



UNITED STATES  
CONSUMER PRODUCT SAFETY COMMISSION  
4330 EAST WEST HIGHWAY  
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**Memorandum**

Date: **SEP - 7 2011**

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

SUBJECT : Voluntary Standards Activities FY 2011 Midyear Report

Attached is the U.S. Consumer Product Safety Commission staff's Voluntary Standards Activities FY 2011 Midyear Report (September 2010 – March 2011), which is forwarded for your information. If you have any questions, please call Colin Church at 301-504-7245.

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COMMISSION.

ATTACHMENT:

## **Voluntary Standards Activities 10/1/10–3/31/11**

### **SUMMARY**

Eleven 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, 2010 to March 31, 2011. These addressed bed rails, bicycles (two standards), chairs (youth folding), cribs (full-size), cribs (non-full-size), garage door/gate operators, generators (portable), infant swings, and swimming pools and spas (two standards).

In total, from October 1, 2010 to March 31, 2011, CPSC staff provided technical support or monitored the development of 59 voluntary safety standards activities, which are included 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 were 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 developed using the procedures of these groups 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 and its subcommittees to fulfill certain requirements of the CPSIA. 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 more stringent than these voluntary standards if the Commission determines 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, 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, must examine and assess the effectiveness of any voluntary consumer product safety standards for the relevant durable infant and toddler product. The ASTM subcommittees are comprised of consumers, juvenile product manufacturers, independent child product engineers and experts, and may include other interested stakeholders.

ASTM subcommittees developed and maintained voluntary safety standards for durable infant and toddler products, as well as other products. Selected subcommittees, with input from CPSC staff,

sought to develop revised voluntary safety standards that 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) into CPSC mandatory standards. Cooperative activities between 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 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. Information from CPSC staff was developed by the Office of Hazard Identification and Reduction to prepare the report. This 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 2011 Midyear Report (October 2010–March 2011)*.

## **PUBLIC PARTICIPATION AND COMMENT**

During the reporting period, CPSC staff continued 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 website ([www.cpsc.gov](http://www.cpsc.gov)) to allow for public review and comment.

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

Maintenance of the CPSC website continued to make it easier for users to find more extensive information on voluntary consumer product safety standards. Through the CPSC website, users were able to access the computer search engines of the three major standards organizations (ANSI, ASTM International, and UL) that handle 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 2011 MIDYEAR REPORT  
(October 2010–March 2011)**



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

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

***VOLUNTARY STANDARDS  
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, 2010 through March 31, 2011, 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.

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***CPSC Staff Voluntary Standards Activities  
FY 2011 Midyear Report  
(October 2010–March 2011)***

<b><i>Product</i></b>	<b>Activity Centers, Stationary</b>
<b><i>Staff Contact</i></b>	Edwards, Patty
<b><i>Purpose</i></b>	To revise the ASTM International (ASTM) <i>Standard Consumer Safety Specification for Stationary Activity Centers</i> (ASTM F2012) to strengthen its safety provisions.
<b><i>Activities</i></b>	CPSC staff participated in a subcommittee meeting on 11/11/10. The subcommittee discussed and balloted requirements addressing: (1) hazards associated with activity centers that can rotate around a central post; and (2) a change to the seat tilt test to account for rotating seat stationary activity centers. A negative ballot was resolved and new language proposed for the motion resistance test.
<b><i>Next Action</i></b>	Continue to provide technical assistance to the subcommittee and participate in the next subcommittee meeting on 4/14/11.
<b><i>Product</i></b>	<b>Air Cleaners (Ozone Generation)</b>
<b><i>Staff Contact</i></b>	Thomas, Treye
<b><i>Purpose</i></b>	To review and provide technical assistance for the implementation and revision of the American National Standards Institute (ANSI)/Underwriters Laboratories Inc. (UL) <i>Standard for Electrostatic Air Cleaners</i> (ANSI/UL 867 Section 37) to improve consumer safety.
<b><i>Activities</i></b>	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. CPSC staff continued to participate in the UL working group maintaining the ANSI/UL <i>Standard for Electrostatic Air Cleaners</i> (ANSI/UL 867). During the reporting period, preparations were made for implementation in California of testing requirements found in the ANSI/UL 867 standard. The testing requirements limit the ozone emitted from indoor air cleaning devices. The implementation of the California testing requirements resulted in efforts to update the UL 867 standard.
<b><i>Next Action</i></b>	Monitor California implementation of the ANSI/UL 867 standard testing requirements 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 developed and maintained by 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. CPSC staff reviewed ballots on standard practices for amusement ride terminology, design, manufacture, railways, water-related rides and devices, and hydraulic systems.

**Next Action**             CPSC staff will continue to monitor ASTM F24 standard development activities 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**                A ballot of a proposed revision to the *Standard Consumer Safety Specification for Bassinets and Cradles* (ASTM F2194-10) closed 10/10/11. The ballot contained 10 separate items. Staff participated in a subcommittee meeting on 11/8/10, in which the ballot results were discussed. Ten ballots were discussed involving the scope of the standard, terminology, the rocking/swinging rest angle, calibration, the enclosed opening test for fabric sided bassinets, static load and stability, warnings, double action release mechanisms, occupant restraints, and illustrations. The subcommittee was unable to discuss all of the items on these ballots due to time constraints. Under new business, a member expressed concern that the 1-inch limitation on mattress thickness could lead to the use of added padding in bassinets. A task group was formed to evaluate this concern. An administrative negative vote was placed on the ballots and later removed in 1/11. Unpersuasive negatives were sent to ballot on 2/22/11.

**Next Action**             Staff will participate in the next ASTM subcommittee meeting on 4/13/11, at which time the prior ballot results will be reviewed. It is anticipated that the revised standard will be published in 5/11.

<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 incidents and the hazards associated with climbing out of infant bath seats.
<b>Activities</b>	Staff participated in a subcommittee meeting on 11/10/10. The subcommittee discussed the results of a ballot that attempted to harmonize the voluntary standard with a developing CPSC regulation and made minor revisions to the language to increase consistency.
<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. Staff plans to participate in the next ASTM subcommittee meeting on 4/13/11.

<b>Product</b>	<b>Batteries, Button Cell</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>	<p>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) and <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); (4) ASTM International <i>Standard Consumer Safety Specification for Toy Safety</i> (ASTM F963); and the <i>Standard for Audio, Video, and Similar Electronic Apparatus—Safety Requirements</i> (UL 60065).</p> <p>As part of 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 ASTM working group meetings and teleconferences on 10/27/10, 11/3/10, 1/21/11, and 1/31/11 to further refine draft requirements for high energy batteries (fire), sealed compartments (explosion), and button cells (ingestion). Staff worked with task groups to prepare the draft requirements for balloting. CPSC staff continued to participate in ANSI/NEMA C18 activity involving fire and ingestion hazards, potential requirements, and certification of batteries used in toys. On</p>

3/16/11, Chairman Tenenbaum wrote to the presidents and CEOs of Underwriters Laboratories, Inc. (UL) and the Consumer Electronics Association (CEA) to seek assistance with the CPSC's efforts to reduce injuries and deaths associated with button cell batteries.

<b><i>Next Action</i></b>	Participate in ASTM subcommittee meetings to review ballot results. Work with UL, CEA, and other standards groups to draft new ingestion hazard requirements for button cell batteries.
<b><i>Product</i></b>	<b>Bed Rails</b>
<b><i>Staff Contact</i></b>	Edwards, Patty
<b><i>Purpose</i></b>	To revise the ASTM <i>Standard Consumer Safety Specification for Bed Rails</i> (ASTM F2085) to strengthen its safety provisions.
<b><i>Activities</i></b>	The revised ASTM <i>Standard Consumer Safety Specification for Bed Rails</i> (ASTM F2085-10a) was approved on 10/1/10. Staff participated in subcommittee meetings on 11/12/10 and 1/13/11. CPSC staff asked the subcommittee on 11/12/10, to address the likelihood of consumers assembling a bed rail incorrectly and in a manner that could create hazards. The subcommittee generally felt that the standard could not address incorrect assembly because it is difficult to create a test specification for it. On 1/13/11, CPSC staff presented a proposed requirement to define critical components and misassembly. Staff also showed prototype bed rails that met the criteria. A ballot containing requirements identical to staff's recommendations was issued in late 2/11.
<b><i>Next Action</i></b>	Participate in the next ASTM subcommittee meeting on 4/13/11, at which the results of the 2/11 ballot will be discussed. Staff will continue to provide technical assistance to the subcommittee and keep the subcommittee informed of the progress of a proposed CPSC rule.
<b><i>Product</i></b>	<b>Beds, Bunk</b>
<b><i>Staff Contact</i></b>	Smith, Tim
<b><i>Purpose</i></b>	To revise the ASTM <i>Standard Consumer Safety Specification for Bunk Beds</i> (ASTM F1427), as necessary, to address hazards associated with bunk beds.
<b><i>Activities</i></b>	CPSC staff participated in an ASTM F15.30 Bunk Bed Subcommittee meeting on 11/9/10. Staff's primary role in this meeting was to discuss a petition submitted to the CPSC that was docketed in 6/10. The petition requested that the CPSC initiate rulemaking to revise the mandatory Bunk Bed Standard to incorporate testing requirements for head and neck entrapment in spaces created by side structures, such as ladders, which are provided with the bunk bed.

<b><i>Next Action</i></b>	The ASTM F15.30 Bunk Bed Subcommittee formed two task groups in response to the petition. The first task group was assigned to examine the petition and to provide recommendations to the subcommittee regarding how to proceed. The second task group was assigned to work on a new section of the ASTM F1427 standard to address ladder entrapments. Staff will continue to provide technical assistance and monitor ASTM subcommittee activities. Further, staff will evaluate proposals made by the task groups at a subcommittee meeting planned for 5/11.
<b><i>Product</i></b>	<b>Beds, Toddler</b>
<b><i>Staff Contact</i></b>	Edwards, Patty
<b><i>Purpose</i></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><i>Activities</i></b>	CPSC staff participated in a subcommittee meeting on 11/9/10. The subcommittee discussed the status of the federal rule and the resolution of negative votes on the latest voluntary standard ballot. A task group was formed to discuss how to define a "guardrail" and how to measure its height.
<b><i>Next Action</i></b>	Staff will continue to provide technical assistance to the subcommittee and participate in a subcommittee meeting on 4/13/11.
<b><i>Product</i></b>	<b>Bedside Sleepers</b>
<b><i>Staff Contact</i></b>	Lee, Doug
<b><i>Purpose</i></b>	To develop a new ASTM <i>Standard Consumer Safety Specification for Bedside Sleepers</i> to address various hazards associated with these products.
<b><i>Activities</i></b>	CPSC staff participated in ASTM subcommittee meetings and conference calls on 11/2/10, 11/9/10, 1/12/11, and 1/19/11. The subcommittee discussed the scope of the standard and side height requirements. Some members contended that bedside sleepers, by definition, have one side that is lower than the others, and they suggested that all sides of the product should be addressed by the standard. Staff participated in a task group to develop a response to this issue for a ballot vote. Staff also participated in a task group to refine the warning and instruction language addressing entrapment and suffocation.
<b><i>Next Action</i></b>	Staff will continue to provide technical assistance to the subcommittee and participate in the ASTM subcommittee meeting on 4/12/11. Staff will evaluate any new proposals addressing the scope or side heights.

<b><i>Product</i></b>	<b>Bicycles</b>
<b><i>Staff Contact</i></b>	Amodeo, Vince
<b><i>Purpose</i></b>	To develop new or revised ASTM safety standards to reduce or eliminate hazards associated with bicycles and bicycle components.
<b><i>Activities</i></b>	<p>The ASTM revised <i>Standard Specification for Condition 0 Bicycle Frames</i> (ASTM F2843-10) was approved on 10/1/10. The ASTM revised <i>Standard Specification for Condition 2 Bicycle Frames</i> (ASTM F2868-10) was approved on 10/1/10. On 12/30/10, the ASTM F08.10 committee issued ballots for the following draft standards:</p> <ol style="list-style-type: none"> <li>(1) Revision and renewal of ASTM <i>Test Methods for Bicycle Forks</i> (ASTM F2273-03), in which minor revisions were proposed to improve clarity. Item passed.</li> <li>(2) Revision and renewal of ASTM <i>Specification for Condition 3 Bicycle Forks</i> (ASTM F2274-03), in which the test load and the cycle count for the bending fatigue test were modified. Item passed.</li> <li>(3) A new ASTM <i>Standard Specification for Condition 1 Bicycle Forks</i>, which provides test load values for Condition 1 bicycle forks. Item passed.</li> <li>(4) A new standard for bicycle handlebar grips. One negative.</li> </ol>
<b><i>Next Action</i></b>	Participate in ASTM subcommittee meeting in 9/11.

**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**                 In 10/10, WCMA announced that it opened the revision process for ANSI/WCMA A100.1 with a *Second Provisional American National Standard for Safety of Corded Window Covering Products* and committed to minimizing the risks associated with free hanging operating cords, continuous loops, and bead chains in all window covering products. It stated that it would deliver a draft standard by 10/11. This was in response to the letter sent by the CPSC, Health Canada, and DG SANCO [European Commission] in 6/10, urging standards development organizations and manufacturers to create strong and comprehensive international safety standards for window coverings. To expedite the development of this next revision, WCMA established six working groups within its Technical Committee to work on developing the following: test for cord accessibility, test for the prevention of hazardous loops, wide operating cords, continuous loop, and bead chain products, operating cords, and labels and warnings. A WCMA standards steering committee was formed to lead the overall effort. CPSC staff facilitated the first stakeholders meeting that took place on 11/9/10. Staff participated in monthly steering committee meetings on 12/8/10, 1/26/11, and 2/17/11. CPSC staff received status updates and provided recommendations and data requested by the working groups. Staff also participated in the U.S./EU/Australia/Canada Product Alignment Initiative for Corded Window Coverings meeting on 2/24/11.

**Next Action**              Participate in the next WCMA steering committee meeting on 04/27/2011, and the international product alignment meeting, when scheduled.

**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 a subcommittee meeting on 11/11/10. The subcommittee resolved negative votes on the most recent ballot. A task group was formed to decide how to define the load needed for testing seat stability.

**Next Action**              Staff will participate in an ASTM subcommittee meeting on 4/14/11.

<b>Product</b>	<b>Candles</b>
<b>Staff Contact</b>	Tenney, Allyson
<b>Purpose</b>	To revise existing or develop new ASTM safety standards to eliminate or significantly reduce fire hazards associated with candles and candle products.
<b>Activities</b>	Tea light cup candle safety provisions were drafted and prepared for ballot. These provisions expanded the requirements to include secondary ignition and to expand the product scope to include other plastic candle containers. Additional provisions for expanding the scope and clarifying definitions of the candle accessory standard were being considered for ballot at the close of the reporting period. A formal review of the ASTM <i>Standard Guide for Terminology Relating to Candles and Associated Accessory Items</i> (ASTM F1972) was in process.
<b>Next Action</b>	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.
<b>Product</b>	<b>Chairs, High</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To revise the ASTM <i>Standard Consumer Safety Specification for High Chairs</i> (ASTM F404) to strengthen its safety provisions dealing with entrapment and falls.
<b>Activities</b>	CPSC staff participated in a subcommittee meeting on 11/10/10. The subcommittee discussed new proposed revisions to the standard, including clarification of the static load test, the stability test, and labeling requirements. The most recent recalls of high chairs were also discussed but were not deemed to require a revision. On 2/24/11, ballots were issued to revise the following sections: Section 6.8.5–Restraint Assembly Section 7.6.3–Tray Static Load Test Section 7.7–Stability Testing Section 8.2 & 8.3–Marking and Labeling
<b>Next Action</b>	Staff will continue to provide technical assistance to the subcommittee and participate in the next ASTM subcommittee meeting on 4/14/11, at which time the ballot results will be discussed.
<b>Product</b>	<b>Chairs, Youth (Folding)</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To revise the ASTM <i>Standard Consumer Safety Specification for Children’s Folding Chairs</i> (ASTM F2613) to reduce the hazards associated with these

products.

**Activities** The revised ASTM *Standard Consumer Safety Specification for Children's Folding Chairs* (ASTM F2613-10) was approved on 12/01/10. CPSC staff participated in a subcommittee meeting on 11/10/10. The subcommittee discussed revising the scope of the standard to include stools.

**Next Action** Staff will participate in the next subcommittee meeting on 4/14/11, and 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 a subcommittee meeting on 11/8/10. The subcommittee discussed a crib accessory that spans the top of the crib rails and formed a task group to develop revisions that address the hazards presented by rail-mounted changing tables. Another task group was formed to simplify the terms used to describe the "changing surface" to be consistent throughout the standard. The subcommittee also formed a different task group to evaluate the reported increase in changing table injuries.

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

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

**Staff Contact** Rea, Gregory

**Purpose** To monitor activities of the ASTM Subcommittee D10.32 Consumer, Pharmaceutical, Child-Resistant and Medical Packaging and provide the subcommittee with updates on any applicable CPSC regulatory activities.

**Activities** CPSC staff participated on the ASTM D10.32 subcommittee handling activities leading up to the imminent revision of the ASTM *Standard Classification of Child-Resistant Packages* (ASTM D3475). A new standard was being developed tentatively titled, *Standard Test Method for Torque Retention Using Automated Equipment* (ASTM D2063).

**Next Action** When the draft D2063 standard is released in late 2011, CPSC staff will evaluate this new method with the CPSC's automated torque testing equipment. Staff will participate in the next ASTM D10.32 meeting on 10/4/11.



**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 a subcommittee meeting on 11/9/10. The subcommittee discussed how to define an evacuation crib and how to identify one if a retrofit kit was available to strengthen a regular crib. A task group was formed to develop a proposal to address this issue. The task group met via conference call on 3/24/11, and discussed evacuation cribs.

**Next Action**              The task group will present a report at the next ASTM meeting in 4/11. CPSC staff will participate and continue to provide technical assistance.

**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**                 The revised ASTM *Standard Consumer Safety Specification for Full-Size Cribs* (ASTM F1169-10a) was approved on 12/1/10. Staff participated in a subcommittee meeting on 11/8/10. The subcommittee discussed how to clarify the side height requirements. A task group was formed to address potential conflicting language in the warnings requirements. Another task group was formed to define a protrusion on a corner post, such as a curved end panel decoration. Another task group was formed to clarify the language in the test method for toeholds.

**Next Action**              Staff will continue to provide technical assistance to the subcommittee and participate in the next meeting on 4/11/11. Staff has proposed having working sessions at future ASTM meetings to discuss the new mandatory standards and interpretation issues.

**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 revised ASTM *Standard Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards* (ASTM F406-10b) was approved on 12/1/10. Staff participated in

the ASTM meeting on 11/8/10. A revised standard, ASTM F 406-10b, was issued in 12/10, that contained all but one of the changes incorporated by the Commission into a new mandatory standard. Another ballot was issued in 2/11, to add other revisions to the play yard portion of the standard in accordance with staff recommendations regarding the upcoming CPSC notice of proposed rulemaking.

**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 4/11/11, during which the recent ballot results will be reviewed.

**Product** **Drywall**

**Staff Contact** Khanna, Rik

**Purpose** To develop a new *ASTM Standard Practice for Screening of Buildings Containing Gypsum Board for Sulfur Corrosion* (ASTM WK26072) to help inspectors identify corrosion associated with emissions from problem drywall and establish new requirements for elemental sulfur to conform to appropriate gypsum standards.

**Activities** On 10/12/10, CPSC staff requested the formation of technical working groups to address the material composition of and emissions from drywall. ASTM and UL agreed to form working groups to address these issues. In 11/10, CPSC staff participated in ASTM C11 subcommittee meetings and explained the basis for the CPSC staff request.

**Next Action** Participate in work group activities at the next ASTM C11 committee meeting in 5/11.

**Product** **Fuel Tanks (Leakage)**

**Staff Contact** Murphy, John

**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.

**Activities** This standard addresses fire hazards arising from 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 maintained a nonvoting membership on the ANSI canvas list, which reviews draft safety standards for these products. There was no activity during the reporting period.

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

**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**                A revised UL *Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems* (UL 325) was approved on 12/25/09. 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. UL circulated for comment, a preliminary review addressing requirements for safety edges. The comment period closed on 9/27/10.

**Next Action**             Continue participation on and provide 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 reduce significantly or eliminate fire and poisoning hazards associated with these products.

**Activities**                The ASTM 15.10 Flammable Liquid Containers Subcommittee met at the CPSC on 12/2/2010. The meeting included presentations by representatives of the Worcester Polytechnic Institute (WPI), Department of Fire Protection Engineering. The ASTM F15.10 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 subcommittee was working to resolve negative comments regarding the withdrawal of the ASTM F2234-08 standard. The standard is being considered for withdrawal, with no replacement, due to new U.S. Environmental Protection Agency (EPA) regulations regarding portable fuel containers.

**Next Action**             Review the WPI study results, participate in ASTM 15.10 discussions during the next conference call on flame arrestors, among other things, and continue to provide technical support to the ASTM F15.10 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 revised first edition of the UL <i>Standard for Portable Engine Generator Assemblies</i> (UL 2201) was issued on 2/28/11. Previously, UL issued proposals for nine changes to UL 2201, with a request for comments and ballots by 11/12/10. All of the proposed changes were a result of discussions at the UL Standard Technical Panel (STP) meeting held on 3/2-3/10. CPSC staff reviewed the proposals and commented on 11/12/10, regarding the recommendation to change the requirement for the gauge pressure applied in the internal pressure resistance test for fuel tanks from 20 psi to 5 psi. This change was recommended so the requirement would be more consistent with other standards that test fuel tanks at much lower pressures. Staff commented that the CPSC had issued recalls and had received complaints regarding leaking fuel tanks on portable generators, and they questioned whether this change, along with the other requirements in the standard for fuel tank tests, was sufficient to prevent the occurrence of these leaks. Consensus among the STP members was achieved for incorporating all of the proposed changes, and UL issued a revised first edition of UL 2201 on 2/28/11. On 3/15/11, UL issued a request for preliminary review and comment on three proposed changes in requirements to UL 2201. All three proposals concern making changes that will allow floating-neutral generators in the standard.
<b>Next Action</b>	On 3/15/11, UL issued a request for preliminary review and comment on three proposed changes in requirements to UL 2201. All three proposals concern making changes that will allow floating-neutral generators in the standard. CPSC staff will review the proposed changes, and, if appropriate, will provide comments. Comments are due by 4/12/11.
<b>Product</b>	<b>Helmets (Recreational)</b>
<b>Staff Contact</b>	Hall, Ian
<b>Purpose</b>	Revise the ASTM safety standards and test methods for recreational helmets to improve safety.
<b>Activities</b>	During the reporting period, the ASTM <i>Standard Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear</i> (ASTM F1446-08) was in the process of being updated by the subcommittee relative to the test procedures for roll-off and strap elongation. The subcommittee worked on adding a variable-mass headform to the ASTM F1446 standard. Additionally, the subcommittee worked on standardizing the labeling language. Various recreational helmet standards were up for revision or reaffirmation.

**Next Action** CPSC staff will monitor the development of and updates to the ASTM F1446 headgear test method standard. In addition, staff will participate in the next ASTM subcommittee meeting on 5/18–19/11, and will continue to provide technical support for updating the ASTM F1446-08 standard. CPSC staff will monitor the development of a visor standard for equestrian headgear, which may become applicable to bike helmet visors.

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

**Staff Contact** Edwards, Patty

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

**Activities** Staff participated in meetings of the subcommittee for inclined sleep products on 11/9/10 and 1/12/11. The subcommittee reviewed a draft standard. Both the warnings and the surface angle test were identified for revision.

**Next Action** CPSC staff will monitor the development of this draft standard and participate in an ASTM subcommittee meeting to be held in 4/11.

**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) to make these products safer.

**Activities** Staff participated in a subcommittee meeting on 11/8/10. The subcommittee discussed using a 20 lb minimum force for bumper ties and a definition of “pillow-like.” New products, such as slat covers and foam barriers, will be considered by a task group for inclusion in the scope of the standard. A revised requirement for bumper tie strength was balloted on 2/24/11.

**Next Action** Staff will continue to provide technical assistance and incident data to the subcommittee and participate in a subcommittee meeting in 4/11, at which the results of the ballot will be discussed.

**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** Staff participated in an ASTM subcommittee meeting on 11/10/10. Results of the new toy bar attachment performance requirements were resolved. New business included a discussion of hybrid bouncers and how to include them in the scope of the standard.

**Next Action** Participate in ASTM subcommittee meeting on 4/13/11.

**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 reduce 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 reduce the risk of injuries to occupants.

**Activities** Staff participated in subcommittee meetings on 11/11/10 and 1/13/11. The subcommittee discussed how to test an auto-locking handle and formed a task group to consider dynamic loads on handles. The wording to exclude bassinets also needed attention, and a task group was formed to develop language to exempt the requirement for restraints in this type of product. The chairman of the subcommittee reviewed incident data, including handle hardware failures, restraint strap failures, stability, and asphyxiations. A task group was formed to consider appropriate responses to these incidents and met on 3/23/11.

**Next Action** Staff will continue to provide technical assistance to the subcommittee, participate on task groups, and participate in the next subcommittee meeting on 4/14/11. The task group will focus on three areas: handle issues, falls, and restraint issues.

<b>Product</b>	<b>Infant Carriers (Soft)</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To revise the ASTM <i>Standard Consumer Safety Specification for Soft Infant Carriers</i> (ASTM F2236) to strengthen its safety provisions.
<b>Activities</b>	The revised ASTM <i>Standard Consumer Safety Specification for Soft Infant Carriers</i> (ASTM F2236-10) was approved on 12/1/10. Staff participated in a subcommittee meeting on 11/11/10. The status of the ballot to address warnings was reviewed, and new business included sling-type metal carriers. Members expressed concern that the adjustments needed to attain a proper fit with such products are excessive. The subcommittee requested a data search of incidents associated with this type of product.
<b>Next Action</b>	CPSC staff will participate in the next subcommittee meeting in 4/11.
<b>Product</b>	<b>Infant Gates</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To revise the ASTM <i>Standard Consumer Safety Specification for Expansion Gates and Expandable Enclosures</i> (ASTM F1004) to strengthen its safety provisions.
<b>Activities</b>	CPSC staff participated in an ASTM subcommittee meeting on 11/12/10. The subcommittee discussed how to learn more about adult tripping incidents, and a task group was formed to examine this hazard. A task group working on lifecycle testing reviewed the data associated with failures. Another task group reported on their proposal to use a 45 lb force for slat testing. The hinge breakage task group had made no progress. A proposal to clarify the language of the corner test was sent to ballot on 2/24/11.
<b>Next Action</b>	Staff will continue to provide technical assistance to the subcommittee and participate in the subcommittee meeting in 4/11.
<b>Product</b>	<b>Infant Slings</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To develop a new ASTM <i>Standard Consumer Safety Specification for Infant Slings</i> to address suffocation and fall hazards associated with sling carriers.
<b>Activities</b>	Staff participated in an ASTM subcommittee meeting on 11/12/10. The subcommittee discussed the order of testing in the draft and reordered the tests so

that destructive tests are last. The details of the static and dynamic load tests were debated, but they were left largely as proposed. The problem of how to test different sizes of slings was debated but put on the memory sheet for future evaluation. The task group for warnings was told to clarify the wording and include the recommendation to consult a pediatrician when using slings with premature infants. The consensus was to ballot the draft, which was done on 2/24/11.

**Next Action** Staff will participate in an ASTM subcommittee meeting in 4/11, at which time the ballot results will be reviewed.

**Product** **Infant Swings**

**Staff Contact** Edwards, Patty

**Purpose** To revise the ASTM *Standard Consumer Safety Specification for Infant Swings* (ASTM F2088) to strengthen its safety provisions.

**Activities** The revised ASTM *Standard Consumer Safety Specification for Infant Swings* (ASTM F2088-11) was approved on 2/1/11. The ASTM *Standard Consumer Safety Specification for Infant Swings* (ASTM F2088-11a) was approved on 2/15/11. Staff participated in ASTM subcommittee meetings on 11/12/10 and 1/13/11. The subcommittee discussed negative votes on the ballot addressing warnings. Other topics included the force needed to remove mobiles, as well as structural integrity and dynamic load testing. Staff presented information about seats falling off of swings, and a task group was formed to develop a new requirement to address fastener retention.

**Next Action** Staff will continue to provide technical assistance to the subcommittee and participate in an ASTM subcommittee meeting on 4/12/11.

**Product** **Infant Tubs**

**Staff Contact** Edwards, Patty

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

**Activities** Staff participated in a subcommittee meeting on 11/10/10. The subcommittee reviewed ballot results concerning warning requirements but made no further changes to the standard. A task group was formed to examine the stability of pod-type tubs.

**Next Action** Staff will continue to provide technical assistance to the subcommittee and participate in a subcommittee meeting on 4/13/11.



<b>Product</b>	<b>Infant Walkers</b>
<b>Staff Contact</b>	Edwards, Patty
<b>Purpose</b>	To revise the ASTM <i>Standard Consumer Safety Performance Specification for Infant Walkers</i> (ASTM F977) to strengthen its safety provisions.
<b>Activities</b>	Staff participated in a subcommittee meeting on 11/10/10. The subcommittee reviewed several differences between the CPSC mandatory standard, which was published on 6/21/10, and the ASTM standard.
<b>Next Action</b>	The subcommittee will send a ballot to align the voluntary standard with the mandatory rule. Staff will continue to provide technical assistance to the subcommittee and participate in the subcommittee meeting on 4/13/11.
<b>Product</b>	<b>Jewelry, Children's</b>
<b>Staff Contact</b>	Howe, Jason
<b>Purpose</b>	To develop a new ASTM <i>Children's Jewelry Safety Standard</i> to improve children's jewelry safety.
<b>Activities</b>	Staff involvement in the development of a new standard focused on provisions dealing with magnets and cadmium content in the metal substrate of children's jewelry. As proposed in the draft ASTM standard, magnets, as a component in children's jewelry, are limited in application, and require a warning label. Another proposal in the standard is that applicable jewelry products would not meet the standard if an excess of 200 micrograms of cadmium can be extracted in simulated stomach acid. A practical screening level of 300 parts per million cadmium content in metal was proposed as a safe alternative to the full extraction testing. CPSC staff prepared and publicly released the CPSC <i>Standard Operating Procedure for Determining Cadmium (Cd) Extractability from Children's Metal Jewelry, February 3, 2011</i> , (CPSC-CH-E1004-11).
<b>Next Action</b>	Continue to provide technical support to the ASTM F15.24 subcommittee and participate in the ASTM-initiated Inter Laboratory Study (ASTM ILS #0688) concerning the CPSC-CH-E1004-11 test method.
<b>Product</b>	<b>Ladders</b>
<b>Staff Contact</b>	Caton, Tom
<b>Purpose</b>	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: <i>Wood Ladders</i> (ANSI A14.1); <i>Portable Metal Ladders</i> (ANSI A14.2); <i>Job Made Wooden Ladders</i> (ANSI A14.4); <i>Portable Plastic Reinforced Ladders</i> (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).

**Activities** A task force was formed to explore the development of a ladder incident and data collection system, which will serve as a repository of information on ladder incidents. A task group project was initiated to develop an improved ladder incident form. The task group also investigated the reinstatement of a section on Data Gathering Forms that existed in the 1990 version of the A14 ladder standard.

**Next Action** Staff will monitor the ANSI subcommittee activities and will provide appropriate technical support at the task force and subcommittee meetings on 04/18–19/11.

**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 F400-04) and the ASTM *Standard Consumer Safety Specification for Utility Lighters* (ASTM F2201–10) to improve product safety.

**Activities** There was no activity during the reporting period.

**Next Action** Participate in an ASTM F15.02 subcommittee meeting on 6/8-9/11, at which time the group plans to consider, among other things: maximum vapor pressure for gas lighters, expansion of the two standards to include lighters with additional features and new technologies, issues related to child resistance, and novelty lighters.

**Product** **Mattresses**

**Staff Contact** Tenney, Allyson

**Purpose** To assist in the development of an International Organization for Standardization (ISO) standard for mattress flammability, based on the test method specified in the CPSC's *Standard for the Flammability (Open-Flame) of Mattress Sets* (16 CFR part 1633).

**Activities** Comments to a revised ISO Draft International Standard (DIS) were discussed at an 11/10 meeting. A Final Draft International Standard (FDIS) was being prepared for ballot at the end of the reporting period.

**Next Action** Ballot a final draft standard in 2011.

<b>Product</b>	<b>Monitors, Baby</b>
<b>Staff Contact</b>	Lee, Doug
<b>Purpose</b>	To develop a new ASTM voluntary safety standard to address strangulation hazards associated with the use of baby monitors.
<b>Activities</b>	Staff reviewed injury data associated with baby monitors and considered possible safety provisions to include in a voluntary safety standard.
<b>Next Action</b>	Staff will draft safety provisions and participate in a 4/11/11 ASTM organizational meeting to determine if ASTM will establish a subcommittee to develop a safety standard for baby monitors.
<b>Next Action</b>	<b>Mowers</b>
<b>Staff Contact</b>	Murphy, John
<b>Purpose</b>	To provide technical support to the maintenance and revision of the ANSI <i>Standard for Consumer Turf Care Equipment—Walk-Behind Mowers and Ride-On Machines with Mowers—Safety Specifications</i> (ANSI/OPEI B71.1-2003) to reduce consumer injuries.
<b>Activities</b>	Hazards associated with mowers include 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 on the user, creating crushing injuries. CPSC staff maintains a nonvoting membership on the ANSI canvas list of those who review proposed changes to the standard. OPEI circulated a proposed revised standard to the members of the ANSI canvas list on 3/1/11.
<b>Next Action</b>	Staff will provide comments on the proposed revisions to the standard, as appropriate.
<b>Product</b>	<b>National Electrical Code</b>
<b>Staff Contact</b>	Lee, Doug
<b>Purpose</b>	To revise the safety provisions of the National Fire Protection Association's (NFPA) <i>National Electrical Code</i> (NEC), NFPA 70, to reduce electrical fires and shock incidents associated with consumer products, including appliances, electrical equipment, and wiring products.
<b>Activities</b>	CPSC staff participated in the Fire Protection Research Foundation's (FPRF's) Nonlinear Loads project and the NM Cable project meetings. These FPRF projects

support research needed by the NEC and are analyzing data from nonlinear loading and arcing fires in Non-Metallic (NM) cable that could cause fire conditions in electrical wiring systems. Staff also participated in the Smartgrid Electrical Codes and Standards workshop on 3/14–15/11, to help standardize requirements enabling the rapid transition to the next generation of power distribution through the Smart Grid Initiative.

**Next Action** Staff will continue to support the Nonlinear Loads project and the NM Cable project in support of the NEC. In addition, staff will draft proposals for the 2014 NEC, which will improve consumer safety and reduce incidents with electrical products in and around the home.

**Product** **Off-Road Vehicles**  
**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** ROHVA

Staff met with ROHVA on 10/7/10 and 12/15/10, to discuss their proposals for dynamic vehicle testing and occupant protection performance requirements. ROHVA proposed a constant steer angle turn circle test on a paved surface to evaluate vehicle stability. ROHVA also proposed defining occupant protection zones and specifying either barrier design or vehicle tilt performance requirements for each of the zones.

Staff received a draft of the proposed *American National Standard for Recreational Off-Highway Vehicles* (ANSI/ROHVA 1-201X) on 12/22/10. The proposed standard introduced a dynamic stability test requirement and occupant protection performance requirements for ROVs. CPSC staff responded with a letter on 3/11/11, in which staff agreed with some aspects of the dynamic test methodology that was proposed in terms of vehicle instrumentation, data parameters, and paved test surface. Staff disagreed with the test protocol and pass/fail criteria. Staff recommended a J-turn-type dynamic test and reiterated staff's position that a test to measure the steering gradient is necessary for ROVs because oversteering is an undesirable vehicle steering characteristic. Lastly, staff expressed concern with the apparent lack of test and research work in developing the occupant protection performance requirements for ROVs. Staff recommended that ROVHA perform vehicle rollover simulation tests to develop performance-based occupant protection requirements for ROVs.

## OPEI

Staff met with OPEI on 11/02/10, to discuss their proposals for dynamic vehicle testing and occupant protection performance requirements. OPEI proposed a J-turn-type test on a paved surface to evaluate vehicle stability. OPEI also proposed seat belt reminders, side retention devices, and helmet use recommendations to address occupant protection in ROVs.

Staff received a second draft of the *American National Standard for Multipurpose Off-Highway Utility Vehicles* (ANSI/OPEI B71.9-20XX) on 01/11/11. The proposed standard introduced a dynamic stability test requirement and occupant protection performance requirements for multipurpose off-highway utility vehicles (MOHUVs). Staff agreed with many aspects of the dynamic test methodology proposed, particularly in terms of vehicle instrumentation, data parameters, paved test surface, and test maneuver. However, staff disagreed with the specific test condition and pass/fail criteria. Staff recommended a J-turn dynamic test with specific test conditions that directly measure the vehicle's lateral acceleration at rollover and reiterated staff's position that a test to measure steering gradient is necessary for ROVs because oversteering is an undesirable vehicle steering characteristic. Lastly, staff expressed concern with the weak occupant protection requirements proposed by OPEI and recommended that OPEI perform vehicle rollover simulation tests to develop performance-based occupant protection requirements for ROVs. A comment letter to OPEI was awaiting CPSC staff clearance at the end of the reporting period.

### ***Next Action***

Staff will continue discussions with ROHVA and OPEI regarding the development of improved voluntary safety standards for ROVs.

<b><i>Product</i></b>	<b>Phthalates</b>
<b><i>Staff Contact</i></b>	Dreyfus, Matt
<b><i>Purpose</i></b>	To develop a new ASTM <i>Standard Test Method for Determination of Low Levels of Phthalates in Poly (Vinyl Chloride) Products</i> (ASTM WK25759) to validate the current CPSC staff phthalate test method and integrate alternative approaches that can lead to a universally accepted methodology.
<b><i>Activities</i></b>	Staff participated in an ASTM D20 work group meeting in 11/10. The work group discussed merging methodologies, preliminary round robin results, and next steps. CPSC staff began drafting a revised test method.
<b><i>Next Action</i></b>	Continue to support the work group and finalize method parameters.
<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. Often this equipment is found in child care facilities.
<b><i>Activities</i></b>	There was no subcommittee activity during the reporting period.
<b><i>Next Action</i></b>	Continue to monitor the subcommittee's work. Participate in the next subcommittee meeting.
<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>	Staff monitored the activities of the ASTM F15.09 subcommittee. A brief meeting took place in 11/10. The subcommittee discussed the open ballot on a warning label; a work group continued work on tolerances; and a work group was formed to investigate thermal issues.
<b><i>Next Action</i></b>	Participate in ASTM subcommittee meeting in 5/11.

<b>Product</b>	<b>Playground Equipment (Public)</b>
<b>Staff Contact</b>	Nesteruk, Hope
<b>Purpose</b>	To revise the <i>ASTM Standard Consumer Safety Performance Specification for Public Playground Equipment</i> (ASTM F1487) to strengthen its safety provisions.
<b>Activities</b>	Staff monitored the activities of the F15.29 subcommittee and participated in the subcommittee meeting on 10/13/11. Staff followed the work of the signage task group and met with them to discuss ballot results on the warning and informational sign that was balloted. There were numerous negative ballots relating to the proposed language. The task group decided to withdraw the ballot and rework the signage language. The task group continued to work on the revised language. It balloted a significantly different signage section in late 12/10. Work continued regarding impact testing for swings and defining spacing for functionally linked play elements.
<b>Next Action</b>	Participate in the ASTM subcommittee meeting in 5/11.
<b>Product</b>	<b>Power Equipment (formerly Table Saws)</b>
<b>Staff Contact</b>	Paul, Caroleene
<b>Purpose</b>	To revise the <i>UL Standard for Stationary and Fixed Electric Tools</i> (UL 987) to eliminate or reduce significantly deaths and injuries from power tools.
<b>Activities</b>	Staff monitored voluntary standard activities relating to table saws during the reporting period. The staff posted the report, <i>Survey of Injuries Involving Stationary Saws – Table and Bench Saws 2007–2008</i> on the CPSC table saws voluntary standards Web page. The <i>Human Factors Evaluation of Technology Intended to Address Blade-Contact Injuries with Table Saws</i> report was in CPSC staff clearance and awaiting comment from the manufacturers referenced in the report.
<b>Next Action</b>	Approve the <i>Human Factors Evaluation of Technology Intended to Address Blade-Contact Injuries with Table Saws</i> report and publish it on the CPSC website.

**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**               From 11/10 to 1/11, staff posted the *Range Tipovers: An Evaluation of Range Tipovers* draft report on the CPSC website for comment and subsequently reviewed comments received.

**Next Action**           Finalize and post the final report. Present findings from CPSC staff testing to the UL standards technical panel for consideration.

**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**               Prior to the reporting period, staff was asked 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 asked to review and comment on the inclusion of a prohibition on 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 resulting material was reviewed by the subcommittee during the reporting period. 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. Staff will comment on the inclusion of a proposed warning message in a warning poster and/or a safe-use bulletin to be made available to retail stores. Staff will also consider how to further communicate safe use of shopping carts.



<b><i>Product</i></b>	<b>Smoke Alarms</b>
<b><i>Staff Contact</i></b>	Lee, Arthur
<b><i>Purpose</i></b>	To revise the <i>UL Standard for Single- and Multiple-Station Smoke Alarms</i> (UL 217) and the <i>National Fire Alarm and Signaling Code</i> (NFPA 72) to improve consumer safety.
<b><i>Activities</i></b>	Staff participated in two task groups. In 12/10, staff participated in a NFPA meeting addressing improvements to the 2013 edition of NFPA 72 standard, including provisions dealing with smoke alarms. In 2/2011, staff participated in a UL meeting dealing with smoke detector nuisance alarms.
<b><i>Next Action</i></b>	Participate in UL 217 task group activities by proposing changes to the UL 217 standard and thereby improve consumer safety. Participate in the NFPA 72 Report on Comments (ROC) 9/11 meeting, to improve the 2013 edition of the NFPA 72 safety standard.
<b><i>Product</i></b>	<b>Soccer Goals</b>
<b><i>Staff Contact</i></b>	Amodeo, Vincent
<b><i>Purpose</i></b>	To revise the <i>ASTM Standard Safety and Performance Specification for Soccer Goals</i> (ASTM 2056) and the <i>ASTM Standard Safety Specification for Special Tip-Resistant Movable Soccer Goals</i> (ASTM F2673) to reduce the hazard of soccer goals tipping over.
<b><i>Activities</i></b>	No ASTM F15.43 subcommittee activities occurred during this period.
<b><i>Next Action</i></b>	Staff will review a forthcoming proposed new standard that seeks to merge the ASTM F2673 and ASTM F2056 standards. This new standard will ensure that any size of soccer goal made to this new standard will meet a higher level of safety and also will be tip resistant. Additional requirements for protection against entrapment and protrusions will be added. Depictions and procedures will be expanded to ensure consistent testing.

<b><i>Product</i></b>	<b>Strollers</b>
<b><i>Staff Contact</i></b>	Edwards, Patty
<b><i>Purpose</i></b>	To revise the ASTM <i>Standard Consumer Safety Specification for Carriages and Strollers</i> (ASTM F833) to strengthen the safety provisions.
<b><i>Activities</i></b>	Staff participated in subcommittee meetings on 11/10/10 and 1/12/11. The subcommittee discussed recalls involving buckles on restraints and shear points on canopies. Task groups were assigned to develop proposals to address these hazards. How to address products made to fit on strollers from multiple manufacturers were also discussed without solutions. Revisions were prepared for balloting which dealt with: the restraining system test, warning font sizes, requirements for rotating seats, and strollers intended to mate with car seats. A review of incident data also was discussed, and a task group was formed to examine an incident involving a head entrapment between a car seat and the handle of a stroller. Other failures discussed included wheels detaching, buckle breakage, brake failures, car seat detachments, and handle detachments. Ballots relating to these issues were distributed on 2/24/11.
<b><i>Next Action</i></b>	Staff will continue to provide technical assistance to the subcommittee and participate in a subcommittee meeting on 4/12/11, at which time the ballot results will be reviewed.

<b>Product</b>	<b>Swimming Pools and Spas</b>
<b>Staff Contact</b>	Eilbert, Mark
<b>Purpose</b>	To provide technical support to 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 standards activities associated with the Virginia Graeme Baker Pool and Spa Safety Act (“Act”), which deals with swimming pool drain covers, swimming pool drain entrapment, and related matters.
<b>Activities</b>	<p><i>A new ASTM Standard Safety Performance Specification for Safe Design and Installation of Field Fabricated Suction-Limiting Vent Systems for Suction Entrapment Prevention in Swimming Pools, Spas, Hot Tubs, and Wading Pools (ASTM F2707) was approved on 11/1/10.</i></p> <p>The Act established the <i>Suction Fittings for Use in Swimming Pools, Wading</i> standard under the Consumer Product Safety Act. The sponsor of this standard, the American Society of Mechanical Engineers (ASME), announced its intent to withdraw the standard and its amendments. On 2/17/11, ANSI approved the <i>American National Standard for Suction Fittings for Use in Swimming Pools, Wading Pool, Spas, and Hot Tubs (ANSI/APSP-16-2011)</i>, which is essentially identical to the ASME A112.19.18-2007 standard with the 2008 and 2009 Addenda. The new standard is intended to become a successor standard to ASME A112.19.18-2007 with Addenda and is sponsored by the Association of Pool and Spa Professionals (APSP). APSP continued to revise the ANSI/APSP-16 2011 standard by proposing changes, including the addition of definitions and clarifying language and refining entrapment test procedures to ensure consistent product ratings among certifying laboratories. Staff participated in two subcommittee meetings during the reporting period.</p>
<b>Next Action</b>	Staff will conduct a meeting on 4/5/11, to receive views from all interested parties about the testing methods used to establish the ratings of pool and spa drain covers under the ASME/ANSI A112.19.8-2007 standard, the potential impact that variations of these test methods might have on the rating of pool and spa drain covers, and associated public health considerations. Staff also intends to continue to provide technical support to improve the ANSI/APSP-16-2011 standard.

<b><i>Product</i></b>	<b>Toys</b>
<b><i>Staff Contact</i></b>	Amodeo, Vince
<b><i>Purpose</i></b>	To revise the ASTM <i>Standard Consumer Safety Specification for Toy Safety</i> (ASTM F963) to strengthen its safety provisions.
<b><i>Activities</i></b>	Staff participated in an ASTM subcommittee meeting on 1/31/2011. In addition, staff participated in working group meetings for projectile and magnet toys. ASTM toy safety working group activities included: discussions on projectile toys, batteries in toys, magnets in toys, plastic film, ride-on-toy stability, teething, and crib toys.
<b><i>Next Action</i></b>	Participate in working group activities and the ASTM subcommittee meeting in 5/11.
<b><i>Product</i></b>	<b>Treestands</b>
<b><i>Staff Contact</i></b>	Lee, Arthur
<b><i>Purpose</i></b>	To provide technical support for the development of new, revised, and reaffirmed standards for hunting treestands and associated equipment to reduce hazards to consumers.
<b><i>Activities</i></b>	The draft testing report, “An Evaluation of Injuries from Falls and Suspension Traumas Related to Treestands” was in the CPSC internal clearance process at the end of the reporting period. CPSC staff collected various full body harnesses for testing. The harnesses were either sold separately or included with a treestand. All the harnesses tested produced pressure points. The report also discussed the injuries sustained after falling from a treestand and the causes and effects of suspension trauma.
<b><i>Next Action</i></b>	Staff will release the test report when it is approved. It will continue to monitor ASTM F08.16 subcommittee activities and provide technical support, as appropriate. Staff will present findings from staff testing to the ASTM subcommittee for comments once the report is made available.