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Attn: All Existing Amusement Ride Operators and Interested Parties

Dear Sir / Madam

### **AMUSEMENT RIDES SAFETY (AMENDMENT) REGULATIONS 2014**

We wish to inform you of the Amusement Rides Safety (Amendment) Regulations 2014 (the "Amendment Regulations") which comes into operation on 1 Apr 2014.

2 This circular has two parts, namely Part A that lists the main changes that affect all types of amusement rides, and Part B that lists the main changes that are ride-specific.

#### **Part A - Provisions that affect all types of amusement rides**

3 The main changes which will affect all types of amusement rides are as follows:

(a) Lapsing of operating permit if amusement ride is relocated outside Singapore (new regulation 13A)

The operating permit of an amusement ride will automatically lapse if the amusement ride or any part of it is relocated to a place outside Singapore. If an operator of such an amusement ride intends to operate the amusement ride in Singapore again after that, the operator will need to re-apply for a new operating permit.

(b) Requirements for first-aid boxes (regulation 16)

The operator of an amusement ride is required to have a sufficient number of first-aid boxes available for use, and the first-aid boxes shall —

- i. be in a serviceable and sanitary condition;
- ii. be adequately equipped;
- iii. be properly maintained;
- iv. be checked frequently to ensure that it is adequately equipped and that all the items in it are usable;
- v. be clearly identified as a first-aid box;
- vi. be placed in a location that is well-lit and accessible;
- vii. be under the charge of a person appointed by the operator; and
- viii. contain only appliances and requisites for first-aid.

(c) Amendment of the Third Schedule

The Third Schedule prescribes a list of devices that are not amusement rides for the purposes of the Amusement Rides Safety Act (Chapter 6A) (the "Act"). The Third Schedule is amended as follows:

- i. Item 1 which was previously "Any amusement ride that is designed to have a total carrying capacity of not more than 50 kilogrammes" has been removed from the Third Schedule; hence such an amusement ride would no longer be excluded from the Act.
- ii. Item 2 is amended to be "Any power-driven amusement ride that has a total motive power rating of not more than 1.1 kilowatts."
- iii. Item 5 which was previously "Any go-kart that is used in a competitive sporting event in which participation is open only to persons who have been trained to use the go-kart for racing, and not to the general public" has been removed from the Third Schedule. Go-kart used **solely** for competitive sporting events, in which participation is open only to persons who have been trained to use the go-kart for racing, and not to the general public, would not come under the ambit of the Act. However, go-kart would be regulated under the Act once it is used for amusement purposes by the general public, even if it is used occasionally for competitive sporting events in which the participation is open only to persons who have been trained to use the go-kart for racing.
- iv. Item 6 on "Any amusement ride that is located within the premises of any private condominium, cluster housing estate or other gated residential estate and that is intended for the exclusive use of the residents of the private condominium, cluster housing estate or gated residential estate and their guests." and Item 7 on "Any amusement ride that forms part of the facilities of a private club and is intended for the exclusive use of the members of the private club and their guests." have been amended as follows:
  - (a) for existing amusement rides which previously fall under item 6 or item 7 of the Third Schedule that are installed or are operated before 1 April 2014, the operators are given a grace period of 6 months between 1 April 2014 and 30 September 2014 to comply with the requirements of the Act. If these existing amusement rides are to be operated after 1 October 2014, they would no longer be excluded from the Act; hence they need to comply with the requirements of the Act, such as obtaining an operating permit, by 1 October 2014.

- (b) any amusement ride that was not installed or in operation before 1 Apr 2014, and –
  - is located within the premises of any private condominium, cluster housing estate or other gated residential estate and that is intended for the exclusive use of the residents of the private condominium, cluster housing estate or gated residential estate and their guests; or
  - forms part of the facilities of a private club and is intended for the exclusive use of the members of the private club and their guests,
 would no longer be excluded from the Act.
  
- v. Item 8 which was previously “Any amusement ride which is operated at a convention or trade show for the sale or exhibition of amusement rides and which is available for use only by the registered participants of the convention or trade show but not by members of the public” has been removed from the Third Schedule. An amusement device which is operated **solely** at a convention or trade show for the sale or exhibition of amusement rides and which is available for use only by the registered participants of the convention or trade show but not by members of the public, would not come under the ambit of the Act. However, an amusement ride would be regulated under the Act once it is used for amusement purposes by the general public, even if it is used occasionally at a convention or trade show for the sale or exhibition of amusement rides during which it is available for use only by the registered participants of the convention or trade show but not by members of the public.

**Part B - Provisions that affect specific types of amusement rides**

4 The main changes which will affect specific types of amusement rides are as follows:

- (a) Change of “indoor skydiving device” to “skydiving device”  
The term “*indoor skydiving device*” is replaced by “*skydiving device*”.
  
- (b) Operator of air-inflated enclosure (regulation 17)  
For an air-inflated enclosure used in water, the depth of the water was previously not allowed to exceed 0.5metres. This depth of water requirement has been changed from 0.5metres to 1.2metres.

There are now additional requirements for operation in water depth of 0.5m to 1.2m, which are as follows:

- the use of the air-inflated enclosure in water is at all times directly supervised by an employee of the operator, who shall not have more than 3 air-inflated enclosures under his supervision at any one time (in other permitted circumstances, the maximum number of air-inflated enclosures for each employee to directly supervise is 6);

- there is in attendance to render immediate rescue when the necessity arises, a sufficient number of life-guards; and
- there is available for use on site when the necessity arises equipment (such as a pair of scissors and floatation devices) to conduct such rescue.

Furthermore, the employee supervising the use of an air-inflated enclosure in water, whether of depth less than 0.5metres or depth less than 1.2metres, shall not have more than one pool of water under his supervision at any one time.

(c) Operator of bungee device or reverse bungee device (regulation 19)

The operator of a bungee device is required to deploy in position at all times during operation, a safety device that is designed to slow down and safely stop the fall of a patron in the event of a failure of any bungee cord, and this safety device can be a safety air bag or a specially constructed pool of water.

The jump height has been increased from 30metres to 50metres.

There are additional requirements for the bungee cords, the materials used to make the bungee cords and the non-metallic connectors as follows:

- The bungee cords and the non-metallic connectors are not to be used any time after the earliest of the following dates (where applicable):
  - (i) a date that is 6 months after the date of manufacture of the bungee cords;
  - (ii) for bungee cords made up of only one material —
    - (A) if the manufacturer of the material recommends a date for the expiry of such material, that recommended expiry date; or
    - (B) if there is no such recommended expiry date, a date that is 6 months after the date of manufacture of the material; and
  - (iii) for bungee cords made up of more than one material, the earliest date among the dates worked out under sub-paragraph (ii)(A) and (B) for each of the materials.
- The bungee cords, the non-metallic connectors, the material making up the bungee cords and the emergency equipment are stored and organised for easy and orderly access, and at a location which —
  - (i) is dry, cool and sheltered;
  - (ii) is contaminant-free and affords protection against contamination, physical and chemical damage and damage from ultra-violet rays; and is secured against unauthorised entry.

(d) Operator of aerial ropeway (new regulation 19A)

The operator of an aerial ropeway has to ensure that the following inspections are performed:

***Inspections of grips***

- Visual inspection on every grip of the aerial ropeway at least once every year, or such other interval as the manufacturer of the aerial ropeway may recommend for such inspection, whichever is the shorter; and
- One or more types of non-destructive testing inspection (other than a visual inspection) on every grip of the aerial ropeway at least once every 5 years, or such other interval as the manufacturer of the aerial ropeway may recommend for such inspection, whichever is the shorter

The operator of an aerial ropeway would have to ensure that the results of each of the visual and non-destructive testing inspections for the grips mentioned above are certified by a qualified person.

***Inspections of carrying-hauling ropes, hauling ropes and track ropes***

- Visual inspection of every carrying-hauling rope, hauling rope and track rope at least once a month, or such other interval as the manufacturer of the aerial ropeway may recommend for such inspection, whichever is the shorter; and
- Rope scan of every carrying-hauling rope, hauling rope and track rope at least once every 6 months, or such other interval as the manufacturer of the aerial ropeway may recommend for such scan, whichever is the shorter.

The operator of an aerial ropeway would have to ensure that the abovementioned visual inspection and rope scan are performed in accordance with the inspection methods specified in the current version of the standard BS EN 12929 (Parts 1 and 2). In addition, the rope scan shall be conducted by a person who has such knowledge, training and experience to carry out the rope scan and interpret the results in accordance with the requirements specified in the current version of the standard BS EN 12929 (Parts 1 and 2).

(e) Standards or codes for zip line (First Schedule)

The list of applicable standards and codes for zip line has been changed, and are the BS EN 15567 (Parts 1 and 2), AS 3533, Ropes Challenge Course and Zip Line Canopy Tour (Adventure Aerial Park) Standards, Challenge Course and Canopy/Zip Line Tour Standards and the ASTM Committee F24 Standards.

**For further information and clarification**

5 The updated Regulations and the Amusement Rides Safety (Amendment) Regulations 2014 are available for viewing at our website: <http://www.bca.gov.sg/AmusementRideSafety/amusementrides.html>.

6 For further information, you may email to [BCA\\_AMUSEMENT\\_RIDES@bca.gov.sg](mailto:BCA_AMUSEMENT_RIDES@bca.gov.sg) or call us at our hotline at 6325 8609. Thank you.

Yours faithfully,



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COMMISSIONER OF AMUSEMENT RIDES SAFETY