



STATE COLLEGE AREA SCHOOL DISTRICT

PLAYGROUND MASTERPLAN

JUNE 3, 2019



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SCASD Playground Master Plan
Civil Engineering Narrative
May 15, 2019

SITE NARRATIVES

Corl Street Elementary

This site is located at 235 S. Corl St., State College, PA 16801, in State College Borough. The proposed playground is located to the east of the building. Proposed playground area includes a wedge shaped high flat area with an existing playground in place, with partial wood chip ground cover and partial asphalt cover. From there, a steep sloped hill continues downward to a parking lot on one side, the school in the center, and the low proposed playground area to the far side. The hill is currently fenced off for safety, with dirt ground cover due to active construction in the area. The low area of proposed playground is a flat dirt and gravel mixture, with dirt mounds and construction debris due to active construction.

Stormwater is managed at the site via overland sheet flow from high playground area, downhill, then directed towards one of two storm grates. One grate is in a low area near the parking lot and the other is located on the far end of the low playground area. Based on a review of the approved land development plans for the current construction project, the inlets appear to be part of two separate subsurface stormwater management facilities. The final placement of the proposed mounds and tree plantings should be designed to allow for positive drainage and to not interfere with the function of the subsurface stormwater facility



Storm Grate in proximity of proposed mound



Piping in proximity of proposed mound



Existing playground (high area)

CIVIL ENGINEERING NARRATIVES

Delta Program

The site is located at 650 Westerly Pkwy, State College, PA 16801 (North of Westerly Parkway) in State College Borough. The proposed playground is located to the North of the building. The proposed playground area consists of a steeply sloped, densely wooded hill adjacent to the building. The density of the woods made it challenging to identify additional features or challenges on the hillside. Directly next to the building are concrete platforms near doorways, and an asphalt driveway extending part way across the site. The lowest grades are at two separate doorways. Beyond the site, on the high side of the hill, are flat, grass sports fields. The site slopes towards the building direct all stormwater from the hill in that direction. There does appear to be a shallow, terrace-like swale cutting across the hill part way up, which may redirect some of the runoff around and away from the building, but the extent of the benefit is unclear. There are floor drains near the doors of the buildings at multiple locations, intended to collect and carry off the stormwater runoff from the hill. It is unclear where the drains direct the stormwater.

The grading, directing stormwater towards the building, creates design challenges. The playground design appears to envision clearing much of the tree and brush cover from the hillside, which will increase runoff towards the building. In order to accomplish the design components directly next to the building, especially given the low grade of the existing doorways, it appears that a considerable amount of additional excavation will be necessary, which will also exacerbate the drainage issue. The stormwater drainage and conveyance system will need to be redesigned to minimize the potential of runoff entering the building. There are also overhead power lines and poles in the area of the proposed playground. The Borough does not allow development within the right-of-way easements of utilities but it is unclear how large the easements are for these power lines and poles or whether they will directly conflict with the design layout but there will be an impact on aesthetics regardless.



Low point, entrance 1

Low point entrance 2



Wooded hillside (typ)



Power pole/lines on hill (typ of multiple)

Easterly Parkway Elementary

The site is located at 234 Easterly Parkway, State College, PA 16801, in State College Borough. The proposed playground is located to the northeast of the building. This large site includes a series of existing playground areas in open space on the high area above a hillside. The ground cover consists of woodchip ground cover at several locations of existing playground equipment, grass open space, and an asphalt walkway cutting through the site. The entire site is sloped towards the road below, at varying steepness. Stormwater is managed at the site by overland runoff towards the paved parking lot and roadway, with stormwater drainage grates in the paved areas.

At the high south side of the site, the proposed design includes a row of large trees near a swing set replacement. It is noted that just south of the swing set in proximity of the proposed trees are existing garden boxes which are proposed to remain. It is anticipated that the proposed trees may block sunlight to the garden boxes.



Playground sloping towards road (typ)



ADA swing in location of development



Area of proposed trees near garden boxes

Ferguson Township Elementary

The site is located at 215 W. Pine Grove Rd., Pine Grove Mills, PA 16868, in Ferguson Township. The proposed playground is split into two locations, one in the core area of the building and the other to the north of the building.

In the core area, the site consists of a steep, rolling, grass hill, with a concrete platform and asphalt walkway at the low end. Stormwater travels downhill overland in this area. Once at the bottom of the hill, the site slopes slightly towards the opening on the east side of the core area and ultimately towards a large, partially rock-lined swale running parallel to the east side of the building. Despite this slope, there are multiple low points which could create temporary minor ponding or saturation during rain events. The proposed playground development in this area should not exacerbate any existing stormwater issues in this area.



Core area from top of hill

Core area from bottom of hill

To the north of the building in the location of the proposed playground is an existing playground. Ground cover consists of woodchips in the areas of playground equipment, an asphalt play surface, and grass. The site includes a mix of sloped and flat areas, ultimately leading away from the building towards a grass field to the north. However, there are multiple low points in the playground area, creating a risk of ponding or saturation during rain events. Bordering the north west corner around the north side of the existing playground site is a grass swale, which receives an outflow pipe delivering stormwater from the parking lots to the west of the building. This swale appears to be a significant stormwater management feature for the site. The proposed playground development for this site appears to show multiple features in and around the location of this swale and may interrupt the swale's function.



Main playground area



Existing swale in northwest border of playground

Grays Woods Elementary

The site is located at 160 Brackenbourne Dr., Port Matilda, PA 16870, in Patton Township. The proposed playground is located in the core area and continuing to the east of the building.

The center of the core area consisted of a mounded grass landscape, with tree and brush growth in the high area. Around the mounded area and to the building on three sides the ground is generally flat and grass, with a slight slope away from the building towards the opening in the core area. Stormwater appears to be adequately managed to run overland out of the core area around the mounded area. Beyond the core area directly to the east is an existing playground. It includes playground equipment with a wood chip ground cover, areas of grassy ground cover in between, and an area of asphalt play surface. Beyond the playground area, the ground slopes up significantly via a grass hillside. At the top of the hillside is a safety fence, beyond the fence an asphalt walkway runs along the hilltop, and beyond the walkway is a flatter area with sporadic mature trees, grass ground cover and a slight slope towards the hill. The result of these three components (core area, hilltop/hill, and playground area) is a concentration of site stormwater running towards the playground area at the low ground. To manage the stormwater collecting in this location, stormwater grates are present, one in the center of the playground and a second directly to the south of the playground. It was unclear from the field view where the stormwater is conveyed once collected by the storm grates.

The placement of the central playground storm grate creates challenges for the site. As it currently exists, the grate is in the center of the playground area, creating a potential safety concern. Additionally, the grate is in an area with wood chip ground cover, resulting in a high risk of debris collecting on the grate (currently managed by a screen cover over the grate). The proposed plan includes a new walkway through the playground area directly over the location of this grate. It will be important to design this walkway with drainage in mind, to promote runoff towards the grate and minimize risk of debris laden runoff to the grate. To the south side of the site, it appears that runoff is intended to collect at the base of the hillside and travel from there to the south towards the second grate. However, it appears that this is not adequately accomplished due to low spots in this pathway. The ground was noticeably saturated and spongy in this area. This location is also proposed to have new tree plantings as part of the playground improvements, and it is recommended that grading be addressed during installation to promote proper runoff towards the secondary grate. Finally, it is noted that on the southwest corner of the proposed playground design, new tree plantings are specified. However, there is an existing box garden in this area. Recommend either adjusting design to avoid garden or removal of garden to accommodate design.



View of main playground area and building core area from the top of hillside



View of south side of playground area, showing hillside and secondary storm grate

Mt Nittany Middle

The site is located at 656 Brandywine Dr., State College, PA 16801, in College Township. The proposed main playground area is located to the north of the building, with a small extension located to the east of the building.

The main proposed playground area is currently a grass covered island of open space bordered by curbing and surrounded by paved roadway. The open space is graded with its high point in the center and consistent slope away towards the road on all sides, forming a soft mounded area. Stormwater runoff flows toward the road on all sides and is collected in stormwater inlet and piping system in the roadway. On the opposite side of the road to the south of the island is a concrete sidewalk, then stairs leading up to a concrete pedestrian area , abutting the building and its doorways. The sidewalk area is sloped away from the building to direct stormwater towards the road. The pedestrian area has a retaining wall on two side, and stormwater inlets to collect runoff. There are also small drainage weep holes in the exterior of the half wall, likely for secondary drainage of the retaining walls. To the east of the building, in the secondary area of proposed playground development, there is grass covered open space with sporadic trees. Sloping slightly away from the building towards the road. This sloping provides adequate overland runoff for stormwater.

The only challenge noted for this site is associated with the proposed changes in the concrete pedestrian area abutting the building. The design of the proposed improvements will need to consider the existing stormwater drainage features, within the pedestrian area, and may require alterations to those systems to accommodate the new design.



View of grass island area looking North



Retaining/half wall of concrete platform area

Platform area, showing stormwater grate

Mt Nittany Elementary

The site is located at 700 Brandywine Dr., State College, PA 16801, College Township. The proposed playground is located to the west of the building.

The proposed location for this playground is the location of an existing playground, consisting of a large asphalt play surface, playground equipment with wood chip ground cover, and grass areas throughout. The site slopes slightly away from the building to the south in all locations. Some stormwater to the southeast is collected in a swale system directing stormwater around the east building in that location. Otherwise, stormwater drainage is via overland sheet flow south towards grass covered open space. Stormwater does not appear to be an issue for this site. It appears that a large section of asphalt will need to be removed to accommodate the proposed improvements, but this should not create any major challenges.



Main asphalt area of existing playground and location of proposed mounded areas

Park Forrest Elementary

The site is located at 2181 School Dr., State College, PA 16803, in Patton Township. The proposed playground is located to the east of the building.

The site, near to the building, consists of a large existing playground area, including playground equipment with wood chip ground cover, asphalt play surfaces and walkways, and grass covered areas throughout. This portion of the site slopes slightly away from the building. Beyond this area is a large, moderate to significantly sloped hillside, sloping down away from the building elevation in a choppy, inconsistent pattern. The hillside contains many mature trees, the remnants of old asphalt walkways, curbs and platforms, and an existing playground area at the bottom of the hill. The hill side is partially grass covered, with exposed rocks and boulders, dirt and sand. Stormwater runs overland away from the building towards the hill, then down the hillside and away from the site into the wooded area beyond the site. There are signs of erosion in areas when the stormwater flow is concentrated towards the hill.

The signs of erosion create a concern for improvements proposed on the hillside and therefore the design will need to adequately address stormwater runoff to avoid further erosion. Also, on the hillside, the sporadic asphalt remnants should be removed to allow for the proposed design and to minimize safety concerns. It is also worth noting that the proposed plan appears to require the removal of multiple existing playground areas currently in use of the school.



Large rocks and trees near pavilion in location of proposed development



Signs of erosion on hillside

signs of erosion on hillside (2)



Sporadic remnants of asphalt walkway, curbing and platforms on hillside

Park Forrest Middle

The site is located at 2180 School Dr., State College, PA 16803, in Patton Township. The proposed playground is in two sections, one located to the northwest of the building and the other located to the east of the building.

To the east of the building, in the area of the proposed improvements, is an existing stormwater management basin. Beyond a narrow walkway lining the building, the site slopes steeply away from the building into the basin. The basin is grass covered, with a swale leading towards the basin that is rock-lined. In the basin is an outflow structure which discharges to the densely wooded area to the south of the basin. The initial concern noted for this section of the proposed improvements is the proximity to the existing and functioning stormwater management basin, which may pose a safety concern. The proposed embankment slide appears to be positioned to direct user directly into the existing rock-lined swale. The top of the proposed slide is also in close proximity to an existing sanitary manhole. The final location of the proposed improvements should take into consideration the location and function of the existing stormwater management basin.



View of basin on the east side of building, facing west



View of basin and wooded area on east side of the building, facing west

To the northwest of the building, the proposed playground area is at a low elevation directly next to the building, with steep hillsides sloping from high to low towards the building. The hillside is grass covered, with signs of minor erosion. In the low area, there is some existing playground infrastructure with wood chip ground cover. On the high side of the hill are concrete and asphalt walkways and play surfaces. Stormwater flows downhill into the low area. Once in the low area, there is a slight slope towards the south along the building towards a stormwater grate, located in an asphalt area. There are concerns with low points around the building which don't appear to provide positive drainage towards the storm grate, creating a saturated spongy condition. There are also concerns for additional erosion on the hillside in the area of proposed development, if proper erosion control measures are not implemented as part of the plan. Additionally, the proposed treefall area of the new design will be in the direct path of stormwater flow towards the grate, creating a risk of obstruction or washout during rain events.



Low area of proposed playground at northeast of building



Existing storm grate at NW of bldg.

Hillside where development proposed at NW of bldg.

Radio Park Elementary

The site is located at 800 W. Cherry Ln., State College, PA 16803, in State College Borough. The proposed playground is located to the east of the building.

This is an active construction site. The main asphalt play surface is existing and directly next to the building, with fenced construction zones on the remaining 3 sides. The construction zones are dirt covered on either side and gravel in front of the asphalt area. The dirt areas are currently being used to store construction equipment. Beyond the construction zone is an asphalt walkway extending around the building in both directions. Beyond the walkway is a wooded area 10-15 yards deep, beyond which there is an open grassy area of approximately the same width, then more woods beyond that. In this transition area beyond the site exists a large sink hole that is fenced off. The proposed site generally slopes away from the building to allow overland stormwater flow towards the wooded area and ultimately the sink hole. The areas of active construction do not appear to be at final grade elevations yet, but we assume the final grade will provide adequate drainage away from the building. There are two headwalls with stormwater outflow piping on the site. The one to the north appears to collect stormwater from storm grates to the north of the building beyond the area of proposed playground and carry stormwater under the proposed playground site to the outflow, which is positioned just beyond the asphalt walkway. The headwall to the south is similarly positioned just beyond the walkway and appears to collect stormwater either from building roof drains or other storm grates which were not identified during the field view.

The two outflow headwall pipes are located within the footprint of the proposed playground, creating a risk of washout resulting from concentrated flow in those areas. Additionally, a portion of the property is within the FEMA designated 100-year floodplain. Based on the depiction of the floodway found on the approved land development plans for the current project, some of the proposed improvements may be located within the 100-year floodplain.



Asphalt play area from bldg. facing southeast

Active construction in area of north playground



South headwall outflow (note this is within footprint of proposed walkway but beyond existing wooded area)

Spring Creek (Houserville) Elementary

The site is located at 675 Elmwood St., State College, PA 16801, in College Township. The proposed playground is located within the courtyard and to the east of the building.

This is an active construction site. The core area of the building is currently dirt covered due to construction and is graded such that stormwater flows into the core and is collected in a storm inlet in a low point. Beyond the core area there is a high flat area, dirt-covered, which appears to be planned for an asphalt or concrete play surface. On the building side, this flows towards the core area or towards the building on either side of the core opening, with storm inlets to collect stormwater in front of the building on both sides. To the south and east of the high area, the site slopes down steeply away from the site. Within the sloped area there is a drainage swale with an inlet located at the low point which conveys runoff to an on-site stormwater management basin. The only concern noted for this site is the location of the south end of the group swing. This proposed swing is location in close proximity to a stormwater manhole which may create a safety concern for users.



Core area facing east.

Drain (covered by plywood) in proximity of swing #5 loc.

PERMITTING

Centre Region COG

All playground sites are within the Centre Region and Centre Region Council of Governments (COG) Permitting requirements apply to all sites. For playgrounds, applicant is required to obtain a commercial building permit for playground equipment. Design must demonstrate compliance with IBC 2018, Chapter 11 (1110.4.13 Play Areas; 1104 Accessible Routes) and ICC A117.1 Accessible and Usable Building and Facilities (1108.2 Play Areas). Submit 2 copies of plan set, application form and fee deposit. Must demonstrate compliance with local zoning requirements, either by supplying required permits or a letter from the municipality indicating that no permit is required.

Patton Township

Grays Woods Elementary, Park Forrest Elementary and Park Forrest Middle Schools are in Patton Township. The Patton zoning department has indicated that for a playground on a school site, intended for use by the school only, no permit would be necessary from the Township. Applicant will need to obtain a signature from Patton Township indicating this. This can be obtained by scheduling an appointment to bring the Centre Region building permit application package into the Township for their signature and to provide them with a copy for their file.

Ferguson Township

We have made numerous attempts to contact the Township but at this point we have been unable to confirm the permitting requirements.

College Township

Spring Creek Elementary, Mount Nittany Elementary and Mt Nittany Middle schools are in College Township. College Township generally requires zoning permits for land development projects. The zoning office has requested that, when moving forward with a playground project in the municipality, applicant should schedule a sit-down meeting with the zoning department to present and discuss the project. The Township would then make a determination of whether a zoning permit application would require the submission of a minor plan or could be submitted without a plan. In either case, a zoning permit would thereafter be issued for the project.

State College Borough

Corl Street Elementary, Easterly Parkway Elementary, Radio Park Elementary and the Delta Program are located in State College Borough. The Borough generally requires zoning permits for development permits but the permitting requirements for the park projects depend on the scope of the projects. State College Borough has requested that a site plan showing proposed and existing conditions, as well as elevations if available, be submitted for Borough

review. The plans will be reviewed and, depending on the scope, the Borough will either issue a zoning permit or a notice that no permit is required. A full land development plan submission is not required.

PA Department of Environmental Protection (DEP)

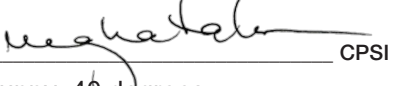
A few of the sites are currently under active construction and presumed to have active PA DEP National Pollution Discharge Elimination System (NPDES) permits for the discharges of stormwater associated with construction activities . If the playground projects should be added to any of these active construction sites prior to their completion, a modification to the existing NPDES permit will likely be necessary to accommodate the development of the proposed playground improvements



PLAYGROUND SAFETY AUDITS

Playground Safety Compliance Audit Form

Inspector (print)Meghan Talarowski

Signature

CPSI #32886-1118

Date10/25/18

Time12:00pm

WeatherSunny, 40 degrees

Playground Name and/or Identification NumberEasterly Parkway Elementary School

Injuries to children may occur from many types of playground equipment and environmental conditions. The checklist on the following pages will help you to assess and correct safety concerns that may be present on or near your playground. While it does not cover every potential safety concern in a children's environment, it is an overview of most known playground safety concerns. The checklist does not apply to home playground equipment, amusement park equipment, or to equipment normally intended for sports use. The checklist also does not address the many important issues of child development that pertain to play.

The playground safety compliance audit form is not a regulatory standard, but a compilation of suggested guidelines based upon the *Public Playground Safety Handbook* written by the U.S. Consumer Product Safety Commission (CPSC)¹ Revised November 2010; American Society for Testing and Materials (ASTM)² F1487-11 Standard; Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas³ (These accessibility standards published in the Federal Register on September 15, 2010 can be found at: <http://www.ada.gov/regs2010/2010ADASTandards/2010ADAstandards.htm>) and expert opinions from individuals with a vast amount of experience in the field of playground safety.

Acknowledgments:

- Created from the "Statewide Comprehensive Injury Prevention Program" (SCIPP), Department of Public Health, 150 Trecost Street, Boston, MA 02111
- Adapted as Wheaton Park District's "Initial Playground Safety Audit" September, 1989, Revised December 20, 1990 and November, 1991, Ken Kutska, CPRP
- Edited and updated June, 1992, by Ken Kutska, CPRP, and Kevin Hoffman, ARM, Park District Risk Management Agency
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 2003, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- ExcelTM formatted 2004, revised citations to 2008 CPSC *Handbook* and ASTM F1487-07ae¹ Standard, August, 2008, by Steve Plumb, CPRP, CPSI
- Revised September 2008 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director
- Revised August 2011 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director

1. U.S. Consumer Product Safety Commission, (CPSC), 4330 East West Highway, Bethesda, MD 20814
2. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive West Conshohocken, Pennsylvania 19428
3. U.S. Access Board, 1331 F Street, NW, Suite 1000, Washington, DC, 20004
(<http://www.ada.gov/regs2010/ADAREgs2010.htm>)

Playground Safety Audit Forms

Background Information

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IMPORTANT: This information has been prepared to assist the agency's attorney in defending potential litigation. Do not release to any person except an agency official, insurance representative, or an investigating police officer.

Play Area:Easterly Parkway Elementary School

Date:10/25/18

Eqpt Type:Composite Structure, Swings, Climbers, Slide, Fitness

Surface:Wood Mulch

Audited By:Meghan Talarowski

Intended User Age:5-12

General Environment

1. Category of Playground: (check all that apply)

☐ Community Park

☒ Public School

☐ Childcare Center

☐ Neighborhood Park/Tot Lot

☐ Private School

Other: _____

2. Equipment Inventory: (indicate the number of equipment pieces that exist)

A. Composite Structures	B. Freestanding Eqpt	C. Site Amenities
stairways/step ladders _____	swings (to-fro) <u>4</u>	benches <u>2</u>
stairways/step ladders _____	rotating swings _____	tables <u>1</u>
rigid climbers <u>3</u>	seesaws <u>1</u>	water fountains _____
flexible climbers _____	slides <u>2</u>	bicycle racks _____
decks/platforms _____	rigid climbers <u>2</u>	wheelchair parking _____
play panels _____	flexible climbers _____	signs (safety) _____
slides _____	upper body eqpt _____	litter barrels _____
sliding poles _____	rocking eqpt _____	fencing <u>X</u>
horizontal ladders <u>1</u>	merry-go-round _____	accessible route to play area _____
horizontal rings _____	spinner (< 20" D) _____	other _____
track rides <u>1</u>	sand play area _____	other _____
crawl tunnels _____	backhoe digger _____	other _____
clatter/other bridges _____	play panels _____	
ramps _____	stepping pods <u>1</u>	
transfer stations _____	net climber _____	
roofs _____	other _____	Balance Beam
other _____	other _____	
other _____	other _____	

General Environment (continued)

3. Playground Perimeter Concerns

Directions: Check all potential concerns that exist, and indicate the actual distance item is from play area border. The owner/operator shall evaluate each border concern for possible mitigation.

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Playground Perimeter Concerns	Distance from Border	Priority Rating	Comments
1st public street	>100'		
2nd public street	>100'		
3rd public street			
4th public street			
streets with heavy traffic			
water (ponds/streams/ditch)			
soccer/football field			
baseball/softball field (home plate)			
basketball court	25'		
parking lot	>100'		
railroad tracks			
trees (not pruned up at least 84" within playground area)			
golf course			
quarry pit (cliff-like condition)			
contaminated area/landfill			
other (specify)			
other (specify)			
other (specify)			

General Environment (continued)

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General Environment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
4. If needed, fence is provided for perimeter concerns. See Pg 2 for list of concerns. (CPSC 2.1) (Fencing Reference ASTM F2049)		X X	4 4	Full perimeter fence recommended
5. Shaded area is provided. (CPSC 2.1.1)		X X	4 4	Shade recommended
6. Play area is visible to deter inappropriate behavior. (CPSC 2.2.4)	X X			
7. Equipment not recommended on public playgrounds include... climbing ropes not secured at both ends, trampolines, swinging gates, giant strides, heavy metal swings (animal swings), rope swings, swinging dual exercise rings and trapeze bars. (CPSC 2.3.1)	X X			
8. Playground is accessed safely by a sidewalk that is free of standing water, pea gravel, and low branches and complies with the DOJ 2010 Standard for Accessible Design (min. 80" overhead clearance, 60" min. width, max. cross slope of 1:50 and max. running slope of 1:20, max. gaps of 1/2" and no vertical rise greater than 1/4" without a beveled edge, and finally there should be no depressions greater than 1/2").		X X	3 3	Only accessible swing on accessible route via asphalt path. Recommend all elements accessed via accessible path.
9. Seating (benches, tables) is in good condition (free of splinters, missing hardware/slats, sharp edges, etc). (exempt from ASTM F1487)	X X			
10. Signs on all bordering streets advise motorists that a playground is nearby.	X X			
11. Trash receptacles are provided and located outside of play area use zone.		X X	4 4	Trash receptacles recommended

Materials and Manufacture

Page 4					August 2011
General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments	
1. Playground equipment is manufactured and constructed only of materials that have a demonstrated durability and comply with the Consumer Product Safety Improvement Act of 2008). (ASTM 4.1.2; CPSC 2.5.1)	X X				
2. Metals subject to structural degradation such as rust or corrosion are painted, galvanized or otherwise treated. (ASTM 4.1.1; CPSC 2.5.1)		X X	2 2	Certain structures have flaking paint and visible rust. Some rust has compromised the structural integrity of the metal and could fail.	
3. Wood materials are naturally rot-resistant or treated to avoid deterioration. (ASTM 4.1.3; CPSC 2.5.5)		X X	3 3	Fitness equipment does not appear to be made of treated wood, has some degradation and could fail.	
4. Plastics and other materials that experience ultraviolet (UV) degradation are UV protected. (ASTM 4.1.1)		X X	4 4	Steppers plastic shell is cracked and could fail. Recommend replacement.	
5. Users cannot ingest, inhale, or absorb any potentially hazardous amounts of substances through body surfaces as a result of contact with the equipment. (ASTM 4.1.2 and 4.1.3; CPSC 2.5.4)	X X				
6. Moving suspended elements are connected to the fixed support w/ bearings or bearing surfaces that serve to reduce friction and wear. (ASTM 4.2.3; CPSC 2.5.2)	X X				
7. Steel cable permanently affixed to a hanger assembly performs as a bearing surface. Cable ends are inaccessible or capped. Cables or steel-cored ropes are protected to prevent fraying, loosening, unraveling, or excessive shifting. (ASTM 4.2.3.1)	X X				
8. Creosote-treated wood and coatings that contain pesticides are not used. (ASTM 4.1.3; CPSC 2.5.5)	N N/A				
9. CCA-treated wood is not used, or is regularly coated (min. once/year) w/ a penetrating sealant or stain. (CPSC 2.5.5.1)		X X	3 3	Fitness equipment is aged and could potentially have CCA. Stain or removal recommended.	
10. Play structures are anchored to the ground and not intended to be relocated. (ASTM 5.3)	X X				

Use Zones

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Stationary Equipment				
1. Use zone extends min. 72" on all sides of structure. Equipment intended for user to maintain contact w/ the ground during play (i.e. talk tubes, activity panels) is exempt from use zone requirements. (ASTM 9.2.1; CPSC 5.3.9)	X			
2. Use zones for 2 or more stationary structures that are play-functionally linked are treated as if separate components are part of a composite unit. (ASTM 9.2.2; CPSC 5.3.9)	N/A			
3. Use zones of stationary equipment and other equipment may overlap. If adjacent designated play surfaces of each structure are < 30", the min. distance between equipment is 72". If adjacent designated play surfaces of either structure are > 30", the min. distance between equipment is 108". (ASTM 9.2.3; CPSC 5.3.10)	X			
B. Rotating Equipment				
1. Minimum use zone for rotating eqpt is 72" from perimeter. No other structure may overlap this use zone. Rotating eqpt < 20" diameter are exempt and may be 72" apart when each have designated play surfaces < 30" high, or 108" apart when one or both have designated play surfaces > 30" high. (ASTM 9.3.2; CPSC 5.3.4.1)	N/A			
2. Single user equipment (i.e. sand diggers) where user maintains contact w/ the ground are exempt from use zone requirements. (ASTM 9.2.1)	N/A			
3. No other structure overlaps the use zone of eqpt that rotates around a horizontal axis w/ a designated play surface > 30". (ASTM 9.3.5)	N/A			

Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
C. To-Fro Swings				
1. Use zone to front and rear of to-fro swing is 2X where X = distance between pivot point and surfacing by width of beam. (ASTM 9.4.1.1; CPSC 5.3.8.3.3) Combination Swing Use Zone should be composed of the individual use zones as defined in 9.4.1 and 9.4.2 or both for the individual suspended elements. (ASTM 9.4.3)		X	2	Surfacing should be full depth to front and rear and 6' on each end. Recommend updating surfacing as soon as possible.
2. For swings w/ fully enclosed To-Fro swing seats, use zone is 2W where W = distance between pivot point and top of occupied sitting surface. (ASTM 9.4.1.2; CPSC 5.3.8.3.3)	N/A			
3. No other play structure overlaps the front-to-rear use zone of a to-fro swing. (ASTM 9.4.1.3; CPSC 5.3.8.3.3)	X			
4. Use zone width is at least as wide as the swing top beam. T-swings use zones have special conditions. (ASTM 9.4.1.4)	X			
5. Use zone around support structure is min. 72" in all directions from the structure. Support structure use zones for adjacent to-fro swings may overlap (6' apart). Support structure use zones may overlap w/ other equipment w/ min. 108" between structures. (ASTM 9.4.1.5; CPSC 5.3.8.3.3)		X	2	Surfacing should be full depth to front and rear and 6' on each end. Recommend updating surfacing as soon as possible.
D. Rotating Swings				
1. Use zone is min. horizontal distance of Y+72", where Y = vertical distance between pivot point and top of swing seat. (ASTM 9.4.2.1; CPSC 5.3.8.4.1)	N/A			
2. No other play structure use zone overlaps rotating swing use zone. (ASTM 9.4.2.2; CPSC 5.3.8.4.1)	N/A			
3. Use zone around support structure is min.72" in all directions from the structure. (ASTM 9.4.2.3; CPSC 5.3.8.4.1)	N/A			
4. Support structures of adjacent rotating swings may overlap (6' apart), however, swing bay clearances (Y+30") are not overlapped. (ASTM 9.4.2.4; CPSC 5.3.8.4.1)	N/A			
5. Support structure use zone may overlap use zone of other equipment w/ min. 108" between structures. (ASTM 9.4.2.5; CPSC 5.3.9)	N/A			

Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
E. Rocking/Springing Equipment				
1. Use zone for equipment intended for sitting is min. 72" in all directions from at-rest perimeter. (ASTM 9.5.1.1; CPSC 5.3.7)	N/A			
2. Use zone of adjacent eqpt may overlap when each structure has max. seat height and/or designated playing surface of less than or equal to 30". (ASTM 9.5.1.2; CPSC 5.3.7)	N/A			
3. Use zone of rocking/springing eqpt may overlap to 72" apart when each structure has max. designated play surface height < 30"; and to 108" apart when either has a designated play surface higher than 30" unless otherwise specified in ASTM Section 9. (ASTM 9.5.1.3; CPSC 5.3.7)	N/A			
4. Use zone for rocking/springing eqpt intended for standing is min. 84" in all directions from the at-rest perimeter. (ASTM 9.5.2.1)	N/A			
5. No other play structure use zone overlaps the standing rocking/springing structure use zone. (ASTM 9.5.2.2)	N/A			
6. Equipment w/ limited movement or eqpt on which user cannot develop enough force to launch or propel themselves away from the eqpt is exempt from these requirements. (ASTM 9.5.2.3)	N/A			
F. Slides				
1. Use zone around steps or ladder, chute, platform or slide bed of straight, wavy, or spiral slides is min. 72" from perimeter. (ASTM 9.6.1; CPSC 5.3.6.5)	X			
2. Use zone at exit is min. X where X = vertical distance from highest point of sliding surface to surfacing. Use zone at slide exit is min. 72" and need not be > 96". (ASTM 9.6.2, 9.6.2.1; CPSC 5.3.6.5)	X			
3. A clear zone, free of equipment, extends min. 21" from inside of each side wall from the end of the slide to the perimeter of the slide use zone. Clearance zones for two or more parallel slide beds may overlap. Clearance zones for converging slides may not overlap. (ASTM 8.5.6, 9.6.3)	X			

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
G. Track Rides				
1. Track ride use zones are min. 72" in all directions from equipment. (ASTM 9.9.1)	X			
H. Composite Structures				
1. Use zone is min. 72" from structure perimeter, and complies w/ use zones established for individual types of eqpt. (ASTM 9.7.1 and 9.7.2; CPSC 5.3.9)	X			
2. Professional judgment may be used to eliminate hazards created by circulation conflicts or adjacent structures that are in close proximity. (ASTM 9.7.2)	X			
I. Placement of Equipment				
1. Sufficient space is provided between all adjacent structures and individual play eqpt for the purposes of play and circulation. (ASTM 9.8; CPSC 2.2.4)	X			
2. In settings where periodic overcrowding is likely, a supplemental circulation area beyond the use zone is provided, using professional judgement of owner/operator. (ASTM 9.8.2 and CPSC 2.2.4)	X			
3. Moving equipment such as swings and rotating equipment are located near the periphery away from circulation routes. (ASTM 9.8.3; CPSC 2.2.4)	X			
4. Overhead obstructions within play structure usezones are min. 84" from each designated play surface, the use zone, or the pivot point of swings. (ASTM 9.8.4.1)	X			
5. Overhead utility line clearances comply w/ all local, state, and national codes such as National Electrical Safety Code. (ASTM 9.8.4.2)	X			

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Maintenance				
1. Owner/Operator maintains detailed installation, inspection, maintenance, and repair records for each playground area. (ASTM 13.3; CPSC 4)		X	5	Recommend retaining records in future.
B. Protective Surfacing				
1. Owner/Operator maintains the protective surfacing within the use zone of each play structure in accordance w/ ASTM F1292 w/ a critical height appropriate for the fall height of each structure, and ASTM F1951 where applicable (ASTM 13.2.1; CPSC 2.4) and the Accessible Route in accordance w/ DOJ 2010 Standard (Section 1008.2.6)		X	3	Surfacing depth is less than recommended and is also not an accessible surface. Recommend replacement by Engineered Wood Fiber, or other accessible surface, to depth per manufacturer.
2. Protective surfacing is maintained free from extraneous materials that could cause injury, infection, or disease. (ASTM 13.2.2; CPSC 4)	X			
3. Surfacing is well-drained and free of standing water. (ASTM 13.2.2; CPSC 2.4.2.2)	X			
4. Written documentation available of laboratory compliance testing ASTM F1292 and F1951 and F2075 for EWF. (ASTM 13.2, 13.3)		X	5	Recommend retaining records after surfacing replacement.
5. Written documentation available of post installation compliance to the appropriate ASTM Standards. (ASTM 13.3)		X	5	Recommend retaining records after surfacing replacement.
C. Labeling				
1. On or near all play structures where applicable have posted a warning label containing... 1) signal word WARNING , 2) safety alert symbol (triangle w/ exclamation point inside) preceding signal word, and 3) warning message "Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls." (ASTM 14.2.5)		X	5	Recommend installing labels.
2. Manufacturer's identification appears, is durable, and is placed on the play structure. (ASTM 15)	X			
D. Information Signage				
1. Signs or labels provide information for age appropriateness of playground. (ASTM 14.2.1)		X	5	Recommend installing labels.
2. Signs or labels provide information stating adult supervision is recommended. (ASTM 14.2.2)		X	5	Recommend installing labels.
3. Sign posted to communicate warning for the need to remove helmets, drawstrings and items around the neck due to strangulation. (ASTM 14.2.3)		X	5	Recommend installing labels.
4. Sign posted to communicate warning about hot play surfaces and surfacing can cause severe burns to young children. (ASTM 14.2.4; CPSC 2.2.6, 2.5.3, 3.2.1)		X	5	Recommend installing labels.
5. Freestanding signs are located outside the equipment use zone to alert the user of the concern in time to take action. (ASTM 14.1.1.2, 14.1.2, 14.1.3)		X	5	Recommend installing signs.

This form is provided so that owner/operators can evaluate appropriate accessibility requirements from the Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas. This Federal Law became enforceable in March of 2011. These items will not be found in ASTM or CPSC documents but the Law is referenced in both. This Section will assist in your assessment of compliance to the minimum requirements of this Standard.

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Outside the play area the Accessible Route (AR) has max. running slope of 1:20 and max. cross slope of 1:50 and a minimum of 60" wide w/ max. abrupt vertical rise – 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 303)	X			
2. Inside the play area the AR is at least 60" wide (W), has max. cross-slope of 1:48, and 80" overhead clearance with max. running slope no steeper than (1:16 within) (DOJ 2010 Standard Sec. 1008.2.5.1) Play areas < 1,000 sq ft may have 44" W AR to play area. When 44" AR is > 30' it must have at least one 60" diameter turning space. (DOJ 2010 Standard Sec. 1008.2.4.1)		X	3	There is space in the play area for an accessible route, however playground surfacing is not compliant. Recommend replacement by Engineered Wood Fiber, or other accessible surface, to depth per manufacturer.
3. Elevated ramps are 36" min. w/ a max. run of 144" and running slope less than or equal to 1:12 (ASTM 7.2.4)	N/A			
4. Landings have min. 60" diameter at top and bottom of each run when there is a change in direction otherwise it must be equal to width of ramp. Landings w/ play elements have 30x48" wheelchair parking area w/out reducing adjacent circulation path to < 36". (ASTM 7.2.5 and DOJ 2010 Standard Sec. 405 and 406)	N/A			
5. Ramps with 2 rails or no rails, barriers beyond the ramp edge, or barriers not extending to w/in 1" of ramp surface must have curb ≥ 2" above the ramp. (ASTM 7.5.5.5 and .6)	N/A			
6. Ramps > 30" H (for 2-5 yrs) or > 48" H (for 5-12 yrs) have barriers. (ASTM 7.5.6.1 and .2)	N/A			
7. Ramps have handrails (0.95" to 1.55") on both sides at height (H) between 26"-28". (ASTM 7.5.5.5 and DOJ 2010 Standard Sec. 1008.2.5.3.1 and .2)	N/A			
8. Transfer point H is between 11-18" w/ clear min. 24" W x 14" D. Transfer steps are max. 8" H w/ handholds to assist with transfer. (DOJ 2010 Standard Sec. 1008.3.1.1 and .2)	N/A			
9. Transfer Point has min. clear space of 60" dia. turning area at base and may overlap parking space but the 48" parking space length (L) dimension must be centered parallel to the 24" W of the transfer platform. (DOJ 2010 Standard Sec. 1008.3.1.3 Transfer Space and ASTM 7.5.4)	N/A			
10. Play area use zone has accessible safety surfacing to all accessible play components. (ASTM 7.1.1) and compliant w/ DOJ 2010 Standard Sec. 1008.2.6 Ground Surfaces)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

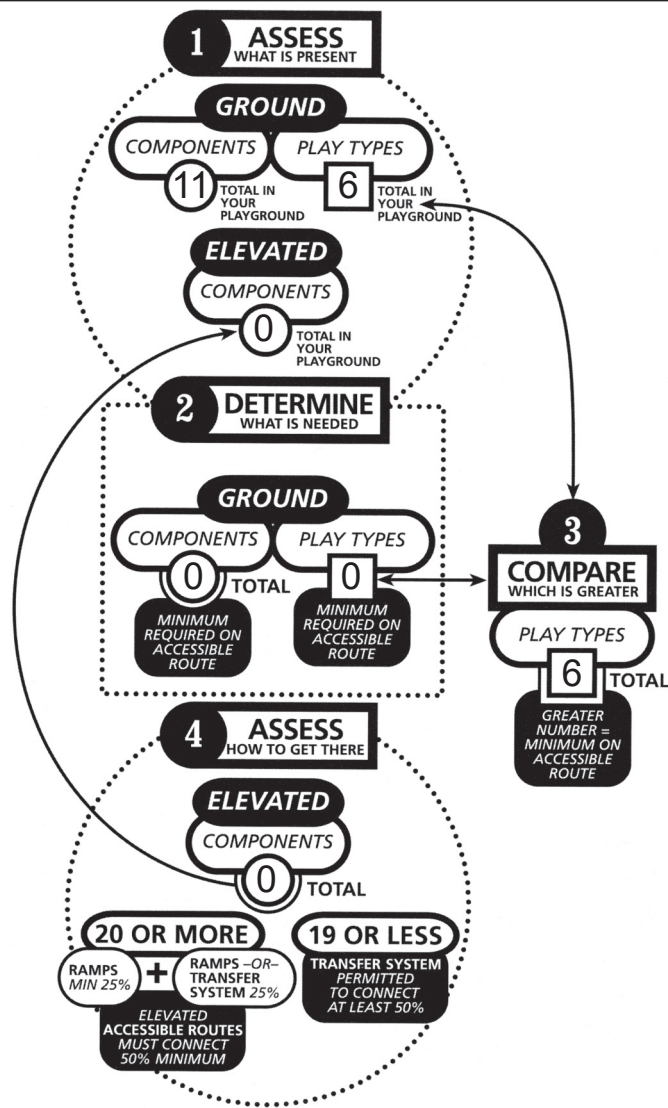
General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
11. Accessible restroom facilities, seating, drinking fountain, and shade are located in or near the play area and on the AR. (DOJ 2010 Standard Sec. 206 Accessible Routes, 206.2.17 Within a Site and Chapter 4)	X			
12. Openings on elevated wheelchair accessible access/egress points are < 15". (ASTM 7.5.6.3 (1-4) (Step Platforms, Ramps, and Upper Body and Accessible Access/Egress Components exempt.) (ASTM 7.5.5.2(3))	N/A			
13. Accessible Ramps and Platforms have – Max. Horizontal openings 0.5" sphere, Max. vertical rise - 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 302.2 and .3)	N/A			
14. Elevated accessible play opportunities designed w/ different access/egress points, such as slides, allow user to return unassisted to original transfer point. (DOJ 2010 Standard – Advisory Section 1008.3)	N/A			
15. Vertical Knee clearance is min. 24"H, 17"D, 30"W and 31"H max top of playing surface. (DOJ 2010 Standard – Section 1008.4.3 Play Tables)	N/A			
16. Accessible upper body eqpt, such as horizontal ladders and rings, are < 54" H. (ASTM 8.3.3)	N/A			
17. Accessible manipulative play eqpt, such as panels, are between 20-36" H for 2-5 year olds and 18-44" H for 5-12 year olds. (DOJ 2010 Standard – Section 1008.4)	N/A			
Refer to Accessibility Flow Chart for Questions 18 and 19 DOJ 2010 Standard Section 240.2 Play Components				
18. A. Where ground level components are provided at least one of each type shall be on AR. (DOJ 2010 Standard Sec. 240.2.1.1)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
B. Meet minimum # Ground Level Play Components and Play Types on AR. (DOJ 2010 Standard Sec. 240.2.1.2)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
19. Elevated AR connects minimum 50% Elevated Play Components by Ramp or Transfer. NOTE: 20 or more Elevated Play Components require minimum of 25% connected by Ramp. If 50% or more elevated play components are accessible by ramp they must be at least 3 different types. (DOJ 2010 Standard Sec. 240.2.1.2)	N/A			
20. All access points along AR conform to DOJ 2010 Standard Section 206.2.17, and Play Areas Section 240; Chapter 4, 402/403 Accessible Routes minimum 1:20 running slope requirements at transition points w/ side slope transition of 1:48.		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

Use Flow Chart for Accessibility Section Questions 18 and 19

Table 240.2.1.2

Number and Types of Ground Level Play Components Required to be on Accessible Routes

Number of Elevated Play Components Provided	Minimum Number of Ground Level Play Components Required to be on an Accessible Route	Minimum Number of Different Types of Ground Level Play Components Required to be on an Accessible Route
1	Not applicable	Not applicable
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
26 and over	8, plus 1 for each additional 3, or fraction thereof, over 25	5



Access and Egress

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Steps/rungs are evenly spaced w/in \pm .25" and horizontal w/in \pm 2". (ASTM 7.2.1)	X			
2. Steps do not allow accumulation of water or debris. (ASTM 7.2.2; CPSC 5.2.1)	X			
3. Stairways, step/rung ladders conform w/ access slope; tread, rung, ramp width; tread depth; rung diameter; and vertical rise for intended user group per ASTM Table 2. (ASTM 7.2.3; CPSC 5.2.1)	X			
4. Ramps intended for access have a max. horizontal run of 144". (ASTM 7.2.4)	N/A			
5. Landings w/ play components include wheelchair parking space w/ an adjacent circulation path \geq 36". (ASTM 7.2.5)	N/A			
6. Continuous handrails are provided on both sides of stairs w/ > 1 tread; stairs w/ 1 tread have handrail or alternate means of support; Handrail height between 22-38" beginning at 1st step. (ASTM 7.2.6; CPSC 5.2.3)	X			
7. Handrails have diameter between .95-1.55". (ASTM 7.2.6.4; CPSC 5.2.2)	X			
8. Arch and flexible climbers not sole means of access for users 2-5. (ASTM 7.3.2.1; CPSC 5.2.1, 5.3.2.2, Table 5)	N/A			
9. Climbers used as access provide a means of hand support for use while climbing. (ASTM 7.3.2.5; CPSC 5.2.2)	N/A			
10. Stairways and stepladders have continuous handrails from access to platform. (ASTM 7.4.1; CPSC 5.2.3)	X			
11. Accesses w/o handrails (rung ladders, arch climbers, flexible components, etc.) have alternate hand gripping component to facilitate this transition to platform. (ASTM 7.4.2; CPSC 5.2.4)	N/A			
12. Stepping surface for final access on rung ladders, arch climbers, and flexible components are not connected above the designated play surface they serve. (ASTM 7.4.3; CPSC 5.2.1)	N/A			

Access and Egress (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
14. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
15. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
16. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
17. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
18. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			
19. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	N/A			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		X	4	Multiple instances of rust. Recommend sand and repaint.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X			

Platforms, Landings, and Walkways

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Platforms are horizontal w/in a tolerance of \pm 2 °. (ASTM 7.5.1; CPSC 5.1.1)	X			
2. Platforms, landings, walkways, and ramps do not trap water and accumulate debris. (ASTM 7.5.2; CPSC 5.1.1)	X			
3. Platforms, landings, walkways, and ramps, and other elevated surfaces that are accessible to wheelchairs provide a min. 36" clear width; clear width may be reduced to 32" for max. 24". (ASTM 7.5.3)	X			
4. Turning and parking spaces provided at a transfer point do not overlap. (ASTM 7.5.4)	N/A			
5. Guardrails contain no designated play surfaces. (ASTM 7.5.5)	N/A			
6. Guardrails are present on elevated surfaces > 20" when intended for 2-5, and > 30" when intended for 5-12. (ASTM 7.5.5.1; CPSC 5.1.3)	N/A			
7. Guardrails surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.5.2; CPSC 5.1.3)	N/A			
8. Top surface of guardrails min. 29" when intended for 2-5, and 38" when intended for 5-12. (ASTM 7.5.5.3; CPSC 5.1.3)	N/A			
9. Lower edge of guardrails max. 23" when intended for 2-5, and 28" when intended for 5-12. (ASTM 7.5.5.4; CPSC 5.1.3)	N/A			
10. Wheelchair accessible ramps requiring guardrails for either 2-5 or 5-12 year olds have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A			
11. Wheelchair accessible ramps have 2" curb at both edges, unless guardrails and barriers don't extend to w/in 1" of ramp surface, or ramp has 2 rails and no barrier, or if barrier is beyond edge of ramp surface. (ASTM 7.5.5.6)	N/A			
12. Barriers contain no designated surface and minimize climbing. (ASTM 7.5.6; CPSC 5.1.3)	N/A			

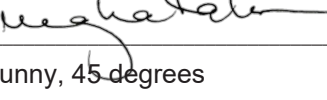
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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Barriers provided on elevated surfaces > 30" when intended for 2-5, and > 48" when intended for 5-12. (ASTM 7.5.6.1)	N/A			
14. Wheelchair accessible ramps that require barriers have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A			
15. Barriers surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.6.3)	N/A			
16. Top surface of barrier is 29" min. when intended for 2-5, and 38" max. when intended for 5-12. (ASTM 7.5.6.4)	N/A			
17. Adjacent platforms w/ height difference > 12" when intended for 2-5 or > 18" when intended for 5-12 have an access component. (ASTM 7.5.7.1)	N/A			
18. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
19. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
20. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
21. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
22. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
23. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
24. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	X			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	X			
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X			

Playground Safety Compliance Audit Form

Inspector (print) Meghan TalarowskiSignature  CPSI # 32886-1118

Date 10/25/18Time 3:00pmWeather Sunny, 45 degrees

Playground Name and/or Identification Number Ferguson Elementary School

Injuries to children may occur from many types of playground equipment and environmental conditions. The checklist on the following pages will help you to assess and correct safety concerns that may be present on or near your playground. While it does not cover every potential safety concern in a children's environment, it is an overview of most known playground safety concerns. The checklist does not apply to home playground equipment, amusement park equipment, or to equipment normally intended for sports use. The checklist also does not address the many important issues of child development that pertain to play.

The playground safety compliance audit form is not a regulatory standard, but a compilation of suggested guidelines based upon the *Public Playground Safety Handbook* written by the U.S. Consumer Product Safety Commission (CPSC)¹ Revised November 2010; American Society for Testing and Materials (ASTM)² F1487-11 Standard; Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas³ (These accessibility standards published in the Federal Register on September 15, 2010 can be found at: <http://www.ada.gov/regs2010/2010ADASTandards/2010ADAstandards.htm>) and expert opinions from individuals with a vast amount of experience in the field of playground safety.

Acknowledgments:

- Created from the "Statewide Comprehensive Injury Prevention Program" (SCIPP), Department of Public Health, 150 Trecost Street, Boston, MA 02111
- Adapted as Wheaton Park District's "Initial Playground Safety Audit" September, 1989, Revised December 20, 1990 and November, 1991, Ken Kutska, CPRP
- Edited and updated June, 1992, by Ken Kutska, CPRP, and Kevin Hoffman, ARM, Park District Risk Management Agency
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
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- ExcelTM formatted 2004, revised citations to 2008 CPSC *Handbook* and ASTM F1487-07ae¹ Standard, August, 2008, by Steve Plumb, CPRP, CPSI
- Revised September 2008 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director
- Revised August 2011 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director

1. U.S. Consumer Product Safety Commission, (CPSC), 4330 East West Highway, Bethesda, MD 20814
2. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive West Conshohocken, Pennsylvania 19428
3. U.S. Access Board, 1331 F Street, NW, Suite 1000, Washington, DC, 20004

(<http://www.ada.gov/regs2010/ADAregs2010.htm>)

Page 1

Background Information

IMPORTANT: This information has been prepared to assist the agency's attorney in defending potential litigation. Do not release to any person except an agency official, insurance representative, or an investigating police officer.

Ferguson Elementary School

10/25/18

10/25/18

Composite Structures, Swings, Climbers, Slide, Panels

Wood Mulch

Meghan Talarowski

5-12

General Environment

1. Category of Playground: (check all that apply)

Community Park

Public School

Childcare Center

Neighborhood Park/Tot Lot

Private School

Other:

2. Equipment Inventory: (indicate the number of equipment pieces that exist)

A. Composite Structures

stairways/step ladders

stairways/step ladders

rigid climbers

flexible climbers

decks/platforms

play panels

slides

sliding poles

horizontal ladders

horizontal rings

track rides

crawl tunnels

clatter/other bridges

ramps

transfer stations

roofs

other

other

B. Freestanding Eqpt

swings (to-fro)

rotating swings

seesaws

slides

rigid climbers

flexible climbers

upper body eqpt

rocking eqpt

merry-go-round

spinner (< 20" D)

sand play area

backhoe digger

play panels

stepping pods

net climber

other

other

other

C. Site Amenities

benches

tables

water fountains

bicycle racks

wheelchair parking

signs (safety)

litter barrels

fencing

accessible route to play area

other

other

other

Balance Beam

Tunnel

Page 165 metcalfe

General Environment (continued)

3. Playground Perimeter Concerns

Directions: Check all potential concerns that exist, and indicate the actual distance item is from play area border. The owner/operator shall evaluate each border concern for possible mitigation.

Page 2August 2011

Playground Perimeter Concerns	Distance from Border	Priority Rating	Comments
1st public street	>100'		
2nd public street	>100'		
3rd public street			
4th public street			
streets with heavy traffic			
water (ponds/streams/ditch)			
soccer/football field			
baseball/softball field (home plate)			
basketball court	6'		
parking lot	50'		Recommend fencing between play area and parking lot.
railroad tracks			
trees (not pruned up at least 84" within playground area)			
golf course			
quarry pit (cliff-like condition)			
contaminated area/landfill			
other (specify)			
other (specify)			
other (specify)			

General Environment (continued)

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General Environment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
4. If needed, fence is provided for perimeter concerns. See Pg 2 for list of concerns. (CPSC 2.1) (Fencing Reference ASTM F2049)	X X			
5. Shaded area is provided. (CPSC 2.1.1)		X X	4 4	Shade recommended
6. Play area is visible to deter inappropriate behavior. (CPSC 2.2.4)	X X			
7. Equipment not recommended on public playgrounds include... climbing ropes not secured at both ends, trampolines, swinging gates, giant strides, heavy metal swings (animal swings), rope swings, swinging dual exercise rings and trapeze bars. (CPSC 2.3.1)	X X			
8. Playground is accessed safely by a sidewalk that is free of standing water, pea gravel, and low branches and complies with the DOJ 2010 Standard for Accessible Design (min. 80" overhead clearance, 60" min. width, max. cross slope of 1:50 and max. running slope of 1:20, max. gaps of 1/2" and no vertical rise greater than 1/4" without a beveled edge, and finally there should be no depressions greater than 1/2").		X X	3 3	Playground is accessed via surface asphalt from building. Playground surfacing is not compliant however, and is recommended to be replaced by Engineered Wood Fiber, or other accessible surface
9. Seating (benches, tables) is in good condition (free of splinters, missing hardware/slats, sharp edges, etc). (exempt from ASTM F1487)	N N	A A		
10. Signs on all bordering streets advise motorists that a playground is nearby.	X X			
11. Trash receptacles are provided and located outside of play area use zone.		X X	4 4	Trash receptacles recommended

Materials and Manufacture

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Playground equipment is manufactured and constructed only of materials that have a demonstrated durability and comply with the Consumer Product Safety Improvement Act of 2008. (ASTM 4.1.2; CPSC 2.5.1)	X X			
2. Metals subject to structural degradation such as rust or corrosion are painted, galvanized or otherwise treated. (ASTM 4.1.1; CPSC 2.5.1)		X X	2 2	Certain structures have flaking paint and visible rust. Some rust has compromised the structural integrity of the metal and could fail.
3. Wood materials are naturally rot-resistant or treated to avoid deterioration. (ASTM 4.1.3; CPSC 2.5.5)		X X	3 3	Sand box wood is degraded and should be replaced.
4. Plastics and other materials that experience ultraviolet (UV) degradation are UV protected. (ASTM 4.1.1)	X X			
5. Users cannot ingest, inhale, or absorb any potentially hazardous amounts of substances through body surfaces as a result of contact with the equipment. (ASTM 4.1.2 and 4.1.3; CPSC 2.5.4)	X X			
6. Moving suspended elements are connected to the fixed support w/ bearings or bearing surfaces that serve to reduce friction and wear. (ASTM 4.2.3; CPSC 2.5.2)	X X			
7. Steel cable permanently affixed to a hanger assembly performs as a bearing surface. Cable ends are inaccessible or capped. Cables or steel-cored ropes are protected to prevent fraying, loosening, unraveling, or excessive shifting. (ASTM 4.2.3.1)	X X			
8. Creosote-treated wood and coatings that contain pesticides are not used. (ASTM 4.1.3; CPSC 2.5.5)		X X	3 3	Sand box wood is of unknown origin and could have pesticides.
9. CCA-treated wood is not used, or is regularly coated (min. once/year) w/ a penetrating sealant or stain. (CPSC 2.5.5.1)		X X	3 3	Sand box wood is of unknown origin and could have CCA.
10. Play structures are anchored to the ground and not intended to be relocated. (ASTM 5.3)	X X			

Use Zones

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Stationary Equipment				
1. Use zone extends min. 72" on all sides of structure. Equipment intended for user to maintain contact w/ the ground during play (i.e. talk tubes, activity panels) is exempt from use zone requirements. (ASTM 9.2.1; CPSC 5.3.9)	X			
2. Use zones for 2 or more stationary structures that are play-functionally linked are treated as if separate components are part of a composite unit. (ASTM 9.2.2; CPSC 5.3.9)	N/A			
3. Use zones of stationary equipment and other equipment may overlap. If adjacent designated play surfaces of each structure are < 30", the min. distance between equipment is 72". If adjacent designated play surfaces of either structure are > 30", the min. distance between equipment is 108". (ASTM 9.2.3; CPSC 5.3.10)	X			
B. Rotating Equipment				
1. Minimum use zone for rotating eqpt is 72" from perimeter. No other structure may overlap this use zone. Rotating eqpt < 20" diameter are exempt and may be 72" apart when each have designated play surfaces < 30" high, or 108" apart when one or both have designated play surfaces > 30" high. (ASTM 9.3.2; CPSC 5.3.4.1)	N/A			
2. Single user equipment (i.e. sand diggers) where user maintains contact w/ the ground are exempt from use zone requirements. (ASTM 9.2.1)	N/A			
3. No other structure overlaps the use zone of eqpt that rotates around a horizontal axis w/ a designated play surface > 30". (ASTM 9.3.5)	N/A			

Accessibility

This form is provided so that owner/operators can evaluate appropriate accessibility requirements from the Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas. This Federal Law became enforceable in March of 2011. These items will not be found in ASTM or CPSC documents but the Law is referenced in both. This Section will assist in your assessment of compliance to the minimum requirements of this Standard.

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Outside the play area the Accessible Route (AR) has max. running slope of 1:20 and max. cross slope of 1:50 and a minimum of 60" wide w/ max. abrupt vertical rise – 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 303)	X			
2. Inside the play area the AR is at least 60" wide (W), has max. cross-slope of 1:48, and 80" overhead clearance with max. running slope no steeper than (1:16 within) (DOJ 2010 Standard Sec. 1008.2.5.1) Play areas < 1,000 sq ft may have 44" W AR to play area. When 44" AR is > 30' it must have at least one 60" diameter turning space. (DOJ 2010 Standard Sec. 1008.2.4.1)		X	3	There is space in the play area for an accessible route, however playground surfacing is not compliant. Recommend replacement by Engineered Wood Fiber, or other accessible surface, to depth per manufacturer.
3. Elevated ramps are 36" min. w/ a max. run of 144" and running slope less than or equal to 1:12 (ASTM 7.2.4)	N/A			
4. Landings have min. 60" diameter at top and bottom of each run when there is a change in direction otherwise it must be equal to width of ramp. Landings w/ play elements have 30x48" wheelchair parking area w/out reducing adjacent circulation path to < 36". (ASTM 7.2.5 and DOJ 2010 Standard Sec. 405 and 406)	N/A			
5. Ramps with 2 rails or no rails, barriers beyond the ramp edge, or barriers not extending to w/in 1" of ramp surface must have curb ≥ 2" above the ramp. (ASTM 7.5.5.5 and .6)	N/A			
6. Ramps > 30" H (for 2-5 yrs) or > 48" H (for 5-12 yrs) have barriers. (ASTM 7.5.6.1 and .2)	N/A			
7. Ramps have handrails (0.95" to 1.55") on both sides at height (H) between 26"-28". (ASTM 7.5.5.5 and DOJ 2010 Standard Sec. 1008.2.5.3.1 and .2)	N/A			
8. Transfer point H is between 11-18" w/ clear min. 24" W x 14" D. Transfer steps are max. 8" H w/ handholds to assist with transfer. (DOJ 2010 Standard Sec. 1008.3.1.1 and .2)	N/A			
9. Transfer Point has min. clear space of 60" dia. turning area at base and may overlap parking space but the 48" parking space length (L) dimension must be centered parallel to the 24" W of the transfer platform. (DOJ 2010 Standard Sec. 1008.3.1.3 Transfer Space and ASTM 7.5.4)	N/A			
10. Play area use zone has accessible safety surfacing to all accessible play components. (ASTM 7.1.1) and compliant w/ DOJ 2010 Standard Sec. 1008.2.6 Ground Surfaces)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

Accessibility (continued)

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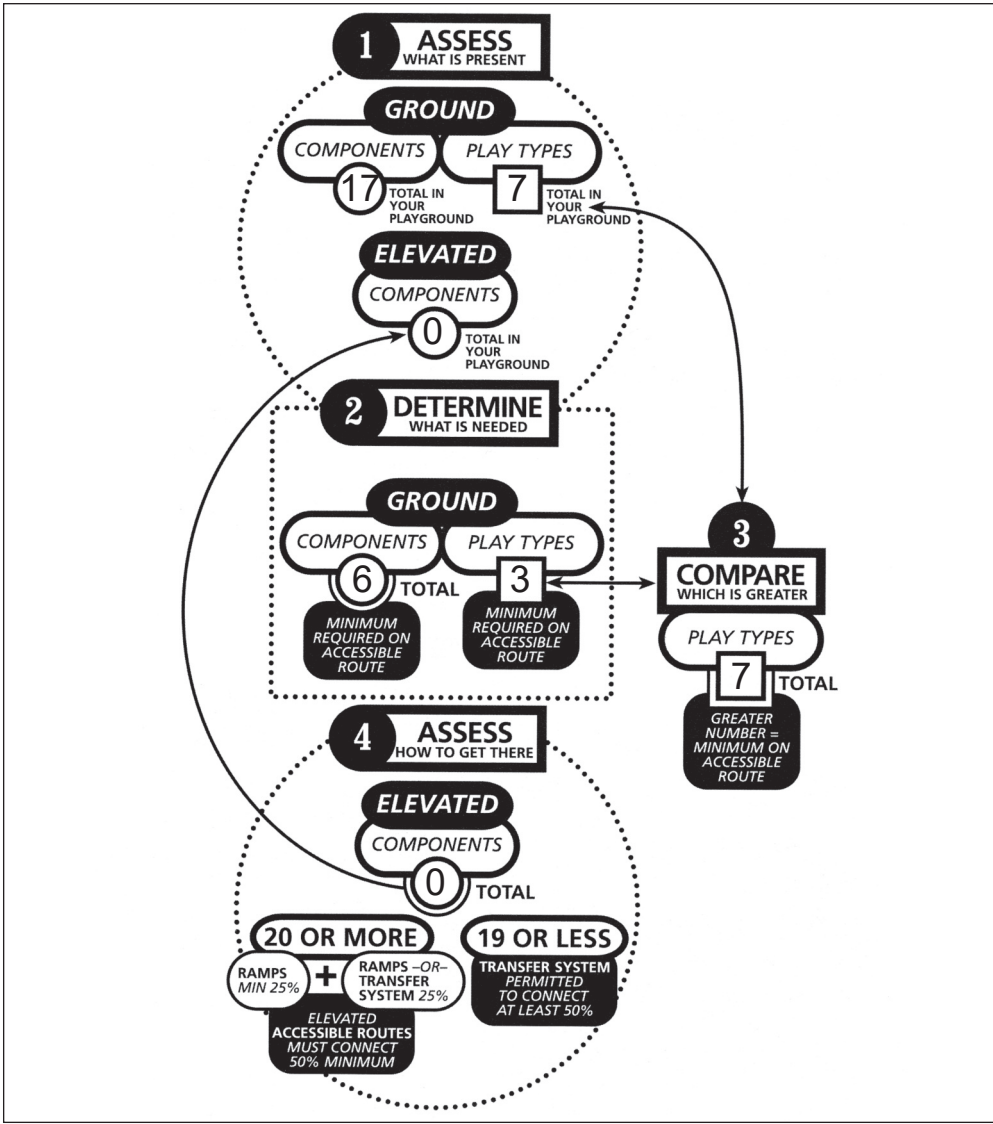
August 2011

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
11. Accessible restroom facilities, seating, drinking fountain, and shade are located in or near the play area and on the AR. (DOJ 2010 Standard Sec. 206 Accessible Routes, 206.2.17 Within a Site and Chapter 4)	X			
12. Openings on elevated wheelchair accessible access/egress points are < 15". (ASTM 7.5.6.3 (1-4) (Step Platforms, Ramps, and Upper Body and Accessible Access/Egress Components exempt.) (ASTM 7.5.5.2(3))	N/A			
13. Accessible Ramps and Platforms have – Max. Horizontal openings 0.5" sphere, Max. vertical rise - 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 302.2 and .3)	N/A			
14. Elevated accessible play opportunities designed w/ different access/egress points, such as slides, allow user to return unassisted to original transfer point. (DOJ 2010 Standard – Advisory Section 1008.3)	N/A			
15. Vertical Knee clearance is min. 24"H, 17"D, 30"W and 31"H max top of playing surface. (DOJ 2010 Standard – Section 1008.4.3 Play Tables)	N/A			
16. Accessible upper body eqpt, such as horizontal ladders and rings, are < 54" H. (ASTM 8.3.3)	N/A			
17. Accessible manipulative play eqpt, such as panels, are between 20-36" H for 2-5 year olds and 18-44" H for 5-12 year olds. (DOJ 2010 Standard – Section 1008.4)	N/A			
Refer to Accessibility Flow Chart for Questions 18 and 19 DOJ 2010 Standard Section 240.2 Play Components				
18. A. Where ground level components are provided at least one of each type shall be on AR. (DOJ 2010 Standard Sec. 240.2.1.1)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
B. Meet minimum # Ground Level Play Components and Play Types on AR. (DOJ 2010 Standard Sec. 240.2.1.2)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
19. Elevated AR connects minimum 50% Elevated Play Components by Ramp or Transfer. NOTE: 20 or more Elevated Play Components require minimum of 25% connected by Ramp. If 50% or more elevated play components are accessible by ramp they must be at least 3 different types. (DOJ 2010 Standard Sec. 240.2.1.2)	N/A			
20. All access points along AR conform to DOJ 2010 Standard Section 206.2.17, and Play Areas Section 240; Chapter 4, 402/403 Accessible Routes minimum 1:20 running slope requirements at transition points w/ side slope transition of 1:48.		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

Use Flow Chart for Accessibility Section Questions 18 and 19

Table 240.2.1.2
Number and Types of Ground Level Play Components Required to be on Accessible Routes

Number of Elevated Play Components Provided	Minimum Number of Ground Level Play Components Required to be on an Accessible Route	Minimum Number of Different Types of Ground Level Play Components Required to be on an Accessible Route
1	Not applicable	Not applicable
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
26 and over	8, plus 1 for each additional 3, or fraction thereof, over 25	5



Access and Egress

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Steps/rungs are evenly spaced w/in ± .25" and horizontal w/in ± 2". (ASTM 7.2.1)	X			
2. Steps do not allow accumulation of water or debris. (ASTM 7.2.2; CPSC 5.2.1)	X			
3. Stairways, step/rung ladders conform w/ access slope; tread, rung, ramp width; tread depth; rung diameter; and vertical rise for intended user group per ASTM Table 2. (ASTM 7.2.3; CPSC 5.2.1)	X			
4. Ramps intended for access have a max. horizontal run of 144". (ASTM 7.2.4)	N/A			
5. Landings w/ play components include wheelchair parking space w/ an adjacent circulation path ≥ 36". (ASTM 7.2.5)	N/A			
6. Continuous handrails are provided on both sides of stairs w/ > 1 tread; stairs w/ 1 tread have handrail or alternate means of support; Handrail height between 22-38" beginning at 1st step. (ASTM 7.2.6; CPSC 5.2.3)	X			
7. Handrails have diameter between .95-1.55". (ASTM 7.2.6.4; CPSC 5.2.2)	X			
8. Arch and flexible climbers not sole means of access for users 2-5. (ASTM 7.3.2.1; CPSC 5.2.1, 5.3.2.2, Table 5)	N/A			
9. Climbers used as access provide a means of hand support for use while climbing. (ASTM 7.3.2.5; CPSC 5.2.2)	N/A			
10. Stairways and stepladders have continuous handrails from access to platform. (ASTM 7.4.1; CPSC 5.2.3)	X			
11. Accesses w/o handrails (rung ladders, arch climbers, flexible components, etc.) have alternate hand gripping component to facilitate this transition to platform. (ASTM 7.4.2; CPSC 5.2.4)	N/A			
12. Stepping surface for final access on rung ladders, arch climbers, and flexible components are not connected above the designated play surface they serve. (ASTM 7.4.3; CPSC 5.2.1)	N/A			

Access and Egress (continued)

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August 2011

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
14. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
15. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
16. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
17. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
18. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			
19. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	N/A			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		X	4	Multiple instances of rust. Recommend sand and repaint.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X			

Platforms, Landings, and Walkways

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August 2011

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Platforms are horizontal w/in a tolerance of ± 2 °. (ASTM 7.5.1; CPSC 5.1.1)	X			
2. Platforms, landings, walkways, and ramps do not trap water and accumulate debris. (ASTM 7.5.2; CPSC 5.1.1)	X			
3. Platforms, landings, walkways, and ramps, and other elevated surfaces that are accessible to wheelchairs provide a min. 36" clear width; clear width may be reduced to 32" for max. 24". (ASTM 7.5.3)	X			
4. Turning and parking spaces provided at a transfer point do not overlap. (ASTM 7.5.4)	N/A			
5. Guardrails contain no designated play surfaces. (ASTM 7.5.5)	N/A			
6. Guardrails are present on elevated surfaces > 20" when intended for 2-5, and > 30" when intended for 5-12. (ASTM 7.5.5.1; CPSC 5.1.3)	N/A			
7. Guardrails surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.5.2; CPSC 5.1.3)	N/A			
8. Top surface of guardrails min. 29" when intended for 2-5, and 38" when intended for 5-12. (ASTM 7.5.5.3; CPSC 5.1.3)	N/A			
9. Lower edge of guardrails max. 23" when intended for 2-5, and 28" when intended for 5-12. (ASTM 7.5.5.4; CPSC 5.1.3)	N/A			
10. Wheelchair accessible ramps requiring guardrails for either 2-5 or 5-12 year olds have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A			
11. Wheelchair accessible ramps have 2" curb at both edges, unless guardrails and barriers don't extend to w/in 1" of ramp surface, or ramp has 2 rails and no barrier, or if barrier is beyond edge of ramp surface. (ASTM 7.5.5.6)	N/A			
12. Barriers contain no designated surface and minimize climbing. (ASTM 7.5.6; CPSC 5.1.3)	N/A			

Platforms, Landings, and Walkways (continued)

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August 2011

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Barriers provided on elevated surfaces > 30" when intended for 2-5, and > 48" when intended for 5-12. (ASTM 7.5.6.1)	N/A			
14. Wheelchair accessible ramps that require barriers have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A			
15. Barriers surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.6.3)	N/A			
16. Top surface of barrier is 29" min. when intended for 2-5, and 38" max. when intended for 5-12. (ASTM 7.5.6.4)	N/A			
17. Adjacent platforms w/ height difference > 12" when intended for 2-5 or > 18" when intended for 5-12 have an access component. (ASTM 7.5.7.1)	N/A			
18. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
19. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
20. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
21. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
22. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
23. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			

Platforms, Landings, and Walkways (continued)

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August 2011

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
24. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	X			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	X			
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X			

Playground Safety Compliance Audit Form

Inspector (print) Meghan Talarowski Signature [Signature] CPSI # 32886-1118
Date 10/24/18 Time 11:00am Weather Sunny, 45 degrees
Playground Name and/or Identification Number Grays Woods Elementary School

Injuries to children may occur from many types of playground equipment and environmental conditions. The checklist on the following pages will help you to assess and correct safety concerns that may be present on or near your playground. While it does not cover every potential safety concern in a children's environment, it is an overview of most known playground safety concerns. The checklist does not apply to home playground equipment, amusement park equipment, or to equipment normally intended for sports use. The checklist also does not address the many important issues of child development that pertain to play.

The playground safety compliance audit form is not a regulatory standard, but a compilation of suggested guidelines based upon the *Public Playground Safety Handbook* written by the U.S. Consumer Product Safety Commission (CPSC)¹ Revised November 2010; American Society for Testing and Materials (ASTM)² F1487-11 Standard; Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas³ (These accessibility standards published in the Federal Register on September 15, 2010 can be found at: <http://www.ada.gov/regs2010/2010ADASTandards/2010ADAstandards.htm>) and expert opinions from individuals with a vast amount of experience in the field of playground safety.

Acknowledgments:

- Created from the "Statewide Comprehensive Injury Prevention Program" (SCIPP), Department of Public Health, 150 Trecost Street, Boston, MA 02111
- Adapted as Wheaton Park District's "Initial Playground Safety Audit" September, 1989, Revised December 20, 1990 and November, 1991, Ken Kutska, CPRP
- Edited and updated June, 1992, by Ken Kutska, CPRP, and Kevin Hoffman, ARM, Park District Risk Management Agency
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
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- Excel™ formatted 2004, revised citations to 2008 CPSC *Handbook* and ASTM F1487-07ae¹ Standard, August, 2008, by Steve Plumb, CPRP, CPSI
- Revised September 2008 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director
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(<http://www.ada.gov/regs2010/ADAREgs2010.htm>)

Playground Safety Audit Forms

Background Information

Page 1

IMPORTANT: This information has been prepared to assist the agency's attorney in defending potential litigation. Do not release to any person except an agency official, insurance representative, or an investigating police officer.

Play Area: Grays Woods Elementary School Date: 10/24/18
Eqpt Type: Composite Structure, Swings, Fitness Equipment, Climber Surface: Wood Mulch
Audited By: Meghan Talarowski Intended User Age: 5-12

General Environment

1. Category of Playground: (check all that apply)
☐ Community Park ☒ Public School ☐ Childcare Center
☐ Neighborhood Park/Tot Lot ☐ Private School Other: _____

2. Equipment Inventory: (indicate the number of equipment pieces that exist)

A. Composite Structures	B. Freestanding Eqpt	C. Site Amenities
stairways/step ladders 2	swings (to-fro) 1	benches
stairways/step ladders	rotating swings	tables 1
rigid climbers 1	seesaws	water fountains
flexible climbers 2	slides	bicycle racks
decks/platforms 4	rigid climbers 1	wheelchair parking
play panels 3	flexible climbers	signs (safety)
slides 6	upper body eqpt 2	litter barrels
sliding poles	rocking eqpt 4	fencing X
horizontal ladders 1	merry-go-round	accessible route to play area X
horizontal rings	spinner (< 20" D)	other
track rides	sand play area	other
crawl tunnels	backhoe digger	other
clatter/other bridges	play panels	other
ramps	stepping pods 1	
transfer stations 2	net climber	Tunnel
roofs	other	
other	other	
other	other	

General Environment (continued)

3. Playground Perimeter Concerns

Directions: Check all potential concerns that exist, and indicate the actual distance item is from play area border. The owner/operator shall evaluate each border concern for possible mitigation.

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Playground Perimeter Concerns	Distance from Border	Priority Rating	Comments
1st public street	>100'		
2nd public street	>100'		
3rd public street			
4th public street			
streets with heavy traffic			
water (ponds/streams/ditch)			
soccer/football field			
baseball/softball field (home plate)			
basketball court	5'		
parking lot	50'		Consider a fence between playground and parking lot
railroad tracks			
trees (not pruned up at least 84" within playground area)			
golf course			
quarry pit (cliff-like condition)			
contaminated area/landfill			
other (specify)			
other (specify)			
other (specify)			

General Environment (continued)

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General Environment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
4. If needed, fence is provided for perimeter concerns. See Pg 2 for list of concerns. (CPSC 2.1) (Fencing Reference ASTM F2049)		X X	3 3	Consider a fence between playground and parking lot
5. Shaded area is provided. (CPSC 2.1.1)		X X	4 4	Shade recommended
6. Play area is visible to deter inappropriate behavior. (CPSC 2.2.4)	X X			
7. Equipment not recommended on public playgrounds include... climbing ropes not secured at both ends, trampolines, swinging gates, giant strides, heavy metal swings (animal swings), rope swings, swinging dual exercise rings and trapeze bars. (CPSC 2.3.1)	X X			
8. Playground is accessed safely by a sidewalk that is free of standing water, pea gravel, and low branches and complies with the DOJ 2010 Standard for Accessible Design (min. 80" overhead clearance, 60" min. width, max. cross slope of 1:50 and max. running slope of 1:20, max. gaps of 1/2" and no vertical rise greater than 1/4" without a beveled edge, and finally there should be no depressions greater than 1/2").		X X	3 3	Playground is accessed via surface asphalt from building. Playground surfacing is not compliant however, and is recommended to be replaced by Engineered Wood Fiber, or other accessible surface.
9. Seating (benches, tables) is in good condition (free of splinters, missing hardware/slats, sharp edges, etc). (exempt from ASTM F1487)	X X			
10. Signs on all bordering streets advise motorists that a playground is nearby.	X X			
11. Trash receptacles are provided and located outside of play area use zone.		X X	4 4	Trash receptacles recommended

Materials and Manufacture

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments	
1. Playground equipment is manufactured and constructed only of materials that have a demonstrated durability and comply with the Consumer Product Safety Improvement Act of 2008). (ASTM 4.1.2; CPSC 2.5.1)	X X				
2. Metals subject to structural degradation such as rust or corrosion are painted, galvanized or otherwise treated. (ASTM 4.1.1; CPSC 2.5.1)		X X	2 2	Certain structures have flaking paint and visible rust. Some rust has compromised the structural integrity of the metal and could fail.	
3. Wood materials are naturally rot-resistant or treated to avoid deterioration. (ASTM 4.1.3; CPSC 2.5.5)	N N/A				
4. Plastics and other materials that experience ultraviolet (UV) degradation are UV protected. (ASTM 4.1.1)	X X				
5. Users cannot ingest, inhale, or absorb any potentially hazardous amounts of substances through body surfaces as a result of contact with the equipment. (ASTM 4.1.2 and 4.1.3; CPSC 2.5.4)	X X				
6. Moving suspended elements are connected to the fixed support w/ bearings or bearing surfaces that serve to reduce friction and wear. (ASTM 4.2.3; CPSC 2.5.2)	X X				
7. Steel cable permanently affixed to a hanger assembly performs as a bearing surface. Cable ends are inaccessible or capped. Cables or steel-cored ropes are protected to prevent fraying, loosening, unraveling, or excessive shifting. (ASTM 4.2.3.1)	X X				
8. Creosote-treated wood and coatings that contain pesticides are not used. (ASTM 4.1.3; CPSC 2.5.5)	N N/A				
9. CCA-treated wood is not used, or is regularly coated (min. once/year) w/ a penetrating sealant or stain. (CPSC 2.5.5.1)	N N/A				
10. Play structures are anchored to the ground and not intended to be relocated. (ASTM 5.3)	X X				

Use Zones

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Stationary Equipment				
1. Use zone extends min. 72" on all sides of structure. Equipment intended for user to maintain contact w/ the ground during play (i.e. talk tubes, activity panels) is exempt from use zone requirements. (ASTM 9.2.1; CPSC 5.3.9)		X	2	Truck climber does not have compliant use zone and should be removed.
2. Use zones for 2 or more stationary structures that are play-functionally linked are treated as if separate components are part of a composite unit. (ASTM 9.2.2; CPSC 5.3.9)	N/A			
3. Use zones of stationary equipment and other equipment may overlap. If adjacent designated play surfaces of each structure are < 30", the min. distance between equipment is 72". If adjacent designated play surfaces of either structure are > 30", the min. distance between equipment is 108". (ASTM 9.2.3; CPSC 5.3.10)	N/A			
B. Rotating Equipment				
1. Minimum use zone for rotating eqpt is 72" from perimeter. No other structure may overlap this use zone. Rotating eqpt < 20" diameter are exempt and may be 72" apart when each have designated play surfaces < 30" high, or 108" apart when one or both have designated play surfaces > 30" high. (ASTM 9.3.2; CPSC 5.3.4.1)	N/A			
2. Single user equipment (i.e. sand diggers) where user maintains contact w/ the ground are exempt from use zone requirements. (ASTM 9.2.1)	N/A			
3. No other structure overlaps the use zone of eqpt that rotates around a horizontal axis w/ a designated play surface > 30". (ASTM 9.3.5)	N/A			

Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
C. To-Fro Swings				
1. Use zone to front and rear of to-fro swing is 2X where X = distance between pivot point and surfacing by width of beam. (ASTM 9.4.1.1; CPSC 5.3.8.3.3) Combination Swing Use Zone should be composed of the individual use zones as defined in 9.4.1 and 9.4.2 or both for the individual suspended elements. (ASTM 9.4.3)		X	3	Surfacing should be full depth to front and rear and 6' on each end. Recommend updating surfacing.
2. For swings w/ fully enclosed To-Fro swing seats, use zone is 2W where W = distance between pivot point and top of occupied sitting surface. (ASTM 9.4.1.2; CPSC 5.3.8.3.3)	N/A			
3. No other play structure overlaps the front-to-rear use zone of a to-fro swing. (ASTM 9.4.1.3; CPSC 5.3.8.3.3)	X			
4. Use zone width is at least as wide as the swing top beam. T-swings use zones have special conditions. (ASTM 9.4.1.4)	X			
5. Use zone around support structure is min. 72" in all directions from the structure. Support structure use zones for adjacent to-fro swings may overlap (6' apart). Support structure use zones may overlap w/ other equipment w/ min. 108" between structures. (ASTM 9.4.1.5; CPSC 5.3.8.3.3)		X	3	Surfacing should be full depth to front and rear and 6' on each end. Recommend updating surfacing.
D. Rotating Swings				
1. Use zone is min. horizontal distance of Y+72", where Y = vertical distance between pivot point and top of swing seat. (ASTM 9.4.2.1; CPSC 5.3.8.4.1)	N/A			
2. No other play structure use zone overlaps rotating swing use zone. (ASTM 9.4.2.2; CPSC 5.3.8.4.1)	N/A			
3. Use zone around support structure is min.72" in all directions from the structure. (ASTM 9.4.2.3; CPSC 5.3.8.4.1)	N/A			
4. Support structures of adjacent rotating swings may overlap (6' apart), however, swing bay clearances (Y+30") are not overlapped. (ASTM 9.4.2.4; CPSC 5.3.8.4.1)	N/A			
5. Support structure use zone may overlap use zone of other equipment w/ min. 108" between structures. (ASTM 9.4.2.5; CPSC 5.3.9)	N/A			

Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
E. Rocking/Springing Equipment				
1. Use zone for equipment intended for sitting is min. 72" in all directions from at-rest perimeter. (ASTM 9.5.1.1; CPSC 5.3.7)	X			
2. Use zone of adjacent eqpt may overlap when each structure has max. seat height and/or designated playing surface of less than or equal to 30". (ASTM 9.5.1.2; CPSC 5.3.7)	X			
3. Use zone of rocking/springing eqpt may overlap to 72" apart when each structure has max. designated play surface height < 30"; and to 108" apart when either has a designated play surface higher than 30" unless otherwise specified in ASTM Section 9. (ASTM 9.5.1.3; CPSC 5.3.7)	X			
4. Use zone for rocking/springing eqpt intended for standing is min. 84" in all directions from the at-rest perimeter. (ASTM 9.5.2.1)	N/A			
5. No other play structure use zone overlaps the standing rocking/springing structure use zone. (ASTM 9.5.2.2)	X			
6. Equipment w/ limited movement or eqpt on which user cannot develop enough force to launch or propel themselves away from the eqpt is exempt from these requirements. (ASTM 9.5.2.3)	X			
F. Slides				
1. Use zone around steps or ladder, chute, platform or slide bed of straight, wavy, or spiral slides is min. 72" from perimeter. (ASTM 9.6.1; CPSC 5.3.6.5)	X			
2. Use zone at exit is min. X where X = vertical distance from highest point of sliding surface to surfacing. Use zone at slide exit is min. 72" and need not be > 96". (ASTM 9.6.2, 9.6.2.1; CPSC 5.3.6.5)	X			
3. A clear zone, free of equipment, extends min. 21" from inside of each side wall from the end of the slide to the perimeter of the slide use zone. Clearance zones for two or more parallel slide beds may overlap. Clearance zones for converging slides may not overlap. (ASTM 8.5.6, 9.6.3)	X			

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
G. Track Rides				
1. Track ride use zones are min. 72" in all directions from equipment. (ASTM 9.9.1)	N/A			
H. Composite Structures				
1. Use zone is min. 72" from structure perimeter, and complies w/ use zones established for individual types of eqpt. (ASTM 9.7.1 and 9.7.2; CPSC 5.3.9)	X			
2. Professional judgment may be used to eliminate hazards created by circulation conflicts or adjacent structures that are in close proximity. (ASTM 9.7.2)	X			
I. Placement of Equipment				
1. Sufficient space is provided between all adjacent structures and individual play eqpt for the purposes of play and circulation. (ASTM 9.8; CPSC 2.2.4)	X			
2. In settings where periodic overcrowding is likely, a supplemental circulation area beyond the use zone is provided, using professional judgement of owner/operator. (ASTM 9.8.2 and CPSC 2.2.4)	X			
3. Moving equipment such as swings and rotating equipment are located near the periphery away from circulation routes. (ASTM 9.8.3; CPSC 2.2.4)	X			
4. Overhead obstructions within play structure usezones are min. 84" from each designated play surface, the use zone, or the pivot point of swings. (ASTM 9.8.4.1)	X			
5. Overhead utility line clearances comply w/ all local, state, and national codes such as National Electrical Safety Code. (ASTM 9.8.4.2)	X			

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Maintenance				
1. Owner/Operator maintains detailed installation, inspection, maintenance, and repair records for each playground area. (ASTM 13.3; CPSC 4)		X	5	Recommend retaining records in future.
B. Protective Surfacing				
1. Owner/Operator maintains the protective surfacing within the use zone of each play structure in accordance w/ ASTM F1292 w/ a critical height appropriate for the fall height of each structure, and ASTM F1951 where applicable (ASTM 13.2.1; CPSC 2.4) and the Accessible Route in accordance w/ DOJ 2010 Standard (Section 1008.2.6)		X	3	Surfacing depth is less than recommended and is also not an accessible surface. Recommend replacement by Engineered Wood Fiber, or other accessible surface, to depth per manufacturer.
2. Protective surfacing is maintained free from extraneous materials that could cause injury, infection, or disease. (ASTM 13.2.2; CPSC 4)	X			
3. Surfacing is well-drained and free of standing water. (ASTM 13.2.2; CPSC 2.4.2.2)	X			
4. Written documentation available of laboratory compliance testing ASTM F1292 and F1951 and F2075 for EWF. (ASTM 13.2, 13.3)		X	5	Recommend retaining records after surfacing replacement.
5. Written documentation available of post installation compliance to the appropriate ASTM Standards. (ASTM 13.3)		X	5	Recommend retaining records after surfacing replacement.
C. Labeling				
1. On or near all play structures where applicable have posted a warning label containing... 1) signal word WARNING , 2) safety alert symbol (triangle w/ exclamation point inside) preceding signal word, and 3) warning message "Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls." (ASTM 14.2.5)		X	5	Recommend installing labels.
2. Manufacturer's identification appears, is durable, and is placed on the play structure. (ASTM 15)	X			
D. Information Signage				
1. Signs or labels provide information for age appropriateness of playground. (ASTM 14.2.1)		X	5	Recommend installing labels.
2. Signs or labels provide information stating adult supervision is recommended. (ASTM 14.2.2)		X	5	Recommend installing labels.
3. Sign posted to communicate warning for the need to remove helmets, drawstrings and items around the neck due to strangulation. (ASTM 14.2.3)		X	5	Recommend installing labels.
4. Sign posted to communicate warning about hot play surfaces and surfacing can cause severe burns to young children. (ASTM 14.2.4; CPSC 2.2.6, 2.5.3, 3.2.1)		X	5	Recommend installing labels.
5. Freestanding signs are located outside the equipment use zone to alert the user of the concern in time to take action. (ASTM 14.1.1.2, 14.1.2, 14.1.3)		X	5	Recommend installing signs.

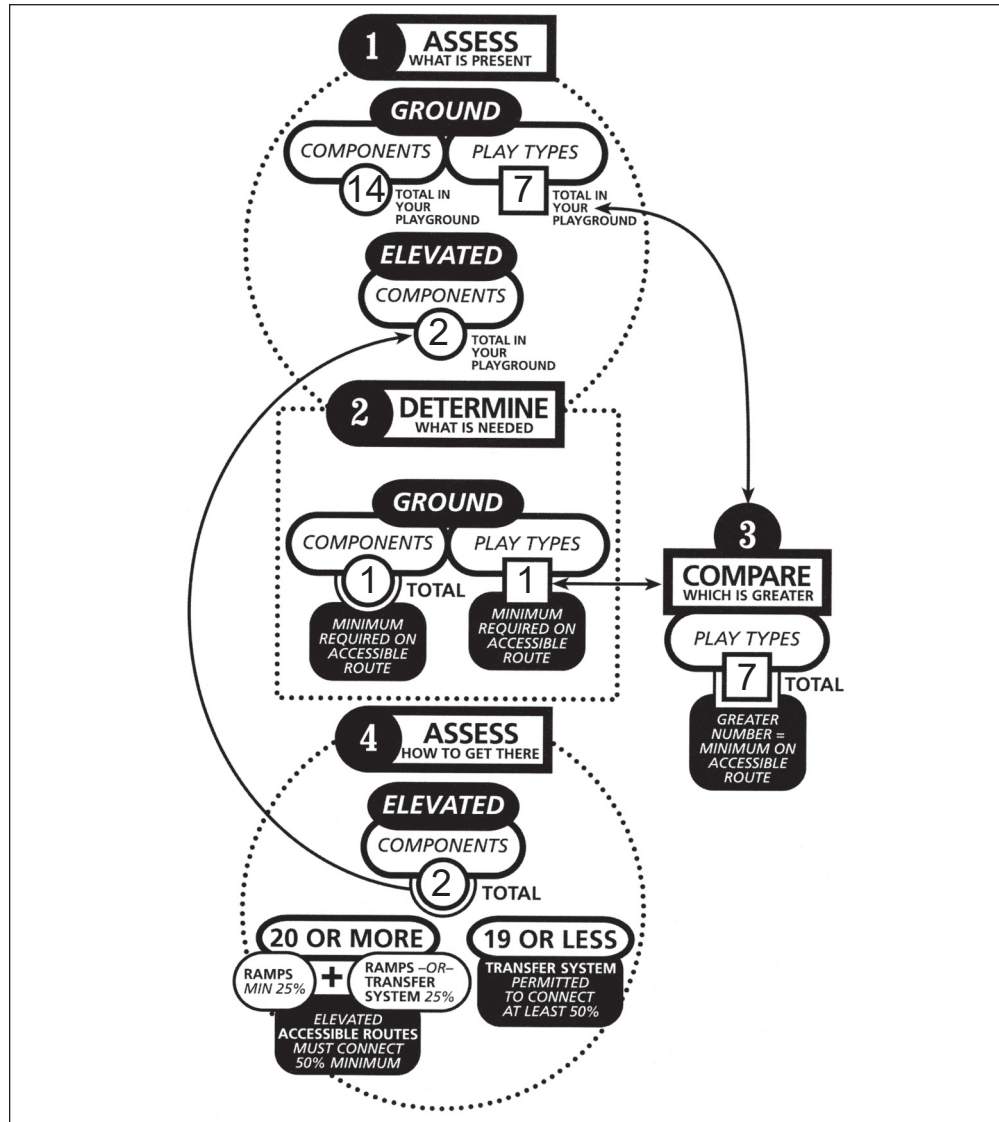
This form is provided so that owner/operators can evaluate appropriate accessibility requirements from the Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas. This Federal Law became enforceable in March of 2011. These items will not be found in ASTM or CPSC documents but the Law is referenced in both. This Section will assist in your assessment of compliance to the minimum requirements of this Standard.

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Outside the play area the Accessible Route (AR) has max. running slope of 1:20 and max. cross slope of 1:50 and a minimum of 60" wide w/ max. abrupt vertical rise – 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 303)	X			
2. Inside the play area the AR is at least 60" wide (W), has max. cross-slope of 1:48, and 80" overhead clearance with max. running slope no steeper than (1:16 within) (DOJ 2010 Standard Sec. 1008.2.5.1) Play areas < 1,000 sq ft may have 44" W AR to play area. When 44" AR is > 30' it must have at least one 60" diameter turning space. (DOJ 2010 Standard Sec. 1008.2.4.1)		X	3	There is space in the play area for an accessible route, however playground surfacing is not compliant. Recommend replacement by Engineered Wood Fiber, or other accessible surface, to depth per manufacturer.
3. Elevated ramps are 36" min. w/ a max. run of 144" and running slope less than or equal to 1:12 (ASTM 7.2.4)	N/A			
4. Landings have min. 60" diameter at top and bottom of each run when there is a change in direction otherwise it must be equal to width of ramp. Landings w/ play elements have 30x48" wheelchair parking area w/out reducing adjacent circulation path to < 36". (ASTM 7.2.5 and DOJ 2010 Standard Sec. 405 and 406)	N/A			
5. Ramps with 2 rails or no rails, barriers beyond the ramp edge, or barriers not extending to w/in 1" of ramp surface must have curb ≥ 2" above the ramp. (ASTM 7.5.5.5 and .6)	N/A			
6. Ramps > 30" H (for 2-5 yrs) or > 48" H (for 5-12 yrs) have barriers. (ASTM 7.5.6.1 and .2)	N/A			
7. Ramps have handrails (0.95" to 1.55") on both sides at height (H) between 26"-28". (ASTM 7.5.5.5 and DOJ 2010 Standard Sec. 1008.2.5.3.1 and .2)	N/A			
8. Transfer point H is between 11-18" w/ clear min. 24" W x 14" D. Transfer steps are max. 8" H w/ handholds to assist with transfer. (DOJ 2010 Standard Sec. 1008.3.1.1 and .2)	X			
9. Transfer Point has min. clear space of 60" dia. turning area at base and may overlap parking space but the 48" parking space length (L) dimension must be centered parallel to the 24" W of the transfer platform. (DOJ 2010 Standard Sec. 1008.3.1.3 Transfer Space and ASTM 7.5.4)	X			
10. Play area use zone has accessible safety surfacing to all accessible play components. (ASTM 7.1.1) and compliant w/ DOJ 2010 Standard Sec. 1008.2.6 Ground Surfaces)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
11. Accessible restroom facilities, seating, drinking fountain, and shade are located in or near the play area and on the AR. (DOJ 2010 Standard Sec. 206 Accessible Routes, 206.2.17 Within a Site and Chapter 4)	X			
12. Openings on elevated wheelchair accessible access/egress points are < 15". (ASTM 7.5.6.3 (1-4) (Step Platforms, Ramps, and Upper Body and Accessible Access/Egress Components exempt.) (ASTM 7.5.5.2(3))	N/A			
13. Accessible Ramps and Platforms have – Max. Horizontal openings 0.5" sphere, Max. vertical rise - 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 302.2 and .3)	N/A			
14. Elevated accessible play opportunities designed w/ different access/egress points, such as slides, allow user to return unassisted to original transfer point. (DOJ 2010 Standard – Advisory Section 1008.3)	X			
15. Vertical Knee clearance is min. 24"H, 17"D, 30"W and 31"H max top of playing surface. (DOJ 2010 Standard – Section 1008.4.3 Play Tables)	N/A			
16. Accessible upper body eqpt, such as horizontal ladders and rings, are < 54" H. (ASTM 8.3.3)	N/A			
17. Accessible manipulative play eqpt, such as panels, are between 20-36" H for 2-5 year olds and 18-44" H for 5-12 year olds. (DOJ 2010 Standard – Section 1008.4)	X			
Refer to Accessibility Flow Chart for Questions 18 and 19 DOJ 2010 Standard Section 240.2 Play Components				
18. A. Where ground level components are provided at least one of each type shall be on AR. (DOJ 2010 Standard Sec. 240.2.1.1)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
B. Meet minimum # Ground Level Play Components and Play Types on AR. (DOJ 2010 Standard Sec. 240.2.1.2)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
19. Elevated AR connects minimum 50% Elevated Play Components by Ramp or Transfer. NOTE: 20 or more Elevated Play Components require minimum of 25% connected by Ramp. If 50% or more elevated play components are accessible by ramp they must be at least 3 different types. (DOJ 2010 Standard Sec. 240.2.1.2)	N/A			
20. All access points along AR conform to DOJ 2010 Standard Section 206.2.17, and Play Areas Section 240; Chapter 4, 402/403 Accessible Routes minimum 1:20 running slope requirements at transition points w/ side slope transition of 1:48.		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

Use Flow Chart for Accessibility Section Questions 18 and 19

Table 240.2.1.2 Number and Types of Ground Level Play Components Required to be on Accessible Routes		
Number of Elevated Play Components Provided	Minimum Number of Ground Level Play Components Required to be on an Accessible Route	Minimum Number of Different Types of Ground Level Play Components Required to be on an Accessible Route
1	Not applicable	Not applicable
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
26 and over	8, plus 1 for each additional 3, or fraction thereof, over 25	5



Access and Egress

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Steps/rungs are evenly spaced w/in \pm .25" and horizontal w/in \pm 2". (ASTM 7.2.1)	X			
2. Steps do not allow accumulation of water or debris. (ASTM 7.2.2; CPSC 5.2.1)	X			
3. Stairways, step/rung ladders conform w/ access slope; tread, rung, ramp width; tread depth; rung diameter; and vertical rise for intended user group per ASTM Table 2. (ASTM 7.2.3; CPSC 5.2.1)	X			
4. Ramps intended for access have a max. horizontal run of 144". (ASTM 7.2.4)	N/A			
5. Landings w/ play components include wheelchair parking space w/ an adjacent circulation path \geq 36". (ASTM 7.2.5)	X			
6. Continuous handrails are provided on both sides of stairs w/ > 1 tread; stairs w/ 1 tread have handrail or alternate means of support; Handrail height between 22-38" beginning at 1st step. (ASTM 7.2.6; CPSC 5.2.3)	X			
7. Handrails have diameter between .95-1.55". (ASTM 7.2.6.4; CPSC 5.2.2)	X			
8. Arch and flexible climbers not sole means of access for users 2-5. (ASTM 7.3.2.1; CPSC 5.2.1, 5.3.2.2, Table 5)	X			
9. Climbers used as access provide a means of hand support for use while climbing. (ASTM 7.3.2.5; CPSC 5.2.2)	X			
10. Stairways and stepladders have continuous handrails from access to platform. (ASTM 7.4.1; CPSC 5.2.3)	X			
11. Accesses w/o handrails (rung ladders, arch climbers, flexible components, etc.) have alternate hand gripping component to facilitate this transition to platform. (ASTM 7.4.2; CPSC 5.2.4)	X			
12. Stepping surface for final access on rung ladders, arch climbers, and flexible components are not connected above the designated play surface they serve. (ASTM 7.4.3; CPSC 5.2.1)	X			

Access and Egress (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
14. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
15. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
16. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
17. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
18. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			
19. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)		X	4	Fastener is broken, another fastener is loose, recommend replacement.
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	N/A			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		X	4	Stairs are rusting, recommend replacement.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X			

Platforms, Landings, and Walkways

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Platforms are horizontal w/in a tolerance of \pm 2 °. (ASTM 7.5.1; CPSC 5.1.1)	X			
2. Platforms, landings, walkways, and ramps do not trap water and accumulate debris. (ASTM 7.5.2; CPSC 5.1.1)	X			
3. Platforms, landings, walkways, and ramps, and other elevated surfaces that are accessible to wheelchairs provide a min. 36" clear width; clear width may be reduced to 32" for max. 24". (ASTM 7.5.3)	X			
4. Turning and parking spaces provided at a transfer point do not overlap. (ASTM 7.5.4)	N/A			
5. Guardrails contain no designated play surfaces. (ASTM 7.5.5)	X			
6. Guardrails are present on elevated surfaces > 20" when intended for 2-5, and > 30" when intended for 5-12. (ASTM 7.5.5.1; CPSC 5.1.3)	X			
7. Guardrails surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.5.2; CPSC 5.1.3)	X			
8. Top surface of guardrails min. 29" when intended for 2-5, and 38" when intended for 5-12. (ASTM 7.5.5.3; CPSC 5.1.3)	X			
9. Lower edge of guardrails max. 23" when intended for 2-5, and 28" when intended for 5-12. (ASTM 7.5.5.4; CPSC 5.1.3)	X			
10. Wheelchair accessible ramps requiring guardrails for either 2-5 or 5-12 year olds have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A			
11. Wheelchair accessible ramps have 2" curb at both edges, unless guardrails and barriers don't extend to w/in 1" of ramp surface, or ramp has 2 rails and no barrier, or if barrier is beyond edge of ramp surface. (ASTM 7.5.5.6)	N/A			
12. Barriers contain no designated surface and minimize climbing. (ASTM 7.5.6; CPSC 5.1.3)	X			

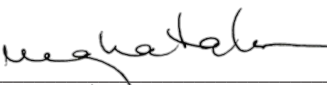
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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Barriers provided on elevated surfaces > 30" when intended for 2-5, and > 48" when intended for 5-12. (ASTM 7.5.6.1)	X			
14. Wheelchair accessible ramps that require barriers have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A			
15. Barriers surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.6.3)	X			
16. Top surface of barrier is 29" min. when intended for 2-5, and 38" max. when intended for 5-12. (ASTM 7.5.6.4)	X			
17. Adjacent platforms w/ height difference > 12" when intended for 2-5 or > 18" when intended for 5-12 have an access component. (ASTM 7.5.7.1)	X			
18. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
19. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
20. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
21. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
22. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
23. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
24. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	X			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	X			
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X			

Playground Safety Compliance Audit Form

Inspector (print) Meghan TalarowskiSignature  CPSI # 32886-1118

Date 10/26/18Time 10:30amWeather Sunny, 35 degrees

Playground Name and/or Identification Number Mt. Nittany Elementary School

Injuries to children may occur from many types of playground equipment and environmental conditions. The checklist on the following pages will help you to assess and correct safety concerns that may be present on or near your playground. While it does not cover every potential safety concern in a children's environment, it is an overview of most known playground safety concerns. The checklist does not apply to home playground equipment, amusement park equipment, or to equipment normally intended for sports use. The checklist also does not address the many important issues of child development that pertain to play.

The playground safety compliance audit form is not a regulatory standard, but a compilation of suggested guidelines based upon the *Public Playground Safety Handbook* written by the U.S. Consumer Product Safety Commission (CPSC)¹ Revised November 2010; American Society for Testing and Materials (ASTM)² F1487-11 Standard; Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas³ (These accessibility standards published in the Federal Register on September 15, 2010 can be found at: <http://www.ada.gov/regs2010/2010ADAStandards/2010ADAstandards.htm>) and expert opinions from individuals with a vast amount of experience in the field of playground safety.

Acknowledgments:

- Created from the "Statewide Comprehensive Injury Prevention Program" (SCIPP), Department of Public Health, 150 Trecost Street, Boston, MA 02111
- Adapted as Wheaton Park District's "Initial Playground Safety Audit" September, 1989, Revised December 20, 1990 and November, 1991, Ken Kutska, CPRP
- Edited and updated June, 1992, by Ken Kutska, CPRP, and Kevin Hoffman, ARM, Park District Risk Management Agency
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 2003, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- ExcelTM formatted 2004, revised citations to 2008 CPSC *Handbook* and ASTM F1487-07ae¹ Standard, August, 2008, by Steve Plumb, CPRP, CPSI
- Revised September 2008 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director
- Revised August 2011 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director

1. U.S. Consumer Product Safety Commission, (CPSC), 4330 East West Highway, Bethesda, MD 20814

2. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive West Conshohocken, Pennsylvania 19428

3. U.S. Access Board, 1331 F Street, NW, Suite 1000, Washington, DC, 20004

(<http://www.ada.gov/regs2010/ADAregs2010.htm>)

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Playground Safety Audit FormsBackground Information

IMPORTANT: This information has been prepared to assist the agency's attorney in defending potential litigation. Do not release to any person except an agency official, insurance representative, or an investigating police officer.

Play Area: Mt. Nittany Elementary SchoolDate: 10/26/18

Eqpt Type: Composite Structure, Swings, Climbers, Slide, SpinnerSurface: Wood Mulch

Audited By: Meghan TalarowskiIntended User Age: 5-12

General Environment

1. Category of Playground: (check all that apply)

Community Park

Public SchoolX

Childcare Center

Neighborhood Park/Tot Lot

Private School

Other:

2. Equipment Inventory: (indicate the number of equipment pieces that exist)

A. Composite Structures

stairways/step ladders1

stairways/step ladders

rigid climbers2

flexible climbers

decks/platforms3

play panels

slides2

sliding poles

horizontal ladders

horizontal rings

track rides

crawl tunnels

clatter/other bridges

ramps

transfer stations

roofs

other

other

B. Freestanding Eqpt

swings (to-fro)5

rotating swings

seesaws1

slides1

rigid climbers2

flexible climbers

upper body eqpt

rocking eqpt

merry-go-round1

spinner (< 20" D)2

sand play area

backhoe digger

play panels

stepping pods

net climber

other

other

other

C. Site Amenities

benches1

tables3

water fountains

bicycle racks

wheelchair parking

signs (safety)

litter barrels

fencing

accessible route to play area

other

other

other

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General Environment (continued)

3. Playground Perimeter Concerns

Directions: Check all potential concerns that exist, and indicate the actual distance item is from play area border. The owner/operator shall evaluate each border concern for possible mitigation.

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Playground Perimeter Concerns	Distance from Border	Priority Rating	Comments
1st public street	>100'		
2nd public street	>100'		
3rd public street			
4th public street			
streets with heavy traffic			
water (ponds/streams/ditch)			
soccer/football field			
baseball/softball field (home plate)			
basketball court	25'		
parking lot	25'		Recommend fencing between play area and parking lot
railroad tracks			
trees (not pruned up at least 84" within playground area)			
golf course			
quarry pit (cliff-like condition)			
contaminated area/landfill			
other (specify)			
other (specify)			
other (specify)			

General Environment (continued)

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General Environment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
4. If needed, fence is provided for perimeter concerns. See Pg 2 for list of concerns. (CPSC 2.1) (Fencing Reference ASTM F2049)		X X	3 3	Recommend fencing between play area and parking lot
5. Shaded area is provided. (CPSC 2.1.1)		X X	4 4	Shade recommended
6. Play area is visible to deter inappropriate behavior. (CPSC 2.2.4)	X X			
7. Equipment not recommended on public playgrounds include... climbing ropes not secured at both ends, trampolines, swinging gates, giant strides, heavy metal swings (animal swings), rope swings, swinging dual exercise rings and trapeze bars. (CPSC 2.3.1)	X X			
8. Playground is accessed safely by a sidewalk that is free of standing water, pea gravel, and low branches and complies with the DOJ 2010 Standard for Accessible Design (min. 80" overhead clearance, 60" min. width, max. cross slope of 1:50 and max. running slope of 1:20, max. gaps of 1/2" and no vertical rise greater than 1/4" without a beveled edge, and finally there should be no depressions greater than 1/2").		X X	3 3	Playground is accessed via surface asphalt from building. Playground surfacing is not compliant however, and is recommended to be replaced by Engineered Wood Fiber, or other accessible surface. Infill around play features to provide accessibility to all.
9. Seating (benches, tables) is in good condition (free of splinters, missing hardware/slats, sharp edges, etc). (exempt from ASTM F1487)	NN/AA			
10. Signs on all bordering streets advise motorists that a playground is nearby.	X X			
11. Trash receptacles are provided and located outside of play area use zone.		X X	4 4	Trash receptacles recommended

Materials and Manufacture

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Playground equipment is manufactured and constructed only of materials that have a demonstrated durability and comply with the Consumer Product Safety Improvement Act of 2008). (ASTM 4.1.2; CPSC 2.5.1)	X X			
2. Metals subject to structural degradation such as rust or corrosion are painted, galvanized or otherwise treated. (ASTM 4.1.1; CPSC 2.5.1)		X X	2 2	Certain structures have flaking paint and visible rust. Some rust has compromised the structural integrity of the metal and could fail.
3. Wood materials are naturally rot-resistant or treated to avoid deterioration. (ASTM 4.1.3; CPSC 2.5.5)		x X	3 3	Sand box wood is degraded and should be replaced.
4. Plastics and other materials that experience ultraviolet (UV) degradation are UV protected. (ASTM 4.1.1)	X X			
5. Users cannot ingest, inhale, or absorb any potentially hazardous amounts of substances through body surfaces as a result of contact with the equipment. (ASTM 4.1.2 and 4.1.3; CPSC 2.5.4)	X X			
6. Moving suspended elements are connected to the fixed support w/ bearings or bearing surfaces that serve to reduce friction and wear. (ASTM 4.2.3; CPSC 2.5.2)	X X			
7. Steel cable permanently affixed to a hanger assembly performs as a bearing surface. Cable ends are inaccessible or capped. Cables or steel-cored ropes are protected to prevent fraying, loosening, unraveling, or excessive shifting. (ASTM 4.2.3.1)	X X			
8. Creosote-treated wood and coatings that contain pesticides are not used. (ASTM 4.1.3; CPSC 2.5.5)		X X	3 3	Sand box wood is of unknown origin and could have pesticides.
9. CCA-treated wood is not used, or is regularly coated (min. once/year) w/ a penetrating sealant or stain. (CPSC 2.5.5.1)		X X	3 3	Sand box wood is of unknown origin and could have CCA.
10. Play structures are anchored to the ground and not intended to be relocated. (ASTM 5.3)	X X			

Use Zones

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Stationary Equipment				
1. Use zone extends min. 72" on all sides of structure. Equipment intended for user to maintain contact w/ the ground during play (i.e. talk tubes, activity panels) is exempt from use zone requirements. (ASTM 9.2.1; CPSC 5.3.9)	X			
2. Use zones for 2 or more stationary structures that are play-functionally linked are treated as if separate components are part of a composite unit. (ASTM 9.2.2; CPSC 5.3.9)	N/A			
3. Use zones of stationary equipment and other equipment may overlap. If adjacent designated play surfaces of each structure are < 30", the min. distance between equipment is 72". If adjacent designated play surfaces of either structure are > 30", the min. distance between equipment is 108". (ASTM 9.2.3; CPSC 5.3.10)	X			
B. Rotating Equipment				
1. Minimum use zone for rotating eqpt is 72" from perimeter. No other structure may overlap this use zone. Rotating eqpt < 20" diameter are exempt and may be 72" apart when each have designated play surfaces < 30" high, or 108" apart when one or both have designated play surfaces > 30" high. (ASTM 9.3.2; CPSC 5.3.4.1)	X			
2. Single user equipment (i.e. sand diggers) where user maintains contact w/ the ground are exempt from use zone requirements. (ASTM 9.2.1)	N/A			
3. No other structure overlaps the use zone of eqpt that rotates around a horizontal axis w/ a designated play surface > 30". (ASTM 9.3.5)	X			

Accessibility

This form is provided so that owner/operators can evaluate appropriate accessibility requirements from the Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas. This Federal Law became enforceable in March of 2011. These items will not be found in ASTM or CPSC documents but the Law is referenced in both. This Section will assist in your assessment of compliance to the minimum requirements of this Standard.

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Outside the play area the Accessible Route (AR) has max. running slope of 1:20 and max. cross slope of 1:50 and a minimum of 60" wide w/ max. abrupt vertical rise – 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 303)	X			
2. Inside the play area the AR is at least 60" wide (W), has max. cross-slope of 1:48, and 80" overhead clearance with max. running slope no steeper than (1:16 within) (DOJ 2010 Standard Sec. 1008.2.5.1) Play areas < 1,000 sq ft may have 44" W AR to play area. When 44" AR is > 30' it must have at least one 60" diameter turning space. (DOJ 2010 Standard Sec. 1008.2.4.1)		X	3	There is space in the play area for an accessible route, however playground surfacing is not compliant. Recommend replacement by Engineered Wood Fiber, or other accessible surface, to depth per manufacturer.
3. Elevated ramps are 36" min. w/ a max. run of 144" and running slope less than or equal to 1:12 (ASTM 7.2.4)	N/A			
4. Landings have min. 60" diameter at top and bottom of each run when there is a change in direction otherwise it must be equal to width of ramp. Landings w/ play elements have 30x48" wheelchair parking area w/out reducing adjacent circulation path to < 36". (ASTM 7.2.5 and DOJ 2010 Standard Sec. 405 and 406)	N/A			
5. Ramps with 2 rails or no rails, barriers beyond the ramp edge, or barriers not extending to w/in 1" of ramp surface must have curb ≥ 2" above the ramp. (ASTM 7.5.5.5 and .6)	N/A			
6. Ramps > 30" H (for 2-5 yrs) or > 48" H (for 5-12 yrs) have barriers. (ASTM 7.5.6.1 and .2)	N/A			
7. Ramps have handrails (0.95" to 1.55") on both sides at height (H) between 26"-28". (ASTM 7.5.5.5 and DOJ 2010 Standard Sec. 1008.2.5.3.1 and .2)	N/A			
8. Transfer point H is between 11-18" w/ clear min. 24" W x 14" D. Transfer steps are max. 8" H w/ handholds to assist with transfer. (DOJ 2010 Standard Sec. 1008.3.1.1 and .2)	N/A			
9. Transfer Point has min. clear space of 60" dia. turning area at base and may overlap parking space but the 48" parking space length (L) dimension must be centered parallel to the 24" W of the transfer platform. (DOJ 2010 Standard Sec. 1008.3.1.3 Transfer Space and ASTM 7.5.4)	N/A			
10. Play area use zone has accessible safety surfacing to all accessible play components. (ASTM 7.1.1) and compliant w/ DOJ 2010 Standard Sec. 1008.2.6 Ground Surfaces)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

Accessibility (continued)

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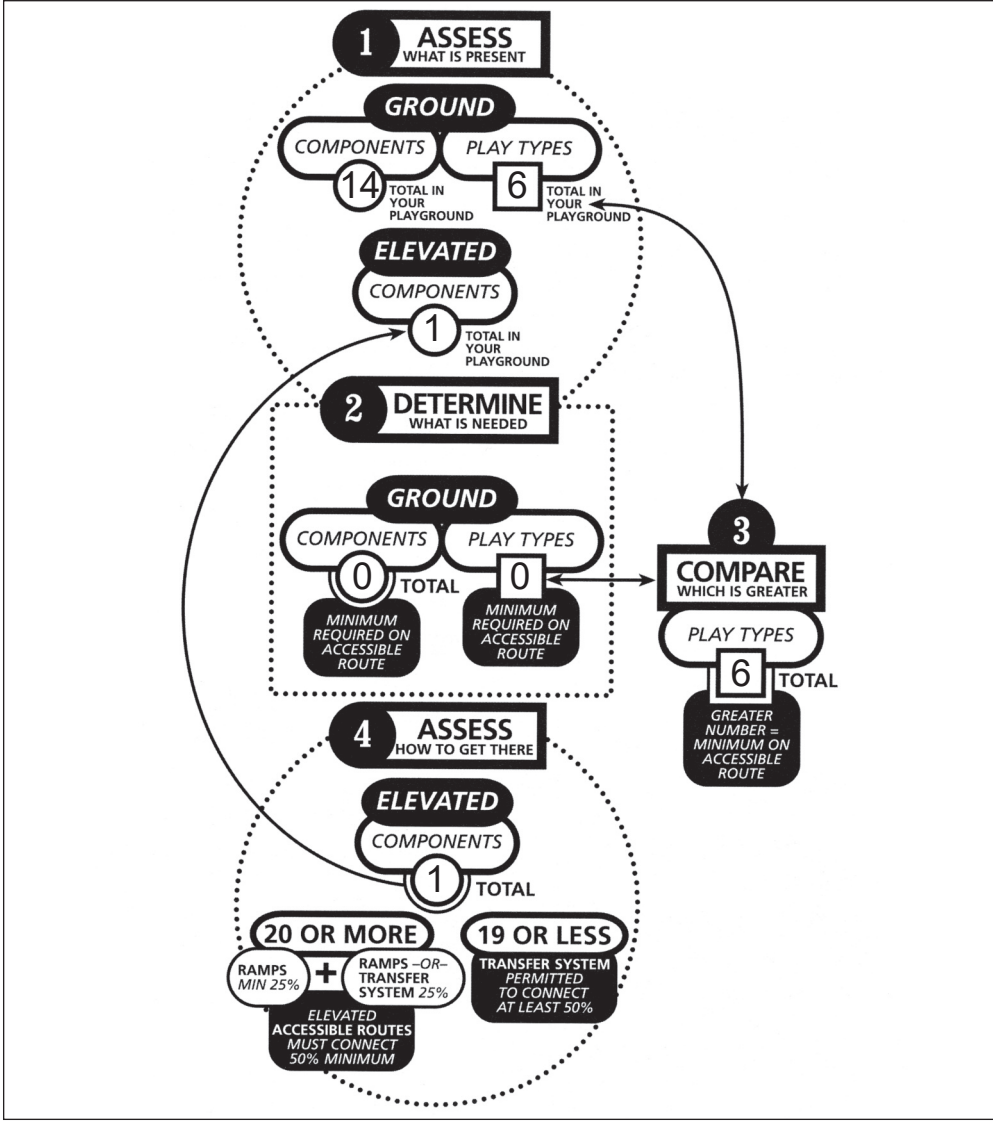
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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
11. Accessible restroom facilities, seating, drinking fountain, and shade are located in or near the play area and on the AR. (DOJ 2010 Standard Sec. 206 Accessible Routes, 206.2.17 Within a Site and Chapter 4)	X			
12. Openings on elevated wheelchair accessible access/egress points are < 15". (ASTM 7.5.6.3 (1-4) (Step Platforms, Ramps, and Upper Body and Accessible Access/Egress Components exempt.) (ASTM 7.5.5.2(3))	N/A			
13. Accessible Ramps and Platforms have – Max. Horizontal openings 0.5" sphere, Max. vertical rise - 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 302.2 and .3)	N/A			
14. Elevated accessible play opportunities designed w/ different access/egress points, such as slides, allow user to return unassisted to original transfer point. (DOJ 2010 Standard – Advisory Section 1008.3)	X			
15. Vertical Knee clearance is min. 24"H, 17"D, 30"W and 31"H max top of playing surface. (DOJ 2010 Standard – Section 1008.4.3 Play Tables)	N/A			
16. Accessible upper body eqpt, such as horizontal ladders and rings, are < 54" H. (ASTM 8.3.3)	N/A			
17. Accessible manipulative play eqpt, such as panels, are between 20-36" H for 2-5 year olds and 18-44" H for 5-12 year olds. (DOJ 2010 Standard – Section 1008.4)	N/A			
Refer to Accessibility Flow Chart for Questions 18 and 19 DOJ 2010 Standard Section 240.2 Play Components				
18. A. Where ground level components are provided at least one of each type shall be on AR. (DOJ 2010 Standard Sec. 240.2.1.1)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
B. Meet minimum # Ground Level Play Components and Play Types on AR. (DOJ 2010 Standard Sec. 240.2.1.2)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
19. Elevated AR connects minimum 50% Elevated Play Components by Ramp or Transfer. NOTE: 20 or more Elevated Play Components require minimum of 25% connected by Ramp. If 50% or more elevated play components are accessible by ramp they must be at least 3 different types. (DOJ 2010 Standard Sec. 240.2.1.2)	N/A			
20. All access points along AR conform to DOJ 2010 Standard Section 206.2.17, and Play Areas Section 240; Chapter 4, 402/403 Accessible Routes minimum 1:20 running slope requirements at transition points w/ side slope transition of 1:48.		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

Use Flow Chart for Accessibility Section Questions 18 and 19

Table 240.2.1.2
Number and Types of Ground Level Play Components Required to be on Accessible Routes

Number of Elevated Play Components Provided	Minimum Number of Ground Level Play Components Required to be on an Accessible Route	Minimum Number of Different Types of Ground Level Play Components Required to be on an Accessible Route
1	Not applicable	Not applicable
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
26 and over	8, plus 1 for each additional 3, or fraction thereof, over 25	5



Access and Egress

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Steps/rungs are evenly spaced w/in ± .25" and horizontal w/in ± 2". (ASTM 7.2.1)	X			
2. Steps do not allow accumulation of water or debris. (ASTM 7.2.2; CPSC 5.2.1)	X			
3. Stairways, step/rung ladders conform w/ access slope; tread, rung, ramp width; tread depth; rung diameter; and vertical rise for intended user group per ASTM Table 2. (ASTM 7.2.3; CPSC 5.2.1)	X			
4. Ramps intended for access have a max. horizontal run of 144". (ASTM 7.2.4)	N/A			
5. Landings w/ play components include wheelchair parking space w/ an adjacent circulation path ≥ 36". (ASTM 7.2.5)	N/A			
6. Continuous handrails are provided on both sides of stairs w/ > 1 tread; stairs w/ 1 tread have handrail or alternate means of support; Handrail height between 22-38" beginning at 1st step. (ASTM 7.2.6; CPSC 5.2.3)	X			
7. Handrails have diameter between .95-1.55". (ASTM 7.2.6.4; CPSC 5.2.2)	X			
8. Arch and flexible climbers not sole means of access for users 2-5. (ASTM 7.3.2.1; CPSC 5.2.1, 5.3.2.2, Table 5)	X			
9. Climbers used as access provide a means of hand support for use while climbing. (ASTM 7.3.2.5; CPSC 5.2.2)	X			
10. Stairways and stepladders have continuous handrails from access to platform. (ASTM 7.4.1; CPSC 5.2.3)	X			
11. Accesses w/o handrails (rung ladders, arch climbers, flexible components, etc.) have alternate hand gripping component to facilitate this transition to platform. (ASTM 7.4.2; CPSC 5.2.4)	X			
12. Stepping surface for final access on rung ladders, arch climbers, and flexible components are not connected above the designated play surface they serve. (ASTM 7.4.3; CPSC 5.2.1)	X			

Access and Egress (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
14. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
15. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		X	1	Several protrusions on composite structure. Must be repaired immediately.
16. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
17. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
18. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			
19. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	N/A			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		X	4	Multiple instances of rust. Recommend sand and repaint.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X			

Platforms, Landings, and Walkways

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Platforms are horizontal w/in a tolerance of ± 2 °. (ASTM 7.5.1; CPSC 5.1.1)	X			
2. Platforms, landings, walkways, and ramps do not trap water and accumulate debris. (ASTM 7.5.2; CPSC 5.1.1)	X			
3. Platforms, landings, walkways, and ramps, and other elevated surfaces that are accessible to wheelchairs provide a min. 36" clear width; clear width may be reduced to 32" for max. 24". (ASTM 7.5.3)	X			
4. Turning and parking spaces provided at a transfer point do not overlap. (ASTM 7.5.4)	N/A			
5. Guardrails contain no designated play surfaces. (ASTM 7.5.5)	X			
6. Guardrails are present on elevated surfaces > 20" when intended for 2-5, and > 30" when intended for 5-12. (ASTM 7.5.5.1; CPSC 5.1.3)	X			
7. Guardrails surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.5.2; CPSC 5.1.3)	X			
8. Top surface of guardrails min. 29" when intended for 2-5, and 38" when intended for 5-12. (ASTM 7.5.5.3; CPSC 5.1.3)	X			
9. Lower edge of guardrails max. 23" when intended for 2-5, and 28" when intended for 5-12. (ASTM 7.5.5.4; CPSC 5.1.3)	X			
10. Wheelchair accessible ramps requiring guardrails for either 2-5 or 5-12 year olds have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A			
11. Wheelchair accessible ramps have 2" curb at both edges, unless guardrails and barriers don't extend to w/in 1" of ramp surface, or ramp has 2 rails and no barrier, or if barrier is beyond edge of ramp surface. (ASTM 7.5.5.6)	N/A			
12. Barriers contain no designated surface and minimize climbing. (ASTM 7.5.6; CPSC 5.1.3)	X			

Platforms, Landings, and Walkways (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Barriers provided on elevated surfaces > 30" when intended for 2-5, and > 48" when intended for 5-12. (ASTM 7.5.6.1)	X			
14. Wheelchair accessible ramps that require barriers have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A			
15. Barriers surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.6.3)	X			
16. Top surface of barrier is 29" min. when intended for 2-5, and 38" max. when intended for 5-12. (ASTM 7.5.6.4)	X			
17. Adjacent platforms w/ height difference > 12" when intended for 2-5 or > 18" when intended for 5-12 have an access component. (ASTM 7.5.7.1)	X			
18. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
19. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
20. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
21. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
22. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
23. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			

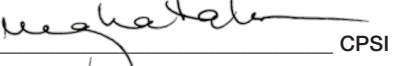
Platforms, Landings, and Walkways (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
24. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)		X	2	Almost all fasteners on composite structure are rusted and should be replaced as soon as possible.
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	X			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	X			
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X			

Playground Safety Compliance Audit Form

Inspector (print) Meghan Talarowski Signature  CPSI # 32886-1118
Date 10/24/18 Time 2:00pm Weather Sunny, 45 degrees
Playground Name and/or Identification Number Park Forest Elementary School

Injuries to children may occur from many types of playground equipment and environmental conditions. The checklist on the following pages will help you to assess and correct safety concerns that may be present on or near your playground. While it does not cover every potential safety concern in a children's environment, it is an overview of most known playground safety concerns. The checklist does not apply to home playground equipment, amusement park equipment, or to equipment normally intended for sports use. The checklist also does not address the many important issues of child development that pertain to play.

The playground safety compliance audit form is not a regulatory standard, but a compilation of suggested guidelines based upon the *Public Playground Safety Handbook* written by the U.S. Consumer Product Safety Commission (CPSC)¹ Revised November 2010; American Society for Testing and Materials (ASTM)² F1487-11 Standard; Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas³ (These accessibility standards published in the Federal Register on September 15, 2010 can be found at: <http://www.ada.gov/regs2010/2010ADASTandards/2010ADAstandards.htm>) and expert opinions from individuals with a vast amount of experience in the field of playground safety.

Acknowledgments:

- Created from the "Statewide Comprehensive Injury Prevention Program" (SCIPP), Department of Public Health, 150 Trecost Street, Boston, MA 02111
- Adapted as Wheaton Park District's "Initial Playground Safety Audit" September, 1989, Revised December 20, 1990 and November, 1991, Ken Kutska, CPRP
- Edited and updated June, 1992, by Ken Kutska, CPRP, and Kevin Hoffman, ARM, Park District Risk Management Agency
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 2003, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- ExcelTM formatted 2004, revised citations to 2008 CPSC *Handbook* and ASTM F1487-07ae¹ Standard, August, 2008, by Steve Plumb, CPRP, CPSI
- Revised September 2008 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director
- Revised August 2011 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director

Playground Safety Audit Forms

Background Information

Page 1

IMPORTANT: This information has been prepared to assist the agency's attorney in defending potential litigation. Do not release to any person except an agency official, insurance representative, or an investigating police officer.

Play Area: Park Forest Elementary School Date: 10/24/18
Eqpt Type: Composite Structures, Swings, Climbers, Seesaw Surface: Wood Mulch
Audited By: Meghan Talarowski Intended User Age: 5-12

General Environment

1. Category of Playground: (check all that apply)

☐ Community Park ☒ Public School ☐ Childcare Center
☐ Neighborhood Park/Tot Lot ☐ Private School Other: _____

2. Equipment Inventory: (indicate the number of equipment pieces that exist)

A. Composite Structures	B. Freestanding Eqpt	C. Site Amenities
stairways/step ladders <u>3</u>	swings (to-fro) <u>2</u>	benches <u>1</u>
stairways/step ladders _____	rotating swings _____	tables _____
rigid climbers <u>13</u>	seesaws <u>2</u>	water fountains _____
flexible climbers _____	slides <u>1</u>	bicycle racks _____
decks/platforms <u>3</u>	rigid climbers <u>1</u>	wheelchair parking _____
play panels <u>1</u>	flexible climbers <u>1</u>	signs (safety) _____
slides <u>4</u>	upper body eqpt <u>3</u>	litter barrels _____
sliding poles <u>1</u>	rocking eqpt _____	fencing <u>X</u>
horizontal ladders <u>1</u>	merry-go-round _____	accessible route to play area _____
horizontal rings <u>1</u>	spinner (< 20" D) _____	other _____
track rides _____	sand play area _____	other _____
crawl tunnels _____	backhoe digger _____	other _____
clatter/other bridges <u>2</u>	play panels _____	
ramps _____	stepping pods _____	
transfer stations <u>3</u>	net climber _____	
roofs _____	other _____	(2) Balance Beams
other _____	other _____	
other _____	other _____	

General Environment (continued)

3. Playground Perimeter Concerns

Directions: Check all potential concerns that exist, and indicate the actual distance item is from play area border. The owner/operator shall evaluate each border concern for possible mitigation.

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Playground Perimeter Concerns	Distance from Border	Priority Rating	Comments
1st public street	>100'		
2nd public street	>100'		
3rd public street			
4th public street			
streets with heavy traffic			
water (ponds/streams/ditch)			
soccer/football field			
baseball/softball field (home plate)			
basketball court	25'		
parking lot	>100'		
railroad tracks			
trees (not pruned up at least 84" within playground area)			
golf course			
quarry pit (cliff-like condition)			
contaminated area/landfill			
other (specify)			
other (specify)			
other (specify)			

General Environment (continued)

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General Environment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
4. If needed, fence is provided for perimeter concerns. See Pg 2 for list of concerns. (CPSC 2.1) (Fencing Reference ASTM F2049)	X X			
5. Shaded area is provided. (CPSC 2.1.1)		X X	4 4	Shade recommended
6. Play area is visible to deter inappropriate behavior. (CPSC 2.2.4)	X X			
7. Equipment not recommended on public playgrounds include... climbing ropes not secured at both ends, trampolines, swinging gates, giant strides, heavy metal swings (animal swings), rope swings, swinging dual exercise rings and trapeze bars. (CPSC 2.3.1)	X X			
8. Playground is accessed safely by a sidewalk that is free of standing water, pea gravel, and low branches and complies with the DOJ 2010 Standard for Accessible Design (min. 80" overhead clearance, 60" min. width, max. cross slope of 1:50 and max. running slope of 1:20, max. gaps of 1/2" and no vertical rise greater than 1/4" without a beveled edge, and finally there should be no depressions greater than 1/2").		X X	3 3	Some playground components accessed via asphalt path. Recommend all elements accessed via accessible path.
9. Seating (benches, tables) is in good condition (free of splinters, missing hardware/slats, sharp edges, etc). (exempt from ASTM F1487)	X X			
10. Signs on all bordering streets advise motorists that a playground is nearby.	X X			
11. Trash receptacles are provided and located outside of play area use zone.		X X	4 4	Trash receptacles recommended

1. U.S. Consumer Product Safety Commission, (CPSC), 4330 East West Highway, Bethesda, MD 20814

2. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive West Conshohocken, Pennsylvania 19428

3. U.S. Access Board, 1331 F Street, NW, Suite 1000, Washington, DC, 20004

(<http://www.ada.gov/regs2010/ADAREgs2010.htm>)

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Materials and Manufacture

Page 4					August 2011
General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments	
1. Playground equipment is manufactured and constructed only of materials that have a demonstrated durability and comply with the Consumer Product Safety Improvement Act of 2008). (ASTM 4.1.2; CPSC 2.5.1)	X X				
2. Metals subject to structural degradation such as rust or corrosion are painted, galvanized or otherwise treated. (ASTM 4.1.1; CPSC 2.5.1)		X X	2 2	Certain structures have flaking paint and visible rust. Some rust has compromised the structural integrity of the metal and could fail.	
3. Wood materials are naturally rot-resistant or treated to avoid deterioration. (ASTM 4.1.3; CPSC 2.5.5)	NN/AA				
4. Plastics and other materials that experience ultraviolet (UV) degradation are UV protected. (ASTM 4.1.1)	X X				
5. Users cannot ingest, inhale, or absorb any potentially hazardous amounts of substances through body surfaces as a result of contact with the equipment. (ASTM 4.1.2 and 4.1.3; CPSC 2.5.4)	X X				
6. Moving suspended elements are connected to the fixed support w/ bearings or bearing surfaces that serve to reduce friction and wear. (ASTM 4.2.3; CPSC 2.5.2)	X X				
7. Steel cable permanently affixed to a hanger assembly performs as a bearing surface. Cable ends are inaccessible or capped. Cables or steel-cored ropes are protected to prevent fraying, loosening, unraveling, or excessive shifting. (ASTM 4.2.3.1)	X N/A				
8. Creosote-treated wood and coatings that contain pesticides are not used. (ASTM 4.1.3; CPSC 2.5.5)	N N/AA				
9. CCA-treated wood is not used, or is regularly coated (min. once/year) w/ a penetrating sealant or stain. (CPSC 2.5.5.1)	N N/AA				
10. Play structures are anchored to the ground and not intended to be relocated. (ASTM 5.3)		X X	4 4	Climbing wall end is wobbly. Recommend footing inspection.	

Use Zones

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Stationary Equipment				
1. Use zone extends min. 72" on all sides of structure. Equipment intended for user to maintain contact w/ the ground during play (i.e. talk tubes, activity panels) is exempt from use zone requirements. (ASTM 9.2.1; CPSC 5.3.9)		X	2	Climber in forest does not have correct use zones and is structurally unsafe. Recommend removal. Fitness equipment does not have correct use zone. Recommend updating surfacing.
2. Use zones for 2 or more stationary structures that are play-functionally linked are treated as if separate components are part of a composite unit. (ASTM 9.2.2; CPSC 5.3.9)	N/A			
3. Use zones of stationary equipment and other equipment may overlap. If adjacent designated play surfaces of each structure are < 30", the min. distance between equipment is 72". If adjacent designated play surfaces of either structure are > 30", the min. distance between equipment is 108". (ASTM 9.2.3; CPSC 5.3.10)	X			
B. Rotating Equipment				
1. Minimum use zone for rotating eqpt is 72" from perimeter. No other structure may overlap this use zone. Rotating eqpt < 20" diameter are exempt and may be 72" apart when each have designated play surfaces < 30" high, or 108" apart when one or both have designated play surfaces > 30" high. (ASTM 9.3.2; CPSC 5.3.4.1)	N/A			
2. Single user equipment (i.e. sand diggers) where user maintains contact w/ the ground are exempt from use zone requirements. (ASTM 9.2.1)	N/A			
3. No other structure overlaps the use zone of eqpt that rotates around a horizontal axis w/ a designated play surface > 30". (ASTM 9.3.5)	N/A			

Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
C. To-Fro Swings				
1. Use zone to front and rear of to-fro swing is 2X where X = distance between pivot point and surfacing by width of beam. (ASTM 9.4.1.1; CPSC 5.3.8.3.3) Combination Swing Use Zone should be composed of the individual use zones as defined in 9.4.1 and 9.4.2 or both for the individual suspended elements. (ASTM 9.4.3)		X	3	Surfacing should be full depth to front and rear and 6' on each end. Recommend updating surfacing.
2. For swings w/ fully enclosed To-Fro swing seats, use zone is 2W where W = distance between pivot point and top of occupied sitting surface. (ASTM 9.4.1.2; CPSC 5.3.8.3.3)	N/A			
3. No other play structure overlaps the front-to-rear use zone of a to-fro swing. (ASTM 9.4.1.3; CPSC 5.3.8.3.3)	X			
4. Use zone width is at least as wide as the swing top beam. T-swings use zones have special conditions. (ASTM 9.4.1.4)	X			
5. Use zone around support structure is min. 72" in all directions from the structure. Support structure use zones for adjacent to-fro swings may overlap (6' apart). Support structure use zones may overlap w/ other equipment w/ min. 108" between structures. (ASTM 9.4.1.5; CPSC 5.3.8.3.3)		X	3	Surfacing should be full depth to front and rear and 6' on each end. Recommend updating surfacing.
D. Rotating Swings				
1. Use zone is min. horizontal distance of Y+72", where Y = vertical distance between pivot point and top of swing seat. (ASTM 9.4.2.1; CPSC 5.3.8.4.1)	N/A			
2. No other play structure use zone overlaps rotating swing use zone. (ASTM 9.4.2.2; CPSC 5.3.8.4.1)	N/A			
3. Use zone around support structure is min.72" in all directions from the structure. (ASTM 9.4.2.3; CPSC 5.3.8.4.1)	N/A			
4. Support structures of adjacent rotating swings may overlap (6' apart), however, swing bay clearances (Y+30") are not overlapped. (ASTM 9.4.2.4; CPSC 5.3.8.4.1)	N/A			
5. Support structure use zone may overlap use zone of other equipment w/ min. 108" between structures. (ASTM 9.4.2.5; CPSC 5.3.9)	N/A			

Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
E. Rocking/Springing Equipment				
1. Use zone for equipment intended for sitting is min. 72" in all directions from at-rest perimeter. (ASTM 9.5.1.1; CPSC 5.3.7)	N/A			
2. Use zone of adjacent eqpt may overlap when each structure has max. seat height and/or designated playing surface of less than or equal to 30". (ASTM 9.5.1.2; CPSC 5.3.7)	N/A			
3. Use zone of rocking/springing eqpt may overlap to 72" apart when each structure has max. designated play surface height < 30"; and to 108" apart when either has a designated play surface higher than 30" unless otherwise specified in ASTM Section 9. (ASTM 9.5.1.3; CPSC 5.3.7)	N/A			
4. Use zone for rocking/springing eqpt intended for standing is min. 84" in all directions from the at-rest perimeter. (ASTM 9.5.2.1)	N/A			
5. No other play structure use zone overlaps the standing rocking/springing structure use zone. (ASTM 9.5.2.2)	N/A			
6. Equipment w/ limited movement or eqpt on which user cannot develop enough force to launch or propel themselves away from the eqpt is exempt from these requirements. (ASTM 9.5.2.3)	N/A			
F. Slides				
1. Use zone around steps or ladder, chute, platform or slide bed of straight, wavy, or spiral slides is min. 72" from perimeter. (ASTM 9.6.1; CPSC 5.3.6.5)	X			
2. Use zone at exit is min. X where X = vertical distance from highest point of sliding surface to surfacing. Use zone at slide exit is min. 72" and need not be > 96". (ASTM 9.6.2, 9.6.2.1; CPSC 5.3.6.5)	X			
3. A clear zone, free of equipment, extends min. 21" from inside of each side wall from the end of the slide to the perimeter of the slide use zone. Clearance zones for two or more parallel slide beds may overlap. Clearance zones for converging slides may not overlap. (ASTM 8.5.6, 9.6.3)	X			

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
G. Track Rides				
1. Track ride use zones are min. 72" in all directions from equipment. (ASTM 9.9.1)	X			
H. Composite Structures				
1. Use zone is min. 72" from structure perimeter, and complies w/ use zones established for individual types of eqpt. (ASTM 9.7.1 and 9.7.2; CPSC 5.3.9)		X	2	Structure does not have compliant use zone, and has structural deficiencies. It should be removed.
2. Professional judgment may be used to eliminate hazards created by circulation conflicts or adjacent structures that are in close proximity. (ASTM 9.7.2)	X			
I. Placement of Equipment				
1. Sufficient space is provided between all adjacent structures and individual play eqpt for the purposes of play and circulation. (ASTM 9.8; CPSC 2.2.4)	X			
2. In settings where periodic overcrowding is likely, a supplemental circulation area beyond the use zone is provided, using professional judgement of owner/operator. (ASTM 9.8.2 and CPSC 2.2.4)	X			
3. Moving equipment such as swings and rotating equipment are located near the periphery away from circulation routes. (ASTM 9.8.3; CPSC 2.2.4)	X			
4. Overhead obstructions within play structure usezones are min. 84" from each designated play surface, the use zone, or the pivot point of swings. (ASTM 9.8.4.1)	X			
5. Overhead utility line clearances comply w/ all local, state, and national codes such as National Electrical Safety Code. (ASTM 9.8.4.2)	X			

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Maintenance				
1. Owner/Operator maintains detailed installation, inspection, maintenance, and repair records for each playground area. (ASTM 13.3; CPSC 4)		X	5	Recommend retaining records in future.
B. Protective Surfacing				
1. Owner/Operator maintains the protective surfacing within the use zone of each play structure in accordance w/ ASTM F1292 w/ a critical height appropriate for the fall height of each structure, and ASTM F1951 where applicable (ASTM 13.2.1; CPSC 2.4) and the Accessible Route in accordance w/ DOJ 2010 Standard (Section 1008.2.6)		X	3	Surfacing depth is less than recommended and is also not an accessible surface. Recommend replacement by Engineered Wood Fiber, or other accessible surface, to depth per manufacturer.
2. Protective surfacing is maintained free from extraneous materials that could cause injury, infection, or disease. (ASTM 13.2.2; CPSC 4)	X			
3. Surfacing is well-drained and free of standing water. (ASTM 13.2.2; CPSC 2.4.2.2)	X			
4. Written documentation available of laboratory compliance testing ASTM F1292 and F1951 and F2075 for EWF. (ASTM 13.2, 13.3)		X	5	Recommend retaining records after surfacing replacement.
5. Written documentation available of post installation compliance to the appropriate ASTM Standards. (ASTM 13.3)		X	5	Recommend retaining records after surfacing replacement.
C. Labeling				
1. On or near all play structures where applicable have posted a warning label containing... 1) signal word WARNING , 2) safety alert symbol (triangle w/ exclamation point inside) preceding signal word, and 3) warning message "Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls." (ASTM 14.2.5)		X	5	Recommend installing labels.
2. Manufacturer's identification appears, is durable, and is placed on the play structure. (ASTM 15)	X			
D. Information Signage				
1. Signs or labels provide information for age appropriateness of playground. (ASTM 14.2.1)		X	5	Recommend installing labels.
2. Signs or labels provide information stating adult supervision is recommended. (ASTM 14.2.2)		X	5	Recommend installing labels.
3. Sign posted to communicate warning for the need to remove helmets, drawstrings and items around the neck due to strangulation. (ASTM 14.2.3)		X	5	Recommend installing labels.
4. Sign posted to communicate warning about hot play surfaces and surfacing can cause severe burns to young children. (ASTM 14.2.4; CPSC 2.2.6, 2.5.3, 3.2.1)		X	5	Recommend installing labels.
5. Freestanding signs are located outside the equipment use zone to alert the user of the concern in time to take action. (ASTM 14.1.1.2, 14.1.2, 14.1.3)		X	5	Recommend installing signs.

This form is provided so that owner/operators can evaluate appropriate accessibility requirements from the Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas. This Federal Law became enforceable in March of 2011. These items will not be found in ASTM or CPSC documents but the Law is referenced in both. This Section will assist in your assessment of compliance to the minimum requirements of this Standard.

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Outside the play area the Accessible Route (AR) has max. running slope of 1:20 and max. cross slope of 1:50 and a minimum of 60" wide w/ max. abrupt vertical rise – 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 303)	X			
2. Inside the play area the AR is at least 60" wide (W), has max. cross-slope of 1:48, and 80" overhead clearance with max. running slope no steeper than (1:16 within) (DOJ 2010 Standard Sec. 1008.2.5.1) Play areas < 1,000 sq ft may have 44" W AR to play area. When 44" AR is > 30' it must have at least one 60" diameter turning space. (DOJ 2010 Standard Sec. 1008.2.4.1)		X	3	There is space in the play area for an accessible route, however playground surfacing is not compliant. Recommend replacement by Engineered Wood Fiber, or other accessible surface, to depth per manufacturer.
3. Elevated ramps are 36" min. w/ a max. run of 144" and running slope less than or equal to 1:12 (ASTM 7.2.4)	N/A			
4. Landings have min. 60" diameter at top and bottom of each run when there is a change in direction otherwise it must be equal to width of ramp. Landings w/ play elements have 30x48" wheelchair parking area w/out reducing adjacent circulation path to < 36". (ASTM 7.2.5 and DOJ 2010 Standard Sec. 405 and 406)	N/A			
5. Ramps with 2 rails or no rails, barriers beyond the ramp edge, or barriers not extending to w/in 1" of ramp surface must have curb ≥ 2" above the ramp. (ASTM 7.5.5.5 and .6)	N/A			
6. Ramps > 30" H (for 2-5 yrs) or > 48" H (for 5-12 yrs) have barriers. (ASTM 7.5.6.1 and .2)	N/A			
7. Ramps have handrails (0.95" to 1.55") on both sides at height (H) between 26"-28". (ASTM 7.5.5.5 and DOJ 2010 Standard Sec. 1008.2.5.3.1 and .2)	N/A			
8. Transfer point H is between 11-18" w/ clear min. 24" W x 14" D. Transfer steps are max. 8" H w/ handholds to assist with transfer. (DOJ 2010 Standard Sec. 1008.3.1.1 and .2)	X			
9. Transfer Point has min. clear space of 60" dia. turning area at base and may overlap parking space but the 48" parking space length (L) dimension must be centered parallel to the 24" W of the transfer platform. (DOJ 2010 Standard Sec. 1008.3.1.3 Transfer Space and ASTM 7.5.4)	X			
10. Play area use zone has accessible safety surfacing to all accessible play components. (ASTM 7.1.1) and compliant w/ DOJ 2010 Standard Sec. 1008.2.6 Ground Surfaces)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

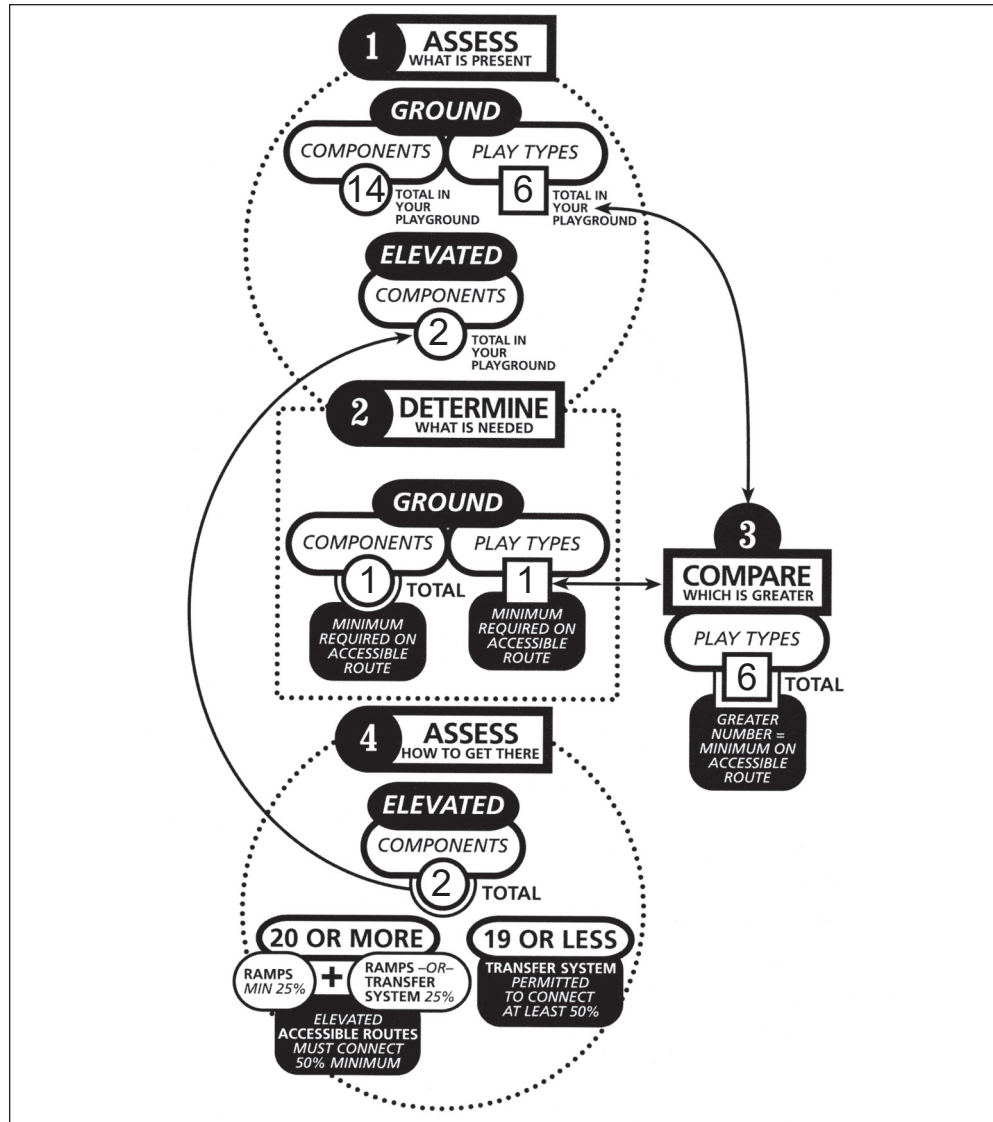
General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
11. Accessible restroom facilities, seating, drinking fountain, and shade are located in or near the play area and on the AR. (DOJ 2010 Standard Sec. 206 Accessible Routes, 206.2.17 Within a Site and Chapter 4)	X			
12. Openings on elevated wheelchair accessible access/egress points are < 15". (ASTM 7.5.6.3 (1-4) (Step Platforms, Ramps, and Upper Body and Accessible Access/Egress Components exempt.) (ASTM 7.5.5.2(3))	N/A			
13. Accessible Ramps and Platforms have – Max. Horizontal openings 0.5" sphere, Max. vertical rise - 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 302.2 and .3)	N/A			
14. Elevated accessible play opportunities designed w/ different access/egress points, such as slides, allow user to return unassisted to original transfer point. (DOJ 2010 Standard – Advisory Section 1008.3)	X			
15. Vertical Knee clearance is min. 24"H, 17"D, 30"W and 31"H max top of playing surface. (DOJ 2010 Standard – Section 1008.4.3 Play Tables)	N/A			
16. Accessible upper body eqpt, such as horizontal ladders and rings, are < 54" H. (ASTM 8.3.3)	N/A			
17. Accessible manipulative play eqpt, such as panels, are between 20-36" H for 2-5 year olds and 18-44" H for 5-12 year olds. (DOJ 2010 Standard – Section 1008.4)	X			
Refer to Accessibility Flow Chart for Questions 18 and 19 DOJ 2010 Standard Section 240.2 Play Components				
18. A. Where ground level components are provided at least one of each type shall be on AR. (DOJ 2010 Standard Sec. 240.2.1.1)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
B. Meet minimum # Ground Level Play Components and Play Types on AR. (DOJ 2010 Standard Sec. 240.2.1.2)		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.
19. Elevated AR connects minimum 50% Elevated Play Components by Ramp or Transfer. NOTE: 20 or more Elevated Play Components require minimum of 25% connected by Ramp. If 50% or more elevated play components are accessible by ramp they must be at least 3 different types. (DOJ 2010 Standard Sec. 240.2.1.2)	N/A			
20. All access points along AR conform to DOJ 2010 Standard Section 206.2.17, and Play Areas Section 240; Chapter 4, 402/403 Accessible Routes minimum 1:20 running slope requirements at transition points w/ side slope transition of 1:48.		X	3	Recommend replacement by Engineered Wood Fiber, or other accessible surface.

Use Flow Chart for Accessibility Section Questions 18 and 19

Table 240.2.1.2

Number and Types of Ground Level Play Components Required to be on Accessible Routes

Number of Elevated Play Components Provided	Minimum Number of Ground Level Play Components Required to be on an Accessible Route	Minimum Number of Different Types of Ground Level Play Components Required to be on an Accessible Route
1	Not applicable	Not applicable
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
26 and over	8, plus 1 for each additional 3, or fraction thereof, over 25	5



Access and Egress

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Steps/rungs are evenly spaced w/in \pm .25" and horizontal w/in \pm 2". (ASTM 7.2.1)	X			
2. Steps do not allow accumulation of water or debris. (ASTM 7.2.2; CPSC 5.2.1)	X			
3. Stairways, step/rung ladders conform w/ access slope; tread, rung, ramp width; tread depth; rung diameter; and vertical rise for intended user group per ASTM Table 2. (ASTM 7.2.3; CPSC 5.2.1)	X			
4. Ramps intended for access have a max. horizontal run of 144". (ASTM 7.2.4)	N/A			
5. Landings w/ play components include wheelchair parking space w/ an adjacent circulation path \geq 36". (ASTM 7.2.5)	X			
6. Continuous handrails are provided on both sides of stairs w/ > 1 tread; stairs w/ 1 tread have handrail or alternate means of support; Handrail height between 22-38" beginning at 1st step. (ASTM 7.2.6; CPSC 5.2.3)	X			
7. Handrails have diameter between .95-1.55". (ASTM 7.2.6.4; CPSC 5.2.2)	X			
8. Arch and flexible climbers not sole means of access for users 2-5. (ASTM 7.3.2.1; CPSC 5.2.1, 5.3.2.2, Table 5)	X			
9. Climbers used as access provide a means of hand support for use while climbing. (ASTM 7.3.2.5; CPSC 5.2.2)	X			
10. Stairways and stepladders have continuous handrails from access to platform. (ASTM 7.4.1; CPSC 5.2.3)	X			
11. Accesses w/o handrails (rung ladders, arch climbers, flexible components, etc.) have alternate hand gripping component to facilitate this transition to platform. (ASTM 7.4.2; CPSC 5.2.4)	X			
12. Stepping surface for final access on rung ladders, arch climbers, and flexible components are not connected above the designated play surface they serve. (ASTM 7.4.3; CPSC 5.2.1)	X			

Access and Egress (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X			
14. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X			
15. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X			
16. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X			
17. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X			
18. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X			
19. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X			
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	N/A			
Equipment is free of rust/chipping paint. (CPSC 2.5.4)		X	4	Multiple instances of rust. Recommend sand and repaint.
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X			

Platforms, Landings, and Walkways

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Platforms are horizontal w/in a tolerance of \pm 2 °. (ASTM 7.5.1; CPSC 5.1.1)	X			
2. Platforms, landings, walkways, and ramps do not trap water and accumulate debris. (ASTM 7.5.2; CPSC 5.1.1)	X			
3. Platforms, landings, walkways, and ramps, and other elevated surfaces that are accessible to wheelchairs provide a min. 36" clear width; clear width may be reduced to 32" for max. 24". (ASTM 7.5.3)	X			
4. Turning and parking spaces provided at a transfer point do not overlap. (ASTM 7.5.4)	N/A			
5. Guardrails contain no designated play surfaces. (ASTM 7.5.5)	X			
6. Guardrails are present on elevated surfaces > 20" when intended for 2-5, and > 30" when intended for 5-12. (ASTM 7.5.5.1; CPSC 5.1.3)	X			
7. Guardrails surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.5.2; CPSC 5.1.3)	X			
8. Top surface of guardrails min. 29" when intended for 2-5, and 38" when intended for 5-12. (ASTM 7.5.5.3; CPSC 5.1.3)	X			
9. Lower edge of guardrails max. 23" when intended for 2-5, and 28" when intended for 5-12. (ASTM 7.5.5.4; CPSC 5.1.3)	X			
10. Wheelchair accessible ramps requiring guardrails for either 2-5 or 5-12 year olds have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A			
11. Wheelchair accessible ramps have 2" curb at both edges, unless guardrails and barriers don't extend to w/in 1" of ramp surface, or ramp has 2 rails and no barrier, or if barrier is beyond edge of ramp surface. (ASTM 7.5.5.6)	N/A			
12. Barriers contain no designated surface and minimize climbing. (ASTM 7.5.6; CPSC 5.1.3)	X			

Platforms, Landings, and Walkways (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments	
13. Barriers provided on elevated surfaces > 30" when intended for 2-5, and > 48" when intendedfor 5-12. (ASTM 7.5.6.1)	X				
14. Wheelchair accessible ramps that require barriers have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A				
15. Barriers surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.6.3)	X				
16. Top surface of barrier is 29" min. when intended for 2-5, and 38" max. when intended for 5-12. (ASTM 7.5.6.4)	X				
17. Adjacent platforms w/ height difference > 12" when intended for 2-5 or > 18" when intended for 5-12 have an access component. (ASTM 7.5.7.1)	X				
18. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X				
19. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X				
20. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X				
21. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X				
22. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X				
23. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X				

Platforms, Landings, and Walkways (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments	
24. Hardware/General Concerns					
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X				
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	X				
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	X				
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X				

ADDENDUM : EXISTING EQUIPMENT