

1.0 Reference and Address			
Report Number	104112618MIN-001	Original Issued: 16-Jan-2020	Revised: 11-Oct-2023
Standard(s)	Amusement and Gaming Machines [UL 22:2008 Ed.6+R:06Feb2019] Household and Similar Electrical Appliances - Safety - Part 1: General Requirements [CSA E60335-1/4E:2003 Ed.3] Household and Similar Electrical Appliances - Safety - Part 2-82: Particular Requirements for Amusement Machines and Personal Service Machines [CSA C22.2#60335-2-82:2020 Ed.4]		
Applicant	Bay Tek Entertainment Inc	Manufacturer 1	Bay Tek Entertainment Inc
Address	1077 E Glenbrook Dr Pulaski, WI 54162-9765	Address	1077 E Glenbrook Dr Pulaski, WI 54162-9765
Country	USA	Country	USA
Contact	Ryan Kabcinski	Contact	Ryan Kabcinski
Phone	920-822-3951 Ext.1628	Phone	920-822-3951 Ext.1628
FAX	NA	FAX	NA
Email	rkabacinski@baytekent.com	Email	rkabacinski@baytekent.com
Manufacturer 2	Bay Tek Entertainment Inc		
Address	790 Markham Dr. Pulaski, WI 54162		
Country	USA		
Contact	Zak Krueger Kong Her		
Phone	920-615-4992 559-417-9210		
FAX	NA		
Email	zak.krueger@thevillage.bz kong.her@thevillage.bz		

2.0 Product Description	
Product	Amusement Machine - Skee-ball Classic and Skee-ball Glow
Brand name	Bay Tek Entertainment
Description	Skee-ball Classic/Skee-ball Glow are a coin operated/Swipe Card operated game. Where the player inserts the coin needed or swipes their card to start game play. The player then rolls a set amount of playing balls up the alley to score points. Cord-connected stationary appliance with a detachable supply cord, for indoor use only.
Models	AAGM-SBCL-110V, AAGM-SBG-110V
Model Similarity	AAGM-SBCL-110V and AAGM-SBG-110V are electrically similar; the only difference is the enclosure which has no bearing on overall safety
Ratings	115Vac, 60Hz, 2.0A
Other Ratings	NA

3.0 Product Photographs

Photo 1 - Skeeball Alley - External View - Enclosure

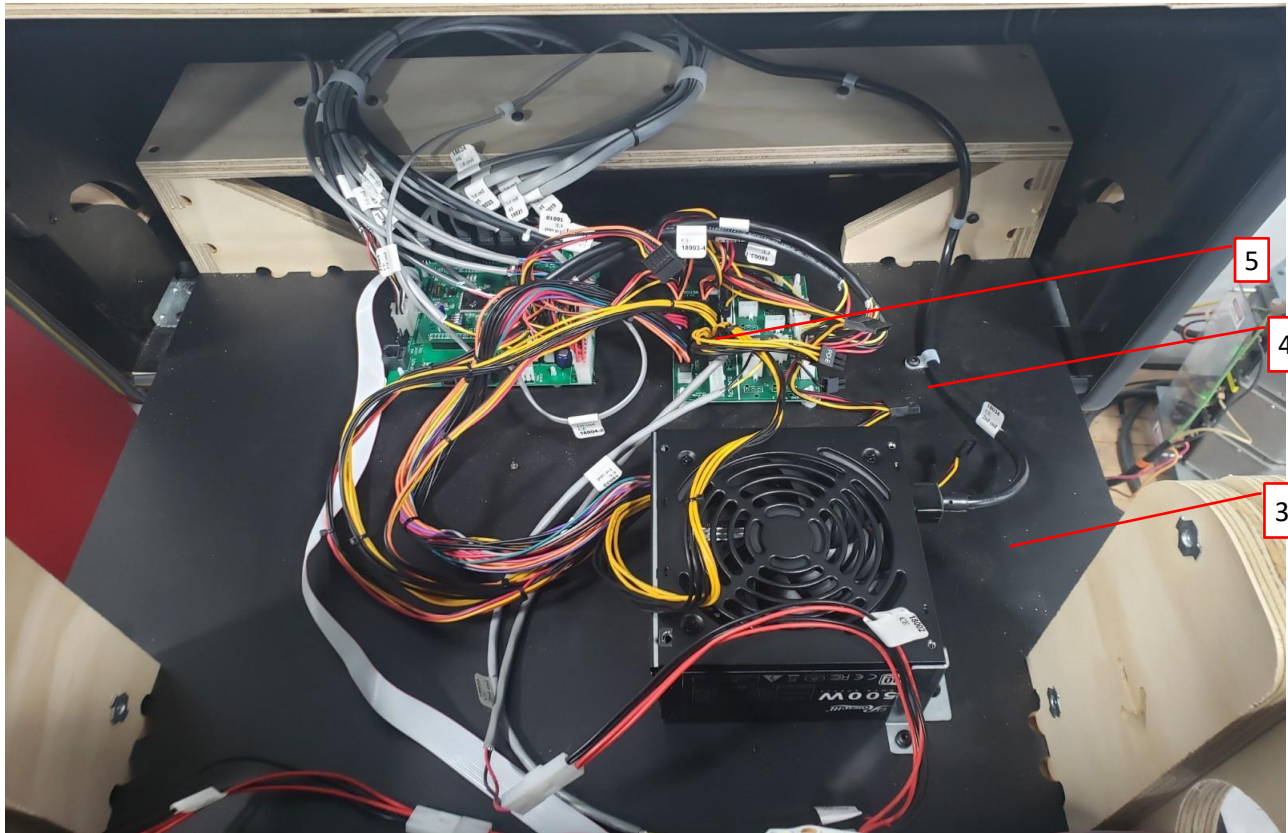


Photo 2 - Skeeball Alley - Side View



3.0 Product Photographs

Photo 3 - Internal View



4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	1	Enclosure	Various	Various	"L" shaped. Overall dimensions approx. 3070mm by 2170mm by 760mm. Made of wood approx. 20mm thick.	NR
1	2	Nameplate (Not Shown)	Zebra	3000T	Includes Applicants name, model number, date of manufacturer, and electrical ratings. Date code may be integral to serial #.	cURus
3	3	Power Supply	Rosewill	RD500Z	115-230VAC, 7/3.5A, 47-63Hz	cTUVus
			EVGA	EVGA500W	100-240VAC, 8/4A, 50-60Hz	cURus
			Gigabyte Technology Co Ltd	GP-P450B	Input: 100-240Vac, 8-4A, 50-60Hz. Output: +3.3V@18A, +5V@15A, +12V@36A, -12V@0.3A, +5VSB@3A	cURus
3	4	Printed Circuit Boards	Various	Various	Located within 12VDC or 5VDC circuit, flammability V-1 minimum, minimum flame rating 105°C, 300V	cURus
3	5	Motherboard	Various	Various	Flammability V-1 minimum, 105°C minimum	cURus
3	6	Appliance Inlet with EMI Filter (Not Shown)	Curtis Industries	F1700CA06	250Vac, 6A	cURus CSA
3	7	Power Cord (Not Shown)	Various	Various	300V, 105°C Minimum, VW-1, Detachable, 7' long, Type SJTOW	UL, cUL
1	8	Ball Release Motor (Not Shown)	Multi Products	4069	DC SELV only. Located in a 12VDC circuit	NR
NOTES: 1) Not all item numbers are indicated (called out) in the photos, as their location is obvious. 2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used. 3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.						

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - In primary circuits, 2.4 mm minimum spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity and 2.4 mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding conductor of the power cord this power cord. Grounding is achieved throughout the the rest of the appliance by a power strip connected to the appliances detachable cord. The power strip has a power cord rated 300V SJT 75°C, 14 AWG Minimum. Connected to the power strip is the power cord for the power supply which grounds the secondary side of the circuits. This cord is rated 300V, VW-1, 105°C. and has a minimum of 18 AWG.
6. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. All Primary wiring is minimum 18 AWG, with a minimum rating of 300V, 105°C. All Secondary wiring is a minimum of 20 AWG, with a minimum rating of 300V, 80°C.
7. Markings - The product is marked on a labeling system as described in item no. 2 of Section 4.0 as follows: Applicant's name, model number, date of manufacturer, and electrical ratings
8. Cautionary Markings - None
9. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer.

7.0 Illustrations

No Illustrations are used in this report.

8.0 Test Summary					
Evaluation Period	05-Dec-2019 to 16-Dec-2019			Project No.	G104112618
Sample Rec. Date	24-Jul-2019	Condition	Production	Sample ID.	MIN1911221357-002
Test Location	Intertek Testing Services N.A., Inc. 40 51st Way NE, Suite 100 Fridley, MN 55421				
Test Procedure	Testing Lab				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following tests were performed:					
Test Description			UL 22 Clause	CSA E60335-2-68 Clause	
Accessibility to Live Parts			10	8.1	
Test probe B of IEC 61032 test against live parts			-	8.1.1	
Starting Current Test			33	-	
Leakage Current Test			34	13.2	
Input Test			35	10.2	
Temperature Test			36	11.8	
Dielectric Voltage-Withstand Test			37	13.3	
Spill Test			38	15.2	
Physical Stability Test			39	20	
800N Downward Force Test			39.5	-	
200N Tipping Test			39.7	-	
Abnormal Operation			41	19	
Grounding Impedance Test			44	27.5	
Impact test for nonmetallic enclosures and guards			45.2	21.1	
Mechanical strength test for enclosures, guards, and maintenance area barriers			45.4	-	
Moisture Resistance			47.1	15	
Leakage Current After Humidity Test			-	16	
Electric Strength After Humidity Test			-	16.3	
Wire Insulation Test			-	25.5	
Evaluation Period	23-Apr-2021 to 26-Apr-2021			Project No.	G104646173
Sample Rec. Date	14-Apr-2021	Condition	Production	Sample ID.	MIN2104141135-002
Test Location	Intertek Testing Services N.A., Inc. 40 51st Way NE, Suite 100 Fridley, MN 55421				
Test Procedure	Testing Lab				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following tests were performed:					
Test Description			UL 22 Clause	CSA E60335-2-68 Clause	
Leakage Current Test			34	13.2	
Input Test			35	10.2	
Temperature Test			36	11.8	
Dielectric Voltage-Withstand Test			37	13.3	
Abnormal Operation			41	19	
Moisture Resistance			47.1	15	
Leakage Current After Humidity Test			-	16.2	
Electric Strength After Humidity Test			-	16.3	

8.0 Test Summary			
Evaluation Period	10/11/2023	Project No.	G105605184
Due to the previous testing performed and reported above no additional testing was necessary for Amusement and Gaming Machines [UL 22:2008 Ed.6+R:06Feb2019]; Household and Similar Electrical Appliances - Safety - Part 1: General Requirements [CSA E60335-1/4E:2003 Ed.3]; Household and Similar Electrical Appliances - Safety - Part 2-82: Particular Requirements for Amusement Machines and Personal Service Machines [CSA C22.2#60335-2-82:2020 Ed.4].			
8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Jorge Blancas	Reviewed by:	Brian Siuta
Title:	Engineer	Title:	Reviewer
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings	
The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.	
BASIC LISTEE	Bay Tek Entertainment Inc
Address	1077 E Glenbrook Dr Pulaski, WI 54162-9765
Country	USA
Product	Amusement Machine - Skee-ball Classic and Skee-ball Glow

MULTIPLE LISTEE 1	None	
Address		
Country		
Brand Name		
ASSOCIATED MANUFACTURER		
Address		
Country		
MULTIPLE LISTEE 1 MODELS		BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None	
Address		
Country		
Brand Name		
ASSOCIATED MANUFACTURER		
Address		
Country		
MULTIPLE LISTEE 2 MODELS		BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None	
Address		
Country		
Brand Name		
ASSOCIATED MANUFACTURER		
Address		
Country		
MULTIPLE LISTEE 3 MODELS		BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issued by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

If all standards on the ATM have the same standard title, the shared title or its abbreviation may be used in place of the examples above. Example: "Medical Electrical Equipment" or "MEE"; "Information Technology Equipment" or "ITE"; "Audio/Video Information And Communication Technology Equipment" or "A/V ICTE".

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when these components must be selected and sent to Component Evaluation Center (CEC) for re-evaluation.

Due to particular testing requirements, some components may be requested to be shipped to specific labs. Thus, specific shipment destination(s) for each sample will be provided in the written notification.

Managing CEC Location:
Intertek Testing Services NA Inc.
ETL Component Evaluation Center
1717 Arlingate Ln.
Columbus, Ohio 43228 USA
Attn: CEC Safety

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test

Grounding Continuity Test

11.1 Dielectric Voltage Withstand Test

Method

Each appliance shall withstand without electrical breakdown, as a routine production-line test, the application of an AC potential at a frequency within the range of 40 – 70 hertz or a DC potential between:

- a) The primary wiring, including connected components, and accessible dead metal parts that may become energized and
- b) Primary wiring and accessible low-voltage— 42.4 volts peak or less – metal parts, including terminals. The production-line test shall be in accordance with the voltage and times below.

The test potential may be gradually increased to the required value but the full value is to be applied for 1 second or 1 minute as required.

The appliance may be at intended operating temperature, at room temperature, or at any intermediate temperature for the test.

The test shall be conducted when the appliance is fully assembled. It is not intended that the appliance be unwired, modified, or disassembled for the test.

Exception No. 1: A part, such as a snap cover or a friction-fit knob, that would interfere with performance of the test need not be in place.

Exception No. 2: The test may be performed before final assembly if the test represents that for the completed appliance. The absence of any component which will be present in the final assembly shall not affect the results with respect to determination of possible electric shock from miswiring, defective components, unacceptable spacings in accordance with Spacings, Section 28, and the like.

Exception No. 3: An appliance using a solid-state component that is not relied upon to reduce the risk of electric shock and that can be damaged by a secondary effect (induced voltage surge, excessive heating, and the like) of the test may be short-circuited by means of a temporary electrical jumper or the test may be conducted without the component electrically connected, if the wiring and terminal spacings are maintained. Additionally, transient voltage suppression devices other than capacitors connected from primary wiring to dead metal may be disconnected during the test.

The test equipment shall have a means of indicating the test potential, an audible or visual indicator of electrical breakdown, and either a manually reset device to restore the equipment after electrical breakdown or an automatic reject feature of any unintended appliance. When an AC test potential is applied, the test equipment shall include a transformer having an essentially sinusoidal output.

If the output of the test equipment transformer is less than 500 volt-amperes, the equipment shall include a voltmeter in the output circuit to directly indicate the test potential.

If the output of the test equipment transformer is 500 volt-amperes or larger, the test potential may be indicated by:

- a) A voltmeter in the primary circuit or in a tertiary-winding circuit,
- b) A selector switch marked to indicate the test potential, or
- c) In the case of equipment having a single test-potential output, a marking in a readily visible location to indicate the test potential.

When marking is used without an indicating voltmeter, the equipment shall include a positive means, such as an indicator lamp, to indicate that the test voltage is present at the test equipment output.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test equipment, other than that described in above may be used if determined to accomplish the intended factory control.

During the test, the primary switch is to be in the on position, both sides of the primary circuit of the appliance are to be connected together and to one terminal of the test equipment, and the second test-equipment terminal is to be connected to the accessible dead metal.

Exception No. 1: An appliance – resistive, high impedance winding, and the like – having circuitry not subject to excessive secondary-voltage buildup in case of electrical breakdown during the test may be tested with a single-pole primary switch, if used, in the off position, or with only one side of the primary circuit connected to the test equipment when the primary switch is in the on position, or when a primary switch is not used.

Exception No. 2: The primary switch is not required to be in the on position if the testing means applies full test potential between primary wiring and dead metal parts with the switch not in the on position.

Products Requiring Dielectric Voltage Withstand Test:

Product	Test Voltage	Test Time
All products covered by this Report.	1000Vac	60 s
	or	
	1400Vdc	60 s
	1200Vac	1 s
	or	
	1700Vdc	1 s

11.2 Grounding Continuity Test

Method

Each appliance that has a power-supply cord having a grounding conductor shall be tested, as a routine production-line test, to determine that grounding continuity exists between the grounding blade of the attachment plug and the accessible dead metal parts of the appliance that are likely to become energized.

A single test is sufficient if the accessible metal selected is conductively connected by construction to all other accessible metal.

Any indicating device, such as an ohmmeter, a battery and buzzer combination, or the like, may be used to determine compliance with the grounding continuity requirement in 53.1.

Products Requiring Grounding Continuity Test:

All products covered by this Report.

The following changes are in compliance with the declaration of Section 8.1:

[illegible]