John

**Purpose** To revise the ASTM *Standard Specification for Determination of Child-Resistance of Portable Fuel Containers for Consumer Use* (ASTM F2517-09), the ASTM *Standard Specification for Portable Gasoline Containers for Consumer Use* (F852-08), and the ASTM *Standard Specification for Spill Resistant Fueling Systems for Portable Fuel Containers for Consumer Use* (ASTM F2234-08) to significantly reduce or eliminate fire and poisoning hazards associated with these products.

**Activities** The ASTM 15.10 Flammable Liquid Containers Subcommittee met at the CPSC on 3/31/10. The meeting included presentations by representatives of the Worcester Polytechnic Institute (WPI), Department of Fire Protection Engineering. The ASTM 15.10 Subcommittee had contracted with the WPI to study the propensity of gasoline within a gas container to ignite. The results of this study will be used to determine whether the ASTM F852 standard needs additional requirements to add flame arrestors to gasoline containers. The study should be completed in the summer of 2010.

**Next Action** To review the WPI study results, participate in ASTM 15.10 discussions in 10/10 on flame arrestors among other things, and continue to provide technical support to the ASTM 15.10 Subcommittee.

<b>Product</b>	<b>Generators (Portable)</b>
<b>Staff Contact</b>	Buyer, Janet
<b>Purpose</b>	To develop a revised UL <i>Standard for Portable Engine Generator Assemblies</i> (UL 2201) to reduce carbon monoxide (CO) deaths associated with portable generators.
<b>Activities</b>	A new UL <i>Standard for Portable Engine Generator Assemblies</i> (UL 2201) was published on 3/4/09. The standard included requirements for ground-fault circuit-interrupters on 125 volt circuits, receptacle protection from weather, and complete generator assembly protection to pass rain and sprinkler tests. Since the UL 2201 standard did not achieve consensus as an ANSI standard, UL hosted a Standards Technical Panel (STP) meeting on 3/2-3/10 to resolve outstanding issues. The goal was to achieve consensus and obtain ANSI approval of the UL 2201 standard. CPSC staff participated and pointed out that the standard still did not have requirements that directly addressed the major CO poisoning hazard. This hazard causes, by far, the most deaths associated with this product. Staff reminded the STP that the CPSC published an Advance Notice of Proposed Rulemaking (ANPR) directing the CPSC staff to investigate means to reduce the CO poisoning hazard associated with portable generators. It was reported to the STP that CPSC staff has made considerable progress in developing and testing low CO emission prototype generators and the preliminary test results were promising.
<b>Next Action</b>	In view of the continuing lack of progress in the voluntary standard development effort to address the major hazard of carbon monoxide poisoning, the staff will focus its efforts on monitoring the ongoing CPSC funded research and on preparing supporting information for a CPSC staff draft proposed rule. It is anticipated that the CPSC staff will propose a rule for Commission consideration when the prototype CO research is completed. The staff will continue to participate on the UL 2201 STP and will continue to strongly advocate that the standard address the CO poisoning hazard.
<b>Product</b>	<b>Heaters (Cabinet/Cylinder)</b>
<b>Staff Contact</b>	Khanna, Rik
<b>Purpose</b>	To provide technical support to the voluntary standard development and code activities to reduce the fire hazard associated with cabinet heaters and cylinders.
<b>Activities</b>	The ANSI/Z21 Technical Advisory Group (TAG) on Standards for Gas-Fired Unvented Heating Appliances reviewed revisions to the proposed <i>American National Standard For Propane-Fired Portable Heater Systems, Volume III Unvented Room Heaters For Outdoor Use and Indoor Use During Emergencies</i> . Revisions included requirements for construction, performance and manufacturing and production tests.
<b>Next Action</b>	The CPSC staff will continue to provide technical support to voluntary standards activities of the ANSI/Z21 TAG.

**Product**                    **Heaters (Electric)**

**Staff Contact**            Butturini, Randy

**Purpose**                      To revise the UL standards for electric heaters to reduce the risk of fire, including the UL *Standard for Electric Baseboard Heating Equipment* (UL 1042), the UL *Standard for Movable and Wall- or Ceiling-Hung Electric Room Heaters* (UL 1278), and the UL *Standard for Fixed and Location-Dedicated Electric Room Heaters* (UL 2021).

**Activities**                 A revised UL *Standard for Fixed and Location-Dedicated Electric Room Heaters* (UL 2021) was approved in 3/10. The revision added a requirement to use manual reset temperature limiting controls for most residential electric heaters. In addition, the revision included the use of audible alarms for heaters using auto reset temperature limiting controls.

**Next Action**              The CPSC staff will continue to provide technical support to the development of revised heater standards providing greater safety to consumers.

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

**Staff Contact**            Hall, Ian

**Purpose**                      To revise the ASTM safety standards and test methods for recreational helmets to improve safety.

**Activities**                 During the reporting period, the ASTM *Standard Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear* (ASTM F446-08) was in the process of being updated with respect to the test procedure for roll-off and strap elongation. Various recreational helmet standards were up for revision or reaffirmation.

**Next Action**              CPSC staff will monitor the development of updates to the ASTM F1446 headgear test method standard. In addition, staff will participate in the next ASTM subcommittee meeting in 5/10 and will continue to provide technical support to updating the ASTM F446-08 standard. Further, staff will monitor the development of a visor standard for equestrian headgear which may become applicable to bike helmet visors.

**Product**                    **Infant Bedding and Accessories**

**Staff Contact**            Edwards, Patty

**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) in order to make these products safer.

**Activities**                 Staff participated in the subcommittee meetings on 10/14/09 and 3/18/10. Topics of discussion included a pull test for bumper pad ties, the parameters of bumper pad safety, and methods to ensure that bumper pads can be affixed to a crib.

**Next Action** Staff will continue to provide technical assistance and incident data to the subcommittee and participate in subcommittee meetings in the fall of 2010.

**Product** **Infant Bouncers**

**Staff Contact** Edwards, Patty

**Purpose** To revise the ASTM *Standard Consumer Safety Specification for Infant Bouncer Seats* (ASTM F2167) to strengthen its safety provisions.

**Activities** CPSC staff participated in a 3/18/10 ASTM subcommittee meeting. The staff provided the ASTM subcommittee with incident data on falls from elevated surfaces. Data pertaining to rocker seats also was provided. Toy bar attachment performance requirements were under development, and a ballot clarifying “conspicuous” for warning labels was upheld by the subcommittee.

**Next Action** Participate in ASTM subcommittee meeting in the fall of 2010.

**Product** **Infant Carriers (Frame)**

**Staff Contact** Edwards, Patty

**Purpose** To assist in revisions to the ASTM *Standard Consumer Safety Specification for Frame Child Carriers* (ASTM F2549) to minimize the risk of injuries to occupants of infant frame carriers.

**Activities** The ASTM subcommittee maintaining and revising this standard was inactive during the reporting period.

**Next Action** Staff will participate in ASTM subcommittee meetings, when scheduled.

**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 minimize the risk of injuries to occupants.

**Activities** A revised ASTM *Standard Consumer Safety Performance Specification for Hand-Held Infant Carriers* (ASTM F2050-09) was approved on 12/15/09. The revision added a requirement that the handle must have an automatic lock and also added a revised openings requirement. CPSC staff participated in subcommittee meetings on 10/15/09 and 3/18/10. Topics discussed included the handle auto lock test and the lifting test fixture. Also at the 3/18/09 meeting, the task group reviewed the results of dynamic tests conducted by CPSC staff.

**Next Action** The task group analyzing dynamic test results will continue to strengthen safety requirements for handle locks. The staff will continue to provide technical

assistance to the subcommittee, participate on task groups, and attend subcommittee meetings in the fall of 2010. Staff will evaluate any proposals to address the fall hazards caused by breaking handles or handle locks.

**Product**                    **Infant Carriers (Soft)**

**Staff Contact**            Edwards, Patty

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

**Activities**                The ASTM subcommittee maintaining and revising this standard was inactive during the reporting period.

**Next Action**            The CPSC staff will participate in the activities of the ASTM subcommittee; however, there are no planned activities at this time.

**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**                CPSC staff participated in ASTM subcommittee meetings on 10/16/09 and 3/19/10. Topics discussed included injuries to adults stepping over gates, life cycle testing, slat strength, hinge breakage, and the location of corner tests.

**Next Action**            Staff will continue to provide technical assistance to the subcommittee and participate in subcommittee meetings in the fall of 2010.

**Product**                    **Infant Slings**

**Staff Contact**            Edwards, Patty

**Purpose**                    To develop a new ASTM *Standard Consumer Safety Specification for Infant Slings* to address suffocation and fall hazards associated with sling carriers.

**Activities**                CPSC staff participated in ASTM subcommittee meetings on 10/16/09 and 3/16/10. Staff sent a letter to ASTM urging the development of a safety standard for slings. The subcommittee reviewed proposed sections of a draft standard and the proper use of slings with regard to a recently released CPSC safety alert addressing slings. The subcommittee had task groups working on suffocation hazards, general requirements, terminology, performance requirements, test methods, labels, and warnings.

**Next Action**            Staff will continue to provide technical assistance to the subcommittee and participate in an ASTM subcommittee meeting on 8/28/10. Staff will continue to evaluate proposals to mitigate falls, suffocation risks, and misuses of slings.

<b><i>Product</i></b>	<b>Infant Swings</b>
<b><i>Staff Contact</i></b>	Edwards, Patty
<b><i>Purpose</i></b>	To revise the ASTM <i>Standard Consumer Safety Specification for Infant Swings</i> (ASTM F2088) to strengthen its safety provisions.
<b><i>Activities</i></b>	The revised ASTM <i>Standard Consumer Safety Specification for Infant Swings</i> (ASTM F2088) was approved on 11/1/09. The revision addressed an exemption for warning labels required on swings with mobiles. Staff attended ASTM subcommittee meetings on 10/13/09 and 3/19/10. On 9/2/09, a ballot was issued to exempt toy mobiles from the labeling requirements of the toy standard, if they attach solely to a swing. This proposal passed during the reporting period. A task group was appointed to review injury incidents. The task group reported on the results of that review at the subcommittee meeting on 3/19/10.
<b><i>Next Action</i></b>	Staff will continue to provide technical assistance to the subcommittee and participate in an ASTM subcommittee meeting on 8/25/10.
<b><i>Product</i></b>	<b>Infant Tubs</b>
<b><i>Staff Contact</i></b>	Edwards, Patty
<b><i>Purpose</i></b>	To develop a revised ASTM <i>Consumer Safety Specification for Infant Bath Tubs</i> (ASTM F2670) safety standard to address the drowning hazard associated with infant tubs.
<b><i>Activities</i></b>	A revised ASTM <i>Consumer Safety Specification for Infant Bath Tubs</i> (ASTM F2670) was approved on 3/15/10. Staff participated in subcommittee meetings on 10/13/09 and 3/18/10. Refinements were made to warning label requirements, test methods and the definition of a smooth surface. The subcommittee also considered the height of warning fonts and the EU directive to develop bathing aid requirements.
<b><i>Next Action</i></b>	Staff will continue to provide technical assistance to the subcommittee and participate in subcommittee meetings in the fall of 2010.
<b><i>Product</i></b>	<b>Infant Walkers</b>
<b><i>Staff Contact</i></b>	Edwards, Patty
<b><i>Purpose</i></b>	To revise the ASTM <i>Standard Consumer Safety Performance Specification for Infant Walkers</i> (ASTM F977) to strengthen its safety provisions.
<b><i>Activities</i></b>	A revised ASTM <i>Standard Consumer Safety Performance Specification for Infant Walkers</i> (ASTM F977-09) was approved on 11/1/09. It contained refinements to the general safety requirements and the stair fall test. Staff participated in subcommittee meetings on 10/13/09 and 3/18/10.



**Next Action** Staff will continue to provide technical assistance to the subcommittee and participate in subcommittee meetings in the fall of 2010. Staff will evaluate concerns about test method validity expressed by the subcommittee members.

**Product** **Ladders**

**Staff Contact** Caton, Tom

**Purpose** To provide technical support to the ANSI A14 Subcommittee for Ladder Safety and Ladder Standards. The standards within this subcommittee's scope of responsibility include: *Wood Ladders* (ANSI A14.1), *Portable Metal Ladders* (ANSI A14.2), *Job Made Wooden Ladders* (ANSI A14.4), *Portable Plastic Reinforced Ladders* (ANSI A14.5), *Portable Special Duty Ladders* (ANSI A14.10), *Mobile Ladder Stands and Mobile Ladder Stand Platforms* (ANSI A14.7) and *Safety Requirements for Disappearing Attic Stairways* (ANSI-ASC A14.9-2010).

**Activities** A proposed revision of the ANSI *Safety Requirements for Disappearing Attic Stairways* (ANSI-ASC A14.9-2010) standard was issued for public review and comment on 3/1/10 and for ANSI A14 Committee ballot due 4/2/10. The proposed revised standard included: (1) a revised title of the standard "Ceiling Mounted Disappearing Climbing Systems", (2) requirements for lumber grades in construction of wooden ladders, (3) revised engineering calculations for lumber grades and sizes, (4) editorial changes to simplify and clarify language, and (5) revised figures to include dimensional detail.

**Next Action** The CPSC staff will monitor the ANSI subcommittee activities and will provide appropriate technical support.

**Product** **Lighters, Cigarette**

**Staff Contact** Khanna, Rik

**Purpose** To provide technical support to the maintenance and revision of the ASTM *Standard Consumer Safety Specification for Lighters* (ASTM F400) and the ASTM *Standard Consumer Safety Specification for Utility Lighters* (ASTM F2201 - 02<sup>e</sup>1) in order to improve product safety.

**Activities** CPSC staff proposed changes to the lighter standards in order to clarify safety provisions and to have uniform wording for all lighter standards.

**Next Action** The CPSC staff will provide comments on proposed standards revisions when the drafts are available.

**Product** **Mattresses**

**Staff Contact** Tenney, Allyson

**Purpose** To assist in the development of an ISO standard for Mattress Flammability based

on the test method specified in CPSC's Standard for the Flammability (Open-Flame) of Mattress Sets (16 CFR Part 1633).

**Activities** Development of the standard was approved as an ISO New Work Item Proposal (NWIP) in 10/08. A Working Draft (WD) was issued for comment; comments were discussed at a 6/09 meeting. A revised WD was balloted for three months with a closing date of 10/18/09. Comments were discussed at a 10/09 meeting. A revised Draft International Standard (DIS) was balloted with a closing date of 7/26/10.

**Next Action** Comments, if any, received from the DIS ballot will be discussed at an 11/10 meeting.

**Product** **Mowers**

**Staff Contact** Murphy, John

**Purpose** To provide technical support to the maintenance and revision of the ANSI *Standard for Consumer Turf Care Equipment –Walk-Behind Mowers and Ride-On Machines with Mowers –Safety Specifications* (ANSI/OPEI B71.1-2003) to reduce consumer injuries.

**Activities** Hazards associated with mowers include the mower backing over or running forward over a person resulting in laceration injuries from blade contact. An additional hazard is caused by a mower rolling over on the user creating crushing injuries. The CPSC staff maintained a non-voting membership on the ANSI canvas list of those who review proposed changes to the standard. There was no activity during the reporting period.

**Next Action** The staff will provide comments as appropriate on proposed revisions to the standard.

**Product** **National Electrical Code**

**Staff Contact** Lee, Doug

**Purpose** To revise the safety provisions of the National Fire Protection Association's *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 NFPA's code making meeting in 12/09 for NEC Panel 2 (branch circuits and feeders) and Panel 17 (appliances and swimming pools). The CPSC staff proposal to remove the exception for appliances not easily moved on ground-fault circuit interrupter protected branch circuits for manufactured housing was unanimously upheld at the comment stage. The CPSC staff proposal to extend dwelling unit requirements for arc-fault circuit interrupter protection to manufactured housing was unanimously accepted at the proposal stage.

**Next Action** Participate in code making panel meetings in 6/10 to ratify the NEC.

**Product**                    **Off-Road Vehicles (ROVs and MUVs)**

**Staff Contact**           Paul, Caroleene

**Purpose**                    To develop a new ANSI/Recreational Off-Highway Vehicle Association (ROHVA) safety standard for the equipment, configuration, and performance requirements of recreational off-highway vehicles (ROVs). To develop a new ANSI/Outdoor Power Equipment Institute (OPEI) safety standard for multipurpose off-highway utility vehicles (MOHUVs)

**Activities**                A new ANSI/ROHVA 1-200X standard was approved by ANSI on 3/5/10. Prior to the final approval of the standard, CPSC staff advised ROHVA that the draft requirements did not adequately address lateral stability, vehicle handling, or occupant retention and protection. CPSC awarded a contract to test and evaluate ROV metrics and handling to SEA LTD on 12/31/09. Shortly after the approval of the standard on 3/5/10, ROHVA announced on 3/9/2010 that it initiated the ANSI process for revising the ANSI/ROHVA 1-200X standard. At the end of the reporting period, CPSC staff was in the process of writing contracts for testing and evaluation of ROV occupant retention and protection.

CPSC staff met with members of the ANSI/OPEI B71.9 Utility Vehicles Committee on 3/4/10 to discuss that committee's development of a voluntary standard for multipurpose off-highway utility vehicles (MOHUVs). Discussions included static stability, tilt table tests, and vehicle handling characteristics. A CPSC staff representative is providing technical support to the development of the draft OPEI B7.9 -200X safety standard for MOHUVs.

**Next Action**            The CPSC staff will continue to provide technical support to the development of the ANSI/ROHVA ROV standards and ANSI/OPEI MOHUV standards.

**Product**                    **Phthalates**

**Staff Contact**           Dreyfus, Mathew

**Purpose**                    To develop a new ASTM *Standard Test Method for Determination of Low Levels of Phthalates in Poly (Vinyl Chloride)Products* (ASTM WK25759) to validate the current CPSC staff phthalate test method and integrate alternative approaches which can lead to a universally accepted methodology.

**Activities**                CPSC staff analyzed polyvinyl chloride (PVC) custom made samples with known quantities of the six phthalates prohibited by the CPSIA (standards contained either 0, 0.04, 0.1, or 2% of each of the six prohibited phthalates) multiple times to gain an understanding of any limitations of the technique. Some adjustments to the CPSC method were tested in an attempt to maximize sensitivity. The workgroup began producing the framework of a test method, but a particular procedure was not agreed upon by the end of the reporting period.

**Next Action**            The CPSC staff will participate in a conference call to help determine an effective test procedure. The goal is to finalize and publish a test method in the fall of 2010.

<b><i>Product</i></b>	<b>Playground Equipment (Children &lt;2 Years)</b>
<b><i>Staff Contact</i></b>	Nesteruk, Hope
<b><i>Purpose</i></b>	To revise the ASTM <i>Standard Consumer Safety Performance Specification for Public Use Play Equipment for Children 6 Months to 23 Months</i> (ASTM F2373) to reduce injuries. Such equipment often is found in childcare facilities.
<b><i>Activities</i></b>	CPSC staff monitored ASTM Subcommittee F15.44 activities. At the 12/7-10/09 subcommittee meeting, CPSC staff discussed differences between ASTM standards and CPSC staff's <i>Public Playground Safety Handbook</i> . CPSC staff was drafting a letter addressing these differences at the end of the reporting period.
<b><i>Next Action</i></b>	Participate in ASTM subcommittee meeting in 5/10.
<b><i>Product</i></b>	<b>Playground Equipment (Home)</b>
<b><i>Staff Contact</i></b>	Nesteruk, Hope
<b><i>Purpose</i></b>	To revise the ASTM <i>Standard Consumer Safety Performance Specification for Home Playground Equipment</i> (ASTM F1148) to strengthen its safety provisions.
<b><i>Activities</i></b>	CPSC staff participated in the 12/8/09 meeting of the F15.09 Subcommittee. CPSC staff announced the release of the 2009 playground injury report ( <i>Injuries and Investigated Deaths Associated with Playground Equipment, 2001-2008</i> ). Other issues discussed at the meeting included ballot results and warning labels.
<b><i>Next Action</i></b>	Participate in ASTM subcommittee meeting in 5/10.
<b><i>Product</i></b>	<b>Playground Equipment (Public)</b>
<b><i>Staff Contact</i></b>	Nesteruk, Hope
<b><i>Purpose</i></b>	To revise the ASTM <i>Standard Consumer Safety Performance Specification for Public Playground Equipment</i> (ASTM F1487) to strengthen its safety provisions.
<b><i>Activities</i></b>	At the 12/7-10/09 subcommittee meeting, CPSC staff met with the subcommittee to discuss differences between ASTM standards and CPSC staff's <i>Public Playground Safety Handbook</i> . CPSC staff was currently working on a letter addressing these differences. Other issues discussed at the meeting included hot play surfaces, warning signs for playgrounds, ballot results, and reports by several working groups (accessibility, entrapment and falls, materials, signage, age grouping, terminology, and sight lines). CPSC staff announced the release of the 2009 playground injury report ( <i>Injuries and Investigated Deaths Associated with Playground Equipment, 2001-2008</i> ). The subcommittee chairman asked CPSC staff to assist in development of warning signage for playgrounds.
<b><i>Next Action</i></b>	Participate in ASTM subcommittee meeting in 5/10.

**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 eliminate or significantly reduce deaths and injuries from power tools.

**Activities**                CPSC staff monitored voluntary standard activities relating to table saws during the reporting period. The staff recommended minor editorial and clarification revisions to the voluntary standard for table saws, *Stationary and Fixed Electric Tools Standard*. (UL 987).

**Next Action**            The staff will continue to monitor and provide technical support for substantial revisions of the UL safety standard and will focus on reducing injuries associated with table saws.

**Product**                    **Ranges (Tipover)**

**Staff Contact**            Lee, Arthur

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

**Activities**                On 9/21/09, CPSC staff provided recommendations in response to the UL Bulletin dated 8/7/09 entitled *Request for Comments on the Proposed Requirements to Improve Consumer Awareness and Installation Practices Relative to Range Stability*. On 3/19/10, the Standards Technical Panel (STP) for the UL 858 standard Editon15 recirculated for comments on: (1) the proposed requirements to improve consumer awareness (2) installation practices relative to range stability, and (3) the electronic media instructions. Staff completed testing to support task group activities on range tipovers and is drafting a report on the work.

**Next Action**            Review and provide comments on the proposed range safety requirements to the UL 858 STP. Present findings from CPSC staff testing to the UL STP for comments.

**Product**                    **Scooters, Motorized**

**Staff Contact**            Amodeo, Vince

**Purpose**                    To provide technical assistance to the ASTM F15.58 Powered Scooters and Skateboards Subcommittee to reduce deaths and injuries associated with falls from motorized scooters.

**Activities**                CPSC staff continued to monitor incident data for motorized scooters in order to assess the adequacy of the current voluntary standard. During the reporting period, there was no subcommittee activity.

**Next Action**            To monitor ASTM F15.58 activity and provide technical support, as appropriate.

**Product**                    **Shopping Carts**

**Staff Contact**            White, Sharon

**Purpose**                    To revise the ASTM *Standard Consumer Safety Performance Specification for Shopping Carts* (ASTM F2372) to reduce injuries to children associated with falls from shopping carts.

**Activities**                CPSC staff was requested prior to the reporting period to review and comment on proposed revisions to a warning label for shopping carts. The proposed warning label revisions included adding language to prohibit the use of personal infant carriers on shopping carts and adding a Spanish language text on the warning label. Staff was requested to review and comment on the inclusion of a prohibition of the use of personal infant carriers on shopping carts to be placed on a separate warning poster and/or in some type of safe-use bulletin made available within retail stores. The resultant material was under review by the ASTM subcommittee during the reporting period. CPSC staff provided updated injury data to assist in the analysis of injuries.

**Next Action**            Submit staff comments regarding proposed changes to the warning label required in the standard, and continue to collect and analyze injury data.

**Product**                    **Smoke Alarms**

**Staff Contact**            Lee, Arthur

**Purpose**                    To revise the UL *Standard for Single- and Multiple-Station Smoke Alarms* (UL 217) to improve consumer safety.

**Activities**                CPSC staff participated in two UL 217 task groups (nuisance alarms and markings) to address improvements to the standard for smoke alarms. Staff completed testing to support task group activities on nuisance alarms and posted its report on the CPSC website. Staff presented information on the testing at the National Fire Protection Association (NFPA) 2010 Suppression and Detection Conference on 2/18/10.

**Next Action**            To participate in UL 217 task group activities by proposing changes to the UL 217 standard and thereby improving consumer safety.

**Product**                    **Soccer Goals**

**Staff Contact**            Vince Amodeo

**Purpose**                    To reaffirm the ASTM *Standard Safety and Performance Specification for Soccer Goals* (ASTM 2056-09) and to provide technical assistance to the ASTM F15.43 Soccer Goal Safety Subcommittee which develops and maintains safety standards to reduce the hazard of soccer goals tipping over on players.

**Activities**                The ASTM *Standard Safety and Performance Specification for Soccer Goals*

(ASTM 2056-09) was reaffirmed on 9/1/09. CPSC staff continued to monitor incident data for soccer goals in order to assess the adequacy of the current voluntary safety standard.

**Next Action** To continue technical assistance to the ASTM F15.43 Subcommittee, as appropriate.

**Product** **Sprinklers**

**Staff Contact** Khanna, Rik

**Purpose** To provide technical support and monitor National Fire Protection Association (NFPA) Residential Sprinkler Systems standards NFPA 13D and NFPA 13R.

**Activities** Staff monitored proposed revisions to residential sprinkler systems standards. No actions or comments were proposed by staff during the reporting period.

**Next Action** To provide technical assistance in the revision of the two NFPA standards, as appropriate.

**Product** **Strollers**

**Staff Contact** Edwards, Patty

**Purpose** To revise the ASTM *Standard Consumer Safety Specification for Carriages and Strollers* (ASTM F833) to strengthen the safety provisions.

**Activities** CPSC staff participated in subcommittee meetings on 10/15/09 and 3/17/10. Several refinements to the standard were balloted and the preliminary results were reviewed but not approved because the ballot had not closed at the time of the subcommittee meeting. Proposed refinements covered attachment points, rotating seats, and warning symbols.

**Next Action** The CPSC staff will continue to provide technical assistance to the subcommittee and participate in subcommittee meetings in the fall of 2010.

**Product** **Swimming Pools and Spas**

**Staff Contact** Kumagai, Mark

**Purpose** To (1) monitor the revision of the American Society of Mechanical Engineers (ASME) standard for drain covers, *Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs* (ANSI/ASME A112.19.8), to address entrapment/entanglement incidents and (2) to develop or revise Association of Pool and Spa Professionals (APSP) performance standards for swimming pool, spa, and hot tub construction to reduce injuries and drowning.

**Activities** CPSC staff participated in meetings of the ANSI/ASME A112.19.8 project team on 6/09 and the ASME A112.19.17 crossover team on 8/09 to discuss revisions to the standard and preparations to move both the 19.8 outlet cover and 19.17 safety vacuum release system (SVRS) standards from ASME oversight to the Association

of Pool and Spa Professionals (APSP) and the International Association of Plumbing and Mechanical Officials (IAPMO). Proposed revisions to the standards include adding definitions, clarifying language, and refining the test procedure to insure consistent test results between certifying laboratories.

**Next Action** Participate in standard development meetings and continue to monitor ASME, APSP, and IAPMO activities.

**Product** **Toys**

**Staff Contact** Amodeo, Vince

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

**Activities** Staff participated in ASTM subcommittee meetings on 9/17/2009 and 11/11/2009. In addition, it participated in several working group teleconference meetings for projectile toys. ASTM toy safety working group activities included discussions on projectile toys, batteries in toys, magnets in toys, plastic film, stability of ride-on-toys, teethers, and crib toys.

**Next Action** Participate in working group activities; participate in the ASTM subcommittee meeting in 5/10.

**Product** **Treestands**

**Staff Contact** Lee, Arthur

**Purpose** To provide technical support for the development of new or revised standards for hunting treestands and associated equipment to reduce hazards to consumers.

**Activities** Staff completed testing to support activities on treestands and was drafting a report of its work at the end of the reporting period.

**Next Action** The CPSC staff will monitor ASTM subcommittee activities and provide technical support, as appropriate. The staff will present its findings from the testing to the ASTM subcommittee for comments.