

***VOLUNTARY STANDARDS
ACTIVITIES FY 2006****



**U.S. Consumer Product Safety Commission
4330 East West Highway, Bethesda, Maryland 20814**

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

Voluntary Standards Activities 10/1/05 – 9/30/06

SUMMARY

Forty-eight new, revised, or reaffirmed voluntary safety standards, which the U.S. Consumer Product Safety Commission (CPSC) staff monitored or provided technical support for, received final approval during the period from 10/1/05 – 9/30/06. These addressed portable amusement rides (seven standards), arc-fault circuit interrupters (two standards), baby bouncers (seats), bassinets and cradles, batteries (rechargeable cell phone), bed rails, toddler beds, bunk beds, child-resistant packaging, cribs (non-full-size and play yards), portable electric fans, fire escape masks, garage door/gate operators, gasoline containers (two standards), ground-fault circuit interrupters, portable generators, recreational helmets (five standards), paintball guns and markers (three standards), playground equipment for children less than two years of age, home playground equipment, swimming pools, table saws, paper shredders, trampolines, treestands (nine standards), and turkey fryers.

In total, the CPSC staff provided technical support to or monitored the development of 63 voluntary safety standards which are included in the information that follows. Nearly all of these 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. In addition, CPSC staff continued monitoring conformance to selected voluntary consumer product safety standards.

INTRODUCTION OF THE “V-STAR” REPORT

Below you will find the first *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 compiled and edited by the Office of Hazard Identification and Analysis to prepare the report. It is anticipated that this report will be issued twice a year, both for the middle and the end of the CPSC fiscal year which runs from October 1st to September 30th. Below is the annual V-STAR report for fiscal year 2006.

CPSC REVISES ITS REGULATIONS GOVERNING THE COMMISSION’S INVOLVEMENT IN VOLUNTARY STANDARDS

On July 10, 2006, revised regulations governing the Commission’s involvement in voluntary standards activities became effective. The revisions do two things. First, they more accurately reflect current Commission practices and strengthen oversight of staff involvement in

standards making activities. Second, the revisions codify existing procedures for internet disclosure and public comment regarding standards activities in which the Commission staff is actively involved. For further information please see the 71 Fed. Reg. 38,754 – 38,760 to be codified as 16 CFR Part 1031.

INCREASED PUBLIC PARTICIPATION AND COMMENT

During the reporting period, the CPSC staff continued the program to provide more information on CPSC staff voluntary staff activities. Draft CPSC staff recommendations on issues to be considered by voluntary standards organizations were placed on the CPSC web site to allow for public review and comment. Further, the CPSC staff continued to expand the voluntary standards portion of the CPSC web site with a goal of including information on all voluntary standards activities which the CPSC staff monitors and for which it provides technical support.

VOLUNTARY STANDARDS TRACKING AND ACCESS REPORT *

CPSC STAFF VOLUNTARY STANDARDS ACTIVITIES

FY 2006 ANNUAL REPORT



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

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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 standards. A description of these activities follows within the CPSC staff's Voluntary Standards Tracking and Access Report (V-STAR) for the 2006 Fiscal Year from October 1, 2005, to September 30, 2006. 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 2006 Annual Report

<i>Product</i>	All-Terrain Vehicles (ATVs)
<i>Staff Contact</i>	Leland, Elizabeth
<i>Purpose</i>	To monitor the five-year review of the American National Standard for Four Wheel All-Terrain Vehicles - Equipment, Configuration, and Performance Requirements (ANSI/SVIA-1-2001) and to recommend changes, as appropriate.
<i>Activities</i>	CPSC staff met with the Specialty Vehicle Industry Association (SVIA) technical group reviewing the ANSI standard to discuss the five-year review of the voluntary safety standard. SVIA distributed the proposed revision of the existing American National Standard for Four Wheel All-Terrain Vehicles -- Equipment, Configuration, and Performance Requirements to canvassers for ballot vote due 11/13/06.
<i>Next Action</i>	Review revised ballot; comments due 3/17/07

<i>Product</i>	Amusement Rides, Portable
<i>Staff Contact</i>	Caton, Tom
<i>Purpose</i>	To monitor and provide technical support to the development of new and revised standards of the ASTM F24 Committee on Amusement Rides and Devices.
<i>Activities</i>	<p>The following revised standards were approved in FY 2006:</p> <ol style="list-style-type: none">1) ASTM F747-06 Standard Terminology Relating to Amusement Rides and Devices was approved on 2/1/06,2) ASTM F893-05a Standard Guide for Inspection of Amusement Rides and Devices was approved on 12/1/05,3) ASTM F1193-06 Standard Practice for Amusement Rides and Devices Manufacturer Quality Assurance and Manufacturing Requirements was approved on 3/1/06,4) ASTM F2374-06 Standard Practice for Design, Manufacture, Operation, and Maintenance of Inflatable Amusement Devices was approved on 2/1/06, and5) ASTM F2376-06 Standard Practice for Classification, Design, Manufacture, Construction, and Operation of Water Slide Systems was approved on 1/1/06.6) ASTM F2291-06a Standard Practice for Design of Amusement Rides and Devices was approved on 4/1/06.7) ASTM F770-06a Practice for Ownership and Operation of Amusement Rides and Devices was approved on 4/1/06.
<i>Next Action</i>	Attend ASTM F24 Committee meeting, 2/22-24/2007, New Orleans, LA

<i>Product</i>	Arc-Fault Circuit Interrupters (AFCIs)
<i>Staff Contact</i>	Lee, Doug
<i>Purpose</i>	To strengthen the safety provisions of the UL Arc-Fault Circuit Interrupters (UL 1699) standard to reduce the fire hazard associated with electrical wiring in homes.
<i>Activities</i>	On 1/23/06, the revised UL Arc-Fault Circuit Interrupters (UL 1699-2006) standard was approved. The revised standard added the requirement that AFCIs must remain operable after a short circuit current test, among other things. CPSC staff provided technical assistance to the development of the revised standard. On 4/7/06, the 2nd edition of UL 1699-2006 was published.
<i>Next Action</i>	Staff will continue to monitor standards activities and National Electrical Code requirements for AFCIs as new AFCI technologies are marketed

<i>Product</i>	Baby Bouncers
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Infant Bouncer Seats (ASTM F2167) to strengthen its safety provisions.
<i>Activities</i>	Prior to the beginning of the reporting period, CPSC staff provided technical assistance to the revision of the ASTM Standard Consumer Safety Specification for Infant Bouncer Seats (ASTM F2167-05b), which was approved on 10/1/05. The revised standard reordered the testing sequence to provide greater safety. At the 9/06 meeting, CPSC staff introduced a concern with the forward stability test procedure. A task group was formed to discuss both the test procedure and the scope of the product.
<i>Next Action</i>	Support task group regarding the forward stability test; attend subcommittee meeting, 3/19/07

<i>Product</i>	Baby Gates
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Expansion Gates and Expandable Enclosures (ASTM F1004) to strengthen its safety provisions.
<i>Activities</i>	CPSC staff provided technical support for possible revisions to the standard in the areas of holes and openings in gates and the pulling strength of children. A revision to the current requirement was sent to ballot vote in the summer of 2006. At the 9/06 meeting, the ballot results regarding holes and openings were reviewed. Several negatives were received and resolved by the subcommittee.
<i>Next Action</i>	Attend subcommittee meeting, 3/22/07

<i>Product</i>	Baby Swings
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Infant Swings (ASTM F2088) to strengthen its safety provisions.
<i>Activities</i>	CPSC staff provided technical assistance to the ASTM F15.21 Subcommittee on Infant Carriers, Bouncers and Baby Swings in the area of restraints and falls from swings. The subcommittee is proposing a leg opening requirement (similar to high chairs) to the standard. It was recommended that manufacturers test their swings to the proposed revisions and then come back with comments or suggestions. A ballot to revise the standard is expected in 2007.
<i>Next Action</i>	Await results of manufacturer testing; attend subcommittee meeting, 3/22/07

<i>Product</i>	Baby Walkers
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Consumer Safety Performance Specification for Infant Walkers (ASTM F977), as appropriate.
<i>Activities</i>	CPSC staff provided technical support for possible revisions to the standard pertaining to collapsing walkers and leg hole openings. The Subcommittee on Infant Walkers was considering adopting the same leg opening requirement that was under consideration for stationary activity centers.
<i>Next Action</i>	Attend subcommittee meeting, 3/22/07; await results of stationary activity centers ballot regarding leg holes

<i>Product</i>	Bassinets and Cradles
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Bassinets and Cradles (ASTM F2194) to strengthen its safety provisions.
<i>Activities</i>	The ASTM F15.18 Subcommittee on Cribs, Toddler Beds, Play Yards, Bassinets, Cradles and Changing Tables revised the ASTM Standard Consumer Safety Specification for Bassinets and Cradles (ASTM F2194-06) standard to include a new provision regarding stability. The revised standard was approved on 3/01/06. The subcommittee will look at co-sleepers as a product category and has asked CPSC staff to provide incident data.
<i>Next Action</i>	Attend subcommittee meeting, 3/20/07; provide data on co-sleeper incidents

<i>Product</i>	Bath Seats
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Consumer Safety Specification for Infant Bath Seats (ASTM F1967) to eliminate or reduce the risk of infant drowning resulting from tipover and climbing out hazards.
<i>Activities</i>	A revision to the ASTM F1967-04 standard is expected in FY 2007 which will have new warning requirements to address climbing-out hazards. Revisions to the stability requirement were finalized at the 3/06 ASTM subcommittee meeting and were balloted in the summer of 2006. The ballot results for the new stability requirement were reviewed at the 9/06 subcommittee meeting. One negative was received, which was found to be non-persuasive. The ballot is expected to be re-issued in FY 2007 to uphold that finding.
<i>Next Action</i>	Attend subcommittee meeting, 3/21/07

<i>Product</i>	Batteries
<i>Staff Contact</i>	Lee, Doug
<i>Purpose</i>	To provide technical support to the development of safety standards for cell phone batteries to ensure safe and reliable use. The battery and cellular telephone industries desire standardized criteria for the design and qualification of reliable battery systems and for verifying the quality and reliability of those batteries for use in a system.
<i>Activities</i>	CPSC staff provided technical support to the development of a new Institute of Electrical and Electronics Engineers Standards Association (IEEE-SA) Standard for Rechargeable Batteries for Cellular Telephones (IEEE 1725) which was approved and published on 4/27/06. This new standard was created to make rechargeable lithium-ion and lithium-ion polymer batteries for cellular phones more reliable and robust. The standard uses a systems approach in setting uniform criteria for battery design, production and evaluation. A certification process using the IEEE P1725 standard is being developed; the first phase of the certification program has been completed.
<i>Next Action</i>	Standard development completed; continue to monitor certification developments

<i>Product</i>	Bed Rails
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Bed Rails (ASTM F2085), to improve the marking and labeling as well as to clarify testing procedures.
<i>Activities</i>	The revised ASTM Standard Consumer Safety Specification for Bed Rails (ASTM F2085-06) was approved on 3/1/06. The standard was revised in the areas of marking/labeling, displacement, and protrusion testing. New task groups were established to address issues such as breakage of components, use on non-box spring beds, and the scope of the standard. CPSC staff also requested that assembly problems be added as a new task group in light of 2 fatal incidents that can be associated with bed rail assembly errors.
<i>Next Action</i>	Participate on various task groups as appropriate; attend subcommittee meeting, 3/19/07

<i>Product</i>	Bicycles
<i>Staff Contact</i>	Amodeo, Vince
<i>Purpose</i>	To develop new or revised ASTM safety standards for bicycles and bicycle components.
<i>Activities</i>	<p>CPSC staff provided technical support to the development of:</p> <ol style="list-style-type: none">1) A draft ASTM Standard Specification for Condition 3 Bicycle Frames (balloted 6/9/06),2) A draft ASTM Standard Test Methods for Bicycle Frames (balloted 6/9/06),3) A draft ASTM Standard Test Methods for Handlebar Grip Safety,4) A draft ASTM Standard Test Method for Manually Operated Front Wheel Retention Systems, and5) A revision to ASTM Standard Classification for Bicycle Usage. <p>Staff attended subcommittee meetings in 5/06 and 9/06, at which task groups reported progress on standards development/revision efforts.</p>
<i>Next Action</i>	Attend subcommittee meeting, 5/22-24/07, Norfolk, VA

<i>Product</i>	Blind Cords
<i>Staff Contact</i>	Paul, Caroleene
<i>Purpose</i>	To revise the ANSI Standard for Safety of Corded Window Covering Products (ANSI/WCMA A100.1) to reduce strangulation hazards associated with window covering cords.
<i>Activities</i>	CPSC staff worked with the Window Covering Manufacturers Association (WCMA) technical committee to enhance safety provisions of the voluntary standard that address the strangulation hazard associated with continuous loop cords and inner cords. The technical committee developed a new test method to evaluate break-away devices. Draft revisions were sent to association members for review on 07/07/06. CPSC staff did not receive the draft revisions but will receive the ANSI ballot for review and comment.
<i>Next Action</i>	Review ANSI ballot when available

<i>Product</i>	Booster Seats
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To assist in development of a new ASTM safety standard to address the hazards associated with booster seats.
<i>Activities</i>	A draft ASTM safety standard was developed by the ASTM F15.17 Subcommittee on Booster Seats. The draft standard was sent to the subcommittee for ballot vote in 8/06. The ballot results were reviewed in 9/06, and it is expected that the ballot will be re-issued with revisions in FY 2007.
<i>Next Action</i>	Attend subcommittee meeting, 3/21/07

<i>Product</i>	Bunk Beds
<i>Staff Contact</i>	Bathalon, Susan
<i>Purpose</i>	To revise the Standard Consumer Safety Specification for Bunk Beds (ASTM F1427) to address the strangulation hazard associated with vertical protrusions on bunk beds.
<i>Activities</i>	The revised Standard Consumer Safety Specification for Bunk Beds (ASTM F1427-06) was approved on 3/1/06. The F15.30 Subcommittee redrafted the vertical protrusion test to minimize the risk of strangulation involving entanglement of clothing worn by a child descending from the top bunk. The subcommittee met 9/28/06 to consider further revision to the standard.
<i>Next Action</i>	Attend subcommittee meeting, 3/07

<i>Product</i>	Candles
<i>Staff Contact</i>	Tenney, Allyson
<i>Purpose</i>	To develop new consensus ASTM safety standards to eliminate or significantly reduce fire hazards associated with candles and candle products.
<i>Activities</i>	CPSC staff supported the ASTM F15.45 Subcommittee on Candle Products and its Fire Safety Task Group by providing incident data and technical support. A new standard for some candle accessories, e.g., candle rings, was balloted in 2006. A draft standard for candle accessories (addresses candle burners and trim rings) was balloted to the subcommittee and committee in 6/06; negatives were received. With support from CPSC staff, negatives were addressed by the Task Group and parts of the draft accessory standard were revised.
<i>Next Action</i>	Attend subcommittee meeting, 6/07

<i>Product</i>	Carbon Monoxide (CO) Alarms
<i>Staff Contact</i>	Switzer, Don
<i>Purpose</i>	To revise the Underwriters Laboratories Inc. (UL) Single and Multiple Station Carbon Monoxide Alarm (UL 2034) standard based on the results of CO alarm testing at conditions that approximate in-use conditions of rising CO concentrations and concentrations other than those specified in the standard.
<i>Activities</i>	CPSC staff monitored the status of various proposals. These proposals were developed to address staff recommendations on digital display accuracy, end-of-life warning, and response of CO alarms to rising CO levels. The working group developing proposed test methods for alarm response to rising CO concentrations was trying to resolve comments before sending the proposal to the Standards Technical Panel (STP) for consideration. The working group developing requirements for end-of-life warning completed its work and planned to forward a proposal to the STP for consideration.
<i>Next Action</i>	Attend working group meeting to discuss test method for rising CO level test (not yet scheduled)

<i>Product</i>	Carriers, Infant
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Performance Specification for Hand-Held Infant Carriers (ASTM F2050) to minimize the risk of injuries to occupants.
<i>Activities</i>	CPSC staff continued to monitor incident data for hand held carriers in order to assess the adequacy of the current voluntary standard.
<i>Next Action</i>	Attend subcommittee meeting, 3/22/07; provide subcommittee with incident data

Product **Carriers, Infant Frame**

Staff Contact Hackett, Patty

Purpose To assist in development of a new ASTM safety standard to minimize the risk of injuries to occupants of infant frame carriers.

Activities CPSC staff provided technical support to the development of a revised standard, which was nearing completion at the end of the reporting period.

Next Action Standard revision completed (approved 10/31/06), await publication; attend subcommittee meeting, 3/21/07

Product **Carriers, Soft**

Staff Contact Hackett, Patty

Purpose To provide technical support to the ASTM F15.21 Subcommittee which has responsibility for maintaining the ASTM Standard Consumer Safety Specification for Soft Infant Carriers (ASTM F2236).

Activities CPSC staff continued to monitor incident data for soft infant carriers in order to assess the adequacy of the current voluntary standard.

Next Action Attend subcommittee meeting, 3/21/07

Product **Changing Tables, Diaper**

Staff Contact Hackett, Patty

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

Activities Prior to the beginning of the reporting period, a 7/05 ballot vote of a revised draft ASTM F2388 standard was issued. Revisions included testing and labeling requirements for contoured changing pads and add-on changing units that are sold as separate products. Negative votes and comments were reviewed at the 3/06 subcommittee meeting. The ballot was reissued and all negatives were resolved at the 9/06 subcommittee meeting. A revised standard is expected to be issued in early FY 2007. A new task group was formed to revisit the issue of restraining straps on changing tables; CPSC staff was asked to provide incident data.

Next Action Attend subcommittee meeting, 3/20/07; provide data/input associated with restraining straps

<i>Product</i>	Child-Resistant Packaging
<i>Staff Contact</i>	Sharpless, Perry
<i>Purpose</i>	To develop voluntary national consensus safety standards for child-resistant packaging (CRP).
<i>Activities</i>	CPSC staff provided technical support to the ASTM D10 Committee on Packaging task group responsible for revising the ASTM Standard Classification of Child-Resistant Packages (ASTM D3475-06). The revised standard was approved 4/1/06. This revised standard includes new packaging designs. The standard is updated continuously to include new classification designations for novel packaging. CPSC staff provided samples of new types of child resistant packages and proposed a new classification system for Type VIII unit dose packages to make the classification consistent with classifications of other package types. CPSC staff recommended several revisions to ASTM D3475-06, including the addition of 4 new package examples and changes in the manufacturer for 2 packages that are already in the standard.
<i>Next Action</i>	Subsequent to the end of the reporting period, CPSC staff recommendations for further revision of D3475-06 were balloted (ballot closed 1/15/07); review ballot results and attend subcommittee meeting, 4/07

<i>Product</i>	Cribs (Non-Full-Size and Play Yards)
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards (ASTM F406) in order to reduce the hazards associated with these products.
<i>Activities</i>	The revised ASTM Standard Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards (ASTM F406-06) was approved on 3/1/06. The standard established testing requirements for the structure and performance of non-full-size cribs/play yards, both rigid sided and mesh/fabric assemblies. It also provided requirements for labeling and instructional material. This revision updated the warnings and references to applicable European standards. In the CPSC 2006 Operating Plan "Non-Full-Size Cribs" is shown as a separate project from "Play Yards"; however, ASTM merged "Non-Full-Size Cribs" with "Play Yards" under ASTM Subcommittee F15.18. "Non-Full-Size Cribs" and "Play Yards" are shown in this report as separate projects; however, they are the same.
<i>Next Action</i>	Attend subcommittee meeting, 3/20/07; await ballot on warning issues

<i>Product</i>	Cribs, Commercial
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To develop safety requirements for a new ASTM safety standard for cribs in commercial settings such as hotels and day care centers.
<i>Activities</i>	CPSC staff provided technical assistance to the ASTM F15.18 Subcommittee on Cribs, Toddler Beds and Play Yards, Bassinets and Cradles under a task group for commercial cribs. The task group developed requirements dealing with various issues such as gap thresholds, static loads, hardware requirements, and drop side testing. A draft standard was developed.
<i>Next Action</i>	The draft standard will be sent to the subcommittee for review; attend subcommittee meeting, 3/20/07

<i>Product</i>	Fans, Portable
<i>Staff Contact</i>	Luo, Anna
<i>Purpose</i>	To revise the UL Electric Fans (UL 507) safety standard to reduce the risk of fire associated with portable electric fans.
<i>Activities</i>	CPSC staff provided technical support to a working group developing performance requirements for power supply cords for portable electric fans. Staff reviewed the 11/20/06 proposal on new performance tests that was sent to the Standards Technical Panel (STP). At a 2/27/07 STP meeting, CPSC staff supported the new proposed requirements for power supply cords that include pinching, abrasion, crushing, and flexing tests. Staff also voiced a concern that the number of flexing cycles proposed may be too low. In addition, on 3/28/07, CPSC staff submitted a proposal to the STP on electric fans associated with home-use inflatable children's toys.
<i>Next Action</i>	

<i>Product</i>	Fire Escape Masks
<i>Staff Contact</i>	Khanna, Rikki
<i>Purpose</i>	To develop revisions to the Air-Purifying Respiratory Protective Escape Devices (ANSI/ISEA 110) performance standard for air-purifying respiratory protective smoke escape devices (RPEDS), a type of personal protection commonly called a "smoke hood" or "fire escape mask."
<i>Activities</i>	<p>The International Safety Equipment Association (ISEA) approved revision of the ANSI Air-Purifying Respiratory Protective Escape Devices (ANSI/ISEA 110) standard in 2/06 to clarify language and correct typographical errors. Round robin soot testing was delayed due to lack of available laboratories; interest from additional laboratories was being investigated.</p> <p>CPSC staff provided technical support and attended ISEA meetings throughout the year. During the 7/06 meeting, members agreed to revise the requirements for the fogging test to account for relative humidity. In addition, a motion to include accelerated aging tests was discussed and will be investigated.</p>
<i>Next Action</i>	Attend ISEA meeting, 4/07

<i>Product</i>	Fuel Cells
<i>Staff Contact</i>	Switzer, Don
<i>Purpose</i>	To examine possible safety issues associated with fuel cells and participate in the development of new and revised voluntary safety standards, as appropriate.
<i>Activities</i>	CPSC staff examined consumer safety issues associated with the use of fuel cells. There were several voluntary standards development activities being considered for portable and stationary fuel cells (as replacements for batteries) and stationary systems that use natural or propane gas as fuel to generate electricity. Both uses could present a possible fire hazard. In addition, portable fuel cells could pose possible health hazards because some designs are rechargeable and have the potential to leak. CPSC staff monitored commercial developments relating to these products.
<i>Next Action</i>	No further activities at this time

<i>Product</i>	Garage Door/Gate Operators
<i>Staff Contact</i>	Murphy, John
<i>Purpose</i>	To revise the UL Door, Drapery, Gate, Louver, and Window Operators and Systems (UL 325) standard as appropriate to address safety hazards associated with garage door/gate operators.
<i>Activities</i>	The revised ANSI/UL Door, Drapery, Gate, Louver, and Window Operators and Systems (ANSI/UL 325-2006) standard was approved on 2/14/06. The new safety provisions in the standard require some safety devices to reverse at least two inches before the motion of the door can be stopped. In 1/06, CPSC staff attended a Standards Technical Panel (STP) working group meeting to discuss the possibility of drafting requirements that would allow garage doors to be operated from remote locations. The working group decided to proceed with developing the safety requirements.
<i>Next Action</i>	Monitor UL voluntary standard activities; no pending actions that affect CPSC mandatory rule

<i>Product</i>	Gas Appliances, Vented - CO Sensors
<i>Staff Contact</i>	Jordan, Ron
<i>Purpose</i>	To revise the Gas-Fired Central Furnaces (ANSI Z21.47), Gas-Fired Low Pressure Steam and Hot Water Boilers (ANSI Z21.13), Vented Gas-Fired Space Heating Appliances (ANSI Z21.86), and Vented Gas Fireplace Heaters (ANSI Z21.88) safety standards to include performance requirements to: (1) prevent vented gas appliances from producing excessive levels of carbon monoxide (CO) or (2) shutdown the appliance in response to excessive CO levels.
<i>Activities</i>	Immediately prior to the beginning of the reporting period, in 9/05 the ANSI Z21/83 Committee disbanded the Ad Hoc Working Group (WG) for CO/Combustion Sensors, citing that the WG had completed all of its tasks, i.e., it had developed test criteria and a Request for Proposal (RFP) on possible future work. The committee expressed the opinion that available sensor technologies were not sufficiently durable to operate reliably over the useful life of gas appliances. CPSC staff devised test criteria to assess the durability and longevity of sensors using the corrosion test methodology in Exhibit G of ANSI Z21.47.
<i>Next Action</i>	Attend ANSI Z21/83 Committee (not yet scheduled)

<i>Product</i>	Gasoline Containers
<i>Staff Contact</i>	Bathalon, Susan
<i>Purpose</i>	To develop a revised ASTM Standard Specification for Determination of Child-Resistance of Portable Fuel Containers for Consumer Use (ASTM F2517) and to develop new ANSI B71.10 standard provisions to minimize fuel leakage from plastic gasoline tanks used on powered lawn equipment.
<i>Activities</i>	<p>The revised ASTM Standard Specification for Determination of Child Resistance of Portable Fuel Containers for Consumer Use (ASTM F2517-05) was approved on 9/1/05. CPSC staff noted that language was omitted from the standard that instructed test panel members that they could use their teeth during the test. In 11/05, CPSC staff provided comments stating that use of the teeth is important in child resistance testing. The ASTM F15.10 Subcommittee for Portable Fuel Containers scheduled a meeting for 11/06, at which time the use of teeth during testing was planned for discussion. In addition, ASTM F852-06 Gasoline Containers, Portable, and ASTM 839-06, Gasoline Containers, Labeling, were reapproved on 7/1/06.</p> <p>In a separate action, CPSC staff indicated a desire to participate as part of an ANSI Canvass for Review for a new fuel tank performance standard to be developed by the ANSI B71.10 Committee; the draft standard was received for review on 9/26/06.</p>
<i>Next Action</i>	ASTM F2517-05: rebalot child resistance requirement, 3/07; ANSI B71.10: review comments on draft standard when available

<i>Product</i>	Generators, Portable
<i>Staff Contact</i>	Buyer, Janet
<i>Purpose</i>	To develop a new UL Portable Engine Generator Assemblies (UL 2201) standard to reduce carbon monoxide deaths associated with portable generators.
<i>Activities</i>	In 12/05, UL drafted an Outline of Investigation for portable generators because the Standards Technical Panel had not yet achieved consensus on unresolved issues regarding the proposed draft standard, UL 2201. UL's Outline of Investigation for Portable Engine-Generator Assemblies, Subject 2201, establishes UL's certification requirements. It is not a consensus document. UL sought and received CPSC staff's recommendations on the draft Outline of Investigation in 2/06. UL incorporated CPSC staff's recommendations for warning labels for on-product and on-packaging, as well as information for the instruction manual. The Outline of Investigation also includes features that CPSC staff recommended to permit safe use in wet conditions. The Outline of Investigation became effective on 4/7/06.
<i>Next Action</i>	Monitor UL certification requirements

<i>Product</i>	Ground-Fault Circuit-Interrupters (GFCIs)
<i>Staff Contact</i>	Lee, Doug
<i>Purpose</i>	To improve the reliability of GFCIs by making them more resistant to corrosion, electrical surges, and improper installation, and less dependent on consumer testing; to revise the UL Standard for Safety for Ground-Fault Circuit-Interrupters (UL 943) and its counterpart national consensus standard ANSI/UL 943, as appropriate.
<i>Activities</i>	CPSC staff provided technical support to the development of the UL Standard for Safety for Ground-Fault-Circuit-Interrupters (UL 943-2005a). The fourth edition of UL 943 was approved on 2/1/06 as a tri-national (U.S., Mexico, and Canada) standard. New requirements for end-of-life and reverse line-load miswiring (receptacle face) became effective 7/28/06. Staff is continuing to work with industry to make the GFCI less dependent on consumer interaction/testing.
<i>Next Action</i>	Continue to work with industry to enhance GFCIs to make them less dependent on consumer testing and to disable the power if shock protection is not working

<i>Product</i>	Heaters, Fixed Electric
<i>Staff Contact</i>	Butturini, Randy
<i>Purpose</i>	To revise the UL Electric Baseboard Heating Equipment (UL 1042) and UL Fixed and Location-Dedicated Electric Room Heaters (UL 2021) safety standards to reduce the risk of fire.
<i>Activities</i>	CPSC staff participated in a 6/13/06 Standards Technical Panel (STP) 1042 meeting. Four items were approved for submission to balloting by UL. CPSC staff is participating in 2 task groups that were formed. One task group will explore whether to require opening of all ungrounded conductors when a temperature-regulating control activates. A second task group will discuss whether automatic-reset temperature-limiting controls should be eliminated. As a follow-up to the meeting, CPSC staff presented a document regarding the function and use of temperature-limiting controls to the task group.
<i>Next Action</i>	Develop staff proposal for revision to standard (auto reset temperature limiting controls); attend UL STP meeting, 5/1-2/07

<i>Product</i>	Helmets, Recreational
<i>Staff Contact</i>	McCallion, Rick
<i>Purpose</i>	To revise and strengthen the safety provisions of standards and test methods for recreational safety helmets.
<i>Activities</i>	CPSC staff provided technical assistance to the development of selected standards for various safety helmets and to safety helmet test methods. The following standards were approved during the reporting period: 1) ASTM F2439-06 Standard Specification for Headgear Used in Soccer was approved on 10/25/05, 2) ASTM F2400-06 Standard Specification for Helmets Used in Pole Vaulting was approved on 3/1/06, 3) ASTM F1446-06 Standard Test Methods for Equipment and Procedures Used in Evaluating Performance Characteristics of Protective Headgear was approved on 3/1/06, 4) ANSI/ASTM F1446-06 Standard Test Methods for Equipment and Procedures Used in Evaluating Performance Characteristics of Protective Headgear was approved on 3/1/06, and 5) ASTM F1447-06 Standard Specification for Helmets Used in Recreational Bicycling or Roller Skating was approved on 5/1/06.
<i>Next Action</i>	Attend subcommittee meeting, 5/07

<i>Product</i>	High Chairs
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for High Chairs (F404) to strengthen its safety provisions dealing with entrapment and falls.
<i>Activities</i>	CPSC staff monitored the activities of and participated in meetings of the ASTM F15.16 Subcommittee on Highchairs, Hook-on Chairs, and Expandable Gates, which was developing a revised standard. A ballot was issued for a requirement dealing with accessibility of the tray release mechanism by the occupant. The results were reviewed at the 9/06 meeting. Negatives were received.
<i>Next Action</i>	Attend subcommittee meeting, 3/19/07; review ballot when issued

<i>Product</i>	Hot Tubs and Spas
<i>Staff Contact</i>	Whitfield, Troy
<i>Purpose</i>	To revise the UL Standard for Electric Spas, Equipment Assemblies, and Associated Equipment (UL 1563) to provide safe temperature control settings for pregnant women.
<i>Activities</i>	CPSC staff presented research information and injury data at a 4/06 meeting of the Standards Technical Panel (STP), which is developing safe temperature control settings provisions. Staff also participated in a 6/21/06 teleconference with the STP and discussed proposed changes to the set point temperature of 104 degrees F (with +/- tolerance of 5 degrees F).
<i>Next Action</i>	Review incident reports; attend STP meeting (not yet scheduled)

<i>Product</i>	Infant Bedding and Accessories
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To provide technical support to the ASTM F15.19 Subcommittee on Infant Bedding which has responsibility for maintaining the ASTM Standard Consumer Safety Performance Specification for Infant Bedding and Related Accessories (ASTM F1917).
<i>Activities</i>	CPSC staff continued to monitor incident data for infant bedding in order to assess the adequacy of the current voluntary standard.
<i>Next Action</i>	Attend subcommittee meeting, 3/07

<i>Product</i>	Infant Tubs
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To assist in development of a new ASTM safety standard to address the hazards associated with infant tubs.
<i>Activities</i>	The first subcommittee meeting pertaining to infant bathtubs was held in 3/06. The purpose of the standard was defined and task groups were established. The draft standard was reviewed and discussed at the 9/06 subcommittee meeting.
<i>Next Action</i>	Attend subcommittee meeting, 3/21/07; review ballot for draft standard when available

<i>Product</i>	Ladders
<i>Staff Contact</i>	Caton, Tom
<i>Purpose</i>	To provide technical support to the ANSI A14 Subcommittee for Ladder Safety and Ladder Standards.
<i>Activities</i>	<p>CPSC staff attended an 11/17/05 meeting of the ANSI ladder subcommittee. The subcommittee discussed the five-year reapproval requirement for the following standards:</p> <ol style="list-style-type: none"> 1) ANSI A14.1 Wood Ladders, 2) ANSI A14.2 Portable Metal Ladders, 3) ANSI A14.5 Portable Plastic Reinforced Ladders, and 4) ANSI A14.10 Portable Special Duty Ladders. <p>The various task groups within the subcommittee sought language uniformity among the standards. The subcommittee planned to incorporate a 375 lbs. requirement for Special Duty Ladders.</p> <p>The revised ANSI A14.7 Mobile Ladder Stands and Mobile Ladder Stand Platforms standard was published in 2/06.</p> <p>At a 6/27/06 meeting, the subcommittee discussed the status of the revisions for ANSI A14.1 and ANSI A14.2. ANSI A14.8 Portable Ladder Accessories and A14.11 Step Stools were being prepared for public review. CPSC staff is providing technical support to the A14 committee label task force.</p>
<i>Next Action</i>	Review draft ANSI A14.11 (4/07 est.)

<i>Product</i>	Mowers
<i>Staff Contact</i>	Murphy, John
<i>Purpose</i>	To revise the ANSI Standard for Consumer Turf Care Equipment – Walk-Behind Mowers and Ride-On Machines with Mowers – Safety Specifications (ANSI B71.1-2003) to provide an increased level of safety.
<i>Activities</i>	There were no balloted issues and no subcommittee activity during the reporting period. Staff completed a review of runover/backover incidents involving riding mowers and identified incidents of backover involving mowers that comply with the voluntary standard.
<i>Next Action</i>	Draft staff recommendations to address backover incidents, if appropriate

<i>Product</i>	National Electrical Code (NEC)
<i>Staff Contact</i>	Lee, Doug
<i>Purpose</i>	To revise the safety provisions of the National Fire Protection Association (NFPA) National Electrical Code (NFPA 70) to reduce electrical fires and shock associated with consumer products including appliances, electrical equipment, and wiring products.
<i>Activities</i>	The CPSC staff proposal for GFCI protection of 240V boat hoists was accepted at the proposal stage. Another staff proposal to require AFCIs when replacing overcurrent protection and using existing wiring received some support from the code panel, but the panel was seeking further public comment before considering final action. Public comment was due in the fall of 2006 for consideration at the 12/06 code panel meetings.
<i>Next Action</i>	Review report of results of code panel meetings (5/07)

<i>Product</i>	Paintball Markers
<i>Staff Contact</i>	Amodeo, Vince
<i>Purpose</i>	To develop new or revised ASTM safety standards for paintball markers and equipment.
<i>Activities</i>	<p>CPSC staff provided technical support to the ASTM F08.24 Subcommittee on Paintball to develop:</p> <ol style="list-style-type: none">1) A draft ASTM Standard Specification for Warnings on Refillable CO2 Cylinders Used In the Sport of Paintball,2) A draft ASTM Standard Specification for Low Velocity Projectile Marker,3) A draft ASTM Standard Specification for Low Velocity Resilient Material Projectile, and4) A draft ASTM Standard Specification for Paintball CO2 Control Valve or Compressed Air Regulator Male Threaded Connection - for use with DOT approved cylinders (balloted on 9/25/06). <p>The following standards were approved during the reporting period:</p> <ol style="list-style-type: none">1) ASTM F2573-06 Standard Specification for Low Velocity Resilient Material Projectile (approved 5/1/06),2) ASTM F2574-06 Standard Specification for Low Velocity Projectile Marker (approved 5/1/06), and3) ASTM F2553-06 Standard Specification for Warnings on Refillable CO2 Cylinders Used In the Sport of Paintball (approved 8/15/06)
<i>Next Action</i>	Attend subcommittee meeting, 5/22-24/07, Norfolk, VA

<i>Product</i>	Paper Shredders
<i>Staff Contact</i>	Lee, Arthur
<i>Purpose</i>	To evaluate the adequacy of the UL Information Technology Equipment – Part 1: General Requirements (UL 60950-1) standard in addressing the laceration and amputation hazard associated with paper shredders, especially for young children, and to make recommendations for revisions to the standard, as appropriate.
<i>Activities</i>	UL circulated a proposal for UL 60950 Standards Technical Panel (STP) balloting and comment to address laceration and amputation hazards. Consensus was achieved with only one negative ballot. UL issued a revision to UL 60950-1 to include performance testing to restrict the shredder opening from flexing and to restrict the size of the opening. The revised edition with the new provision was issued on 7/7/06, with an effective date of 7/7/07.
<i>Next Action</i>	Project completed

<i>Product</i>	Play Yards (Non-Full Size Cribs and Play Yards)
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards (ASTM F406) in order to reduce the hazards associated with these products.
<i>Activities</i>	The revised ASTM Standard Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards (ASTM F406-06) was approved on 3/1/06. The standard established testing requirements for structure and performance of non-full-size cribs/play yards, both rigid sided and mesh/fabric assemblies. It also provided requirements for labeling and instructional material. This revision updated the warnings and references to applicable European standards. In the CPSC 2006 Operating Plan “Play Yards” is shown as a separate voluntary standards activity as is “Non-Full-Size Cribs”; however, ASTM merged “Play Yards” with “Non-Full-Size Cribs” under ASTM Subcommittee F15.18. “Play Yards” and “Non-Full-Size Cribs” are shown in this report as separate projects; however, they are the same.
<i>Next Action</i>	Attend subcommittee meeting, 3/20/07

<i>Product</i>	Playground Equipment (<2 Years Old)
<i>Staff Contact</i>	Whitfield, Troy
<i>Purpose</i>	To develop a new ASTM Standard Consumer Safety Performance Specification for Public Use Play Equipment for Children 6 Months to 23 Months (ASTM F2373). Such equipment often is found in childcare facilities.
<i>Activities</i>	CPSC staff provided technical support to the development of a new ASTM Standard Consumer Safety Performance Specification for Public Use Play Equipment for Children 6 Months to 23 Months (ASTM F2373-05) which was approved on 10/1/05. CPSC staff participated in subcommittee meetings in 6/06 and 9/06; both meetings focused on clarifications to the standard. Several items were balloted during the summer of 2006; all passed with no negatives or comments.
<i>Next Action</i>	Attend subcommittee meeting, 5/20/07, Norfolk, VA

<i>Product</i>	Playground Equipment (Home)
<i>Staff Contact</i>	Whitfield, Troy
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Performance Specification for Home Playground Equipment (ASTM F1148) to strengthen its safety provisions.
<i>Activities</i>	The revised ASTM Standard Consumer Safety Performance Specification for Home Playground Equipment (ASTM F1148-05) was approved on 10/1/05. The ASTM F15.09 Subcommittee handling the development of the standard investigated overlapping play patterns and use zones. A structural integrity working group reviewed equipment components addressed by the standard and identified those that were not addressed. Ballot items included structural integrity, maintenance checklist, and use zones. Requirements related to the maintenance checklist and use zones will be reballoted with minor changes. A new section on impact attenuating surfacing was withdrawn; it will be revised and reballoted. In addition, the subcommittee voted to ballot the removal of the exemption from surfacing requirements for equipment under 20 inches high.
<i>Next Action</i>	Attend subcommittee meeting, 5/20/07, Norfolk, VA

<i>Product</i>	Playground Equipment (Public)
<i>Staff Contact</i>	Whitfield, Troy
<i>Purpose</i>	To revise the ASTM Consumer Safety Performance Specification for Public Playground Equipment (ASTM F1487) to strengthen its safety provisions.
<i>Activities</i>	<p>CPSC staff continued participation on the ASTM F15.29 Subcommittee on Playground Equipment for Public Use. The subcommittee discussed safety provisions for 'space nets' and test methods for partially bound openings. Several items were balloted:</p> <ol style="list-style-type: none">1) A ballot to define gaps in slides was withdrawn and will be reballoted, focusing on the entanglement hazard caused by the gap, rather than the gap itself;2) A ballot to remove the partially bound opening test was also withdrawn due to persuasive comments that the lack of data likely indicates that current requirements are adequate;3) A ballot on label permanence was withdrawn and will be reballoted, removing a reference to tools and adding a reference to the ANSI standard regarding label permanence;4) A ballot regarding merry-go-round maximum height was withdrawn and will be reballoted with age-based maximums;5) A ballot regarding exemption for merry-go-rounds 20" or less in diameter had all negatives voted non-persuasive;6) A ballot on use-zones for multi-user spring rockers was withdrawn; and7) A ballot on sliding poles was withdrawn and will be reballoted with minor changes.
<i>Next Action</i>	Attend subcommittee meeting, 5/20/07, Norfolk, VA

<i>Product</i>	Playground Equipment (Soft)
<i>Staff Contact</i>	Whitfield, Troy
<i>Purpose</i>	To revise the ASTM Standard Safety Performance Specification for Soft Contained Playground Equipment (ASTM F1918) to strengthen its safety provisions.
<i>Activities</i>	<p>CPSC staff continued monitoring ASTM F15.36 Subcommittee activities on soft contained play equipment. The subcommittee met in 9/06. Additionally, 2 items were balloted:</p> <ol style="list-style-type: none">1) A ballot to revise the scope received negatives and was withdrawn, with plans to address the negatives and reballot; and2) A ballot regarding flammability was tabled.
<i>Next Action</i>	Monitor standard activities, including task group activities on sculpted foam equipment; attend subcommittee meeting, 5/20/07, Norfolk, VA

<i>Product</i>	Playground Surfacing
<i>Staff Contact</i>	McCallion, Rick
<i>Purpose</i>	To revise the ASTM Standard Specification for Impact Attenuation of Surface Materials within the Use Zone of Playground Equipment (ASTM F1292) to reduce the risk of fall-related injuries, especially life-threatening head injuries. Further, to revise the ASTM Standard Guide for ASTM Standards on Playground Surfacing (ASTM F2223) that describes how to apply existing ASTM standards to evaluate the impact attenuation, accessibility characteristics, and product characteristics when selecting surface systems for use under and around playground equipment.
<i>Activities</i>	CPSC staff participated in a 4/06 ASTM F08.63 Subcommittee meeting. The subcommittee reviewed comments received on the Standard Specification for Determination of Firmness and Stability of Surface Systems Under and Around Playground Equipment (ASTM F1951-99). Comments received were considered persuasive and incorporated into the standard. The standard will be rebaloted.
<i>Next Action</i>	Attend subcommittee meeting, 5/07; review comments on ballot when available

<i>Product</i>	Pool Alarms
<i>Staff Contact</i>	Whitfield, Troy
<i>Purpose</i>	To evaluate the adequacy of the Standard Specification for Pool Alarms (ASTM F2208).
<i>Activities</i>	CPSC staff completed testing and determined that clarification of some requirements may be merited.
<i>Next Action</i>	Attend subcommittee meeting, 4/27/07

<i>Product</i>	Pool Suction (Vacuum) Release Devices
<i>Staff Contact</i>	Whitfield, Troy
<i>Purpose</i>	To review and revise as needed the ASTM Standard Specification for Manufactured Safety Vacuum Release Systems (SVRS) for Swimming Pools, Spas and Hot Tubs (ASTM F2387) and the American Society of Mechanical Engineers (ASME) Manufactured Safety Vacuum Release Systems (SVRS) for Residential and Commercial Swimming Pool, Spa, Hot Tub, Wading Pool Suction Systems (ASME A112.19.17) to provide additional consumer protection from drowning related to body suction entrapment.
<i>Activities</i>	<p>CPSC staff provided technical support to the ASTM F15.51 Subcommittee on Safety Vacuum Release Systems for Swimming Pools, Spas, and Hot Tubs which was developing the revision of the ASTM F2387 standard. Further, CPSC staff participated in the exchange of information and analyses related to vent pipe test protocols being developed by a task group within the same ASTM subcommittee.</p> <p>An ASTM Task Group for Field-Fabricated Vents (FFV) met on 7/10/06 to review/discuss a draft standard. Discussions included the potential effects from various vent configurations. There was also discussion regarding 'false-tripping' and a performance requirement (foot-shape test). On 8/15/06, a draft standard was sent out for task group review and comment. Depending upon comments, a ballot is expected in FY 2007.</p>
<i>Next Action</i>	Review results of ballot for Field Fabricated Vents for Swimming Pools when available (ballot closed 12/4/06)

<i>Product</i>	Pools and Spas
<i>Staff Contact</i>	Whitfield, Troy
<i>Purpose</i>	To develop ANSI/APSP performance safety standards for swimming pool, spa and hot tub construction to reduce injury and drowning incidents. Further, to develop a new ASTM Standard Guide for Use of a Residential Swimming Pool, Spa, and Hot Tub Safety Audit to Prevent Unintentional Drownings (ASTM F2518).
<i>Activities</i>	The Association of Pool and Spa Professionals (APSP) voluntary standards for pools and spas were opened for public review and comment. The APSP-2 standard for Public Spas and Swimspas, the APSP-3 standard for Permanently Installed Residential Spas and Swimspas and the APSP-6 standard for Residential Portable Spas and Swimspas standards were reviewed by CPSC staff. (APSP standards were in some cases previously designated as NSPI or IAF standards.) CPSC staff also provided technical support to the development of a new ASTM Standard Guide for Use of a Residential Swimming Pool, Spa, and Hot Tub Safety Audit to Prevent Unintentional Drownings (ASTM F2518-06), which was approved 4/1/06.
<i>Next Action</i>	Continue monitoring standard activities; no actions currently scheduled

<i>Product</i>	Pools, Portable
<i>Staff Contact</i>	Whitfield, Troy
<i>Purpose</i>	To develop a new ASTM Standard Safety Specifications for Aboveground Portable Pools for Residential Use that specifies performance, labeling, and warning requirements for portable pools, including one-piece vinyl, plastic, soft-sided, and inflatable pools.
<i>Activities</i>	On 12/5/05, ASTM held an organizational meeting to discuss portable pools, and the ASTM Subcommittee F15.60 on Portable Pools was formed. The group agreed to develop a safety standard, and task groups were formed to address various aspects of the standard including performance, instructions and warnings, definitions, and hazards. On 3/24/06, the task groups completed the first draft of a proposed standard, which was sent to the subcommittee for ballot vote. At a 5/23/06 subcommittee meeting, ballot results were reviewed and negative items were addressed. Various aspects of the draft standard were reviewed and revised, and different types of portable pools were considered. Definitions were added and the scope of the standard was better defined.
<i>Next Action</i>	Review ballot for new standard when available

Product	Scooters, Motorized
Staff Contact	Amodeo, Vince
Purpose	To develop a new or revised ASTM safety standard for motorized scooters.
Activities	On 10/28/05, CPSC staff participated in an organizational meeting of the ASTM F08.58 Subcommittee for Powered Scooters and Skateboards. CPSC staff provided technical review of: 1) A draft ASTM Specification for Safety Instructions and Labeling for Recreational Powered Scooters and Pocket Bikes (ballot anticipated in early FY 2007), and 2) A draft ASTM Standard for Consumer Safety Specification for Recreational Powered Scooters and Pocket Bikes (ballot anticipated in early FY 2007).
Next Action	Review ballot for revised draft standards when available

Product	Smoke Alarms
Staff Contact	Lee, Arthur
Purpose	To clarify testing provisions of the Underwriters Laboratories Single and Multiple Station Smoke Alarms (UL 217) standard and to develop safety provisions to update the National Fire Protection Association (NFPA) National Fire Alarm Code (NFPA 72) for the 2007 edition.
Activities	CPSC staff participated in the completion of the 2007 edition of NFPA 72, National Fire Alarm Code, which was published 8/17/06. Staff participated as a member of the technical panel for Chapter 11, Single and Multiple Station Alarms and Household Fire Alarm Systems. The panel made significant changes to the standard to improve usability and fire protection including: 1) Allowing voice messages in smoke alarms. 2) Including provisions for back-up power sources (other than batteries), such as fuel cells. 3) Allowing smoke alarms on AFCI-protected branch circuits. 4) Requiring additional smoke alarms when exceeding 1000 sf per level. 5) Eliminating references to "new" and "existing" (related to the importance of interconnected smoke alarms regardless of new or existing construction). Staff also participated on the UL 217 Standards Technical Panel to improve the reliability of surge suppression circuits used in smoke alarms. Staff provided data on smoke/fire incidents resulting from electrical transient damage to smoke alarms. This information was used to correlate with UL's research data to determine test levels for new transient tests.
Next Action	Review/comment on UL draft report on smoke characterization research (Fire Protection Research Foundation study) (4/07 est.)

<i>Product</i>	Sprinklers, Fire
<i>Staff Contact</i>	Khanna, Rikki
<i>Purpose</i>	To revise the NFPA and ANSI/UL fire sprinkler safety and installation standards to strengthen their safety provisions.
<i>Activities</i>	CPSC staff monitored proposed revisions to the NFPA and UL sprinkler standards as they related to performance and reliability issues. No significant issues arose during FY 2006.
<i>Next Action</i>	Continue monitoring NFPA and UL sprinkler standards

<i>Product</i>	Strollers
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Carriages and Strollers (ASTM F833-05) to strengthen the safety provisions.
<i>Activities</i>	<p>A ballot was issued to update the current voluntary standard in the following areas:</p> <ol style="list-style-type: none">1) The provision for stability of the product, when used with carrying accessories, was updated to include an adverse configuration combination of weights;2) Impact tests for attachment of car seats on strollers were added which are new performance requirements for strollers that have detachable car seats;3) The stability standard was clarified to include three-wheeled strollers;4) A new safety requirement for strollers that have a tray or grab bar to prevent submarining and entrapments was added; and5) The language relating to the shoulder straps test method was clarified. <p>Comments and negatives were discussed at the 3/06 subcommittee meeting. A ballot was re-issued in the summer of 2006, and results were discussed at the 9/06 meeting. CPSC staff also participated in a task group dealing with false latching.</p>
<i>Next Action</i>	Attend subcommittee meeting, 3/21/07; participate in task groups dealing with entrapment and false latching

<i>Product</i>	Surge Suppressors
<i>Staff Contact</i>	Lee, Doug
<i>Purpose</i>	To revise the UL Standard for Transient Voltage Surge Suppressors (UL 1449) to reduce the risk of fire associated with power strips that incorporate surge suppression components (surge suppressors).
<i>Activities</i>	UL completed its evaluation of surge suppressor market samples and reported its findings at a 5/06 meeting. It was anticipated that the results would help the working group determine the number of samples that would need to be tested; however, the market survey did not find any discrepancies. Another working group was started to reconsider the effectiveness of the test before balloting the proposal on the number of samples needed for the present test.
<i>Next Action</i>	Continue to monitor standards activities; no further staff action planned

<i>Product</i>	Table Saws
<i>Staff Contact</i>	Paul, Caroleene
<i>Purpose</i>	To revise the UL Standard for Safety for Stationary and Fixed Electric Tools (UL 987), to reduce the risk of laceration and amputation associated with table saw blade contact and to make the UL 987 standard an ANSI national consensus standard.
<i>Activities</i>	<p>The revised UL Standard for Safety for Stationary and Fixed Electric Tools (UL 987) was reviewed by CPSC staff and approved by UL on 2/20/06. Included in the revised standard were:</p> <ol style="list-style-type: none">1) Addition of requirements for spacing between traces on printed wiring boards,2) Clarification of compliance criteria for the switches and controls test,3) Clarification related to determination of winding temperatures for the temperature test,4) Addition of a symbol for double insulation as an alternative to the word "Double Insulation" in Marking Requirements, and5) Editorial changes.
<i>Next Action</i>	Participate on Standards Technical Panel (STP) working group to refine proposal for blade guards for STP ballot; review proposal when available (3/07 est.)

<i>Product</i>	Toddler Beds
<i>Staff Contact</i>	Hackett, Patty
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Toddler Beds (ASTM F1821) to include corner post requirements and to update the standard's warning language.
<i>Activities</i>	A revised ASTM Standard Consumer Safety Specification for Toddler Beds (ASTM F1821-06) was approved on 3/1/06. CPSC staff monitored the activities of and served as a member of the ASTM F15.18 Subcommittee on Cribs, Toddler Beds, Play Yards, Bassinets, Cradles, and Changing Tables which was responsible for revising the standard.
<i>Next Action</i>	Attend subcommittee meeting, 3/22/07

<i>Product</i>	Toys
<i>Staff Contact</i>	Amodeo, Vince
<i>Purpose</i>	To revise the ASTM Standard Consumer Safety Specification for Toy Safety (ASTM F963-03) to strengthen its safety provisions and reduce deaths and injuries associated with toys.
<i>Activities</i>	CPSC staff provided technical support to the task group on jaw entrapment to develop requirements to address the hazard of jaw entrapment in handles and steering wheels of infant toys. In addition, CPSC staff participated in ASTM F15.22 Toy Safety Subcommittee meetings to help develop draft revisions to the ASTM F963 toy standard. CPSC staff provided technical assistance in the areas of jaw entrapment, yo-yo balls, and projectiles. Further, CPSC staff provided technical and incident background information to assist in the formation of a new ASTM F15.59 Subcommittee activity to deal with children's folding chairs. In addition, a new task group was formed to develop labeling and performance requirements to address hazards associated with magnets; CPSC staff participated in this task group.
<i>Next Action</i>	Attend subcommittee meeting (2/12/07)

Product

Trampolines

Staff Contact

Purpose

To revise the ASTM Consumer Safety Specification for Components, Assembly and Use of a Trampoline (ASTM F381-04) to reduce the hazards associated with the use of trampolines by consumers in home environments.

Activities

The revised ASTM Consumer Safety Specification for Components, Assembly and Use of a Trampoline (ASTM F381-05) was approved on 10/1/05. This specification applied to trampolines of:

- 1) A minimum area of 3,300 inches,
- 2) A minimum height of 20 inches,
- 3) An intended use of continuous, vertical jumping activities, and
- 4) Intended consumer use.

CPSC staff provided technical assistance to the development of the ASTM F381 safety standard during the prior reporting period and final approval of the revised standard occurred on the first day of the reporting period.

Next Action

Project completed

<i>Product</i>	Treestands
<i>Staff Contact</i>	Karen, Mike
<i>Purpose</i>	To provide technical support for the development of national consensus voluntary safety standards for hunting treestands.
<i>Activities</i>	<p>CPSC staff provided technical support to the ASTM F08.16 Subcommittee including identifying and evaluating fall arrest systems, providing hunting treestand-related injury data, and identifying issues related to self-rescue from fall arrest systems. The Subcommittee completed the following standards in FY 2006:</p> <ol style="list-style-type: none">1) ASTM F2123-05 Standard Practice for Treestand Instructions was approved on 10/25/05,2) ASTM F2121-05 Standard Practice for Treestand Labels was approved on 10/25/05,3) ASTM F2128-05 Standard Test Method for Treestand Repetitive Loading Capabilities was approved on 10/25/05,4) ASTM F2122-05 Standard Practice for Treestand Safety Devices was approved on 10/25/05,5) ASTM F3531-05 Standard Test Method for Load Capacity of Treestands (was approved on 10/25/05,6) ASTM F2125-05e1 Standard Test Method for Treestand Static Stability and Adherence was approved on 10/25/05,7) ASTM F2124-05 Standard Practice for Testing Ladder Treestand, Treestand and Climbing Stick Load Capacity was approved on 10/25/05,8) ASTM F2126-06 Standard Test Method for Treestand Static Load Capacity was approved on 5/23/06, and9) ASTM F2120-06 Standard Practice for Testing Treestand Load Capacity was approved on 5/23/06.
<i>Next Action</i>	Teleconference with treestand manufacturers (3/07)

<i>Product</i>	Turkey Fryers
<i>Staff Contact</i>	Khanna, Rikki
<i>Purpose</i>	To revise the ANSI/CSA [Canadian Standards Association] Standard for Outdoor Cooking Specialty Gas Appliances (ANSI/CSA 1.18) to reduce the fire hazards associated with turkey fryers/boilers.
<i>Activities</i>	<p>CPSC staff provided updated hazard data on turkey fryer injuries to the Technical Advisory Group (TAG). The TAG drafted language to describe the requirements for temperature limiting devices. The standard will require a "device" that will not allow cooking oil temperatures to exceed F 475 degrees; this requirement has passed public review and comment and is included in the latest addenda to the standard with an effective date of 7/1/07.</p>
<i>Next Action</i>	Revised standard published (est. 4/07)