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AMUSEMENT RIDES SAFETY ACT
(CHAPTER 6A)

AMUSEMENT RIDES SAFETY (AMENDMENT)
REGULATIONS 2014

In exercise of the powers conferred by section 72 of the Amusement Rides Safety Act, the Minister for National Development hereby makes the following Regulations:

Citation and commencement

1.—(1) These Regulations may be cited as the Amusement Rides Safety (Amendment) Regulations 2014 and shall, with the exception of regulation 11(e), come into operation on 1st April 2014.

(2) Regulation 11(e) shall come into operation on 1st October 2014.

Amendment of regulation 2

2. Regulation 2 of the Amusement Rides Safety Regulations 2011 (G.N. No. S 343/2011) (referred to in these Regulations as the principal Regulations) is amended —

- (a) by deleting the definition of “indoor skydiving device”; and
- (b) by inserting, immediately after the definition of “roundabout”, the following definitions:

“ “safety device”, in relation to a bungee device, means a safety device which is designed to slow down and safely stop the fall of a patron in the event of a failure of any bungee cord, and includes a safety air bag and a specially constructed pool of water;

“skydiving device” means a device whereby a patron is brought to a height by the force of wind that is directed upwards in a vertical wind tunnel;”.

Amendment of regulation 8

3. Regulation 8 of the principal Regulations is amended by deleting paragraph (b) and substituting the following paragraph:

“(b) any contact by a patron with a safety device during the patron’s use of a bungee device, other than in the course of normal operation of, or normal disembarkation from, the bungee device.”.

New regulation 13A

4. The principal Regulations are amended by inserting, immediately after regulation 13, the following regulation:

“Lapsing of operating permit if amusement ride relocated outside Singapore

13A. For the purposes of section 22(1)(c) of the Act, an operating permit in respect of an amusement ride shall automatically lapse if, at any time during the validity period of the operating permit, the amusement ride or part thereof is relocated to a place outside Singapore.”.

Amendment of regulation 16

5. Regulation 16(6) of the principal Regulations is amended by deleting sub-paragraph (a) and substituting the following sub-paragraph:

“(a) there are available for use when the necessity arises a sufficient number of first-aid boxes each of which —

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

Amendment of regulation 17

- 6.** Regulation 17 of the principal Regulations is amended —
- (a) by deleting the words “0.5 metres” in paragraph (c)(i) and substituting the words “1.2 metres”;
 - (b) by deleting the word “and” at the end of paragraph (c)(ii)(B); and
 - (c) by deleting paragraph (d) and substituting the following paragraphs:
 - “(d) the use of the air-inflated enclosure on land is at all times directly supervised by an employee of the operator, who shall not have more than 6 air-inflated enclosures under his supervision at any one time;
 - (e) 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 —
 - (i) in the case where the depth of the water does not exceed 0.5 metres, more than 6 air-inflated enclosures under his supervision at any one time; or
 - (ii) in the case where the depth of the water exceeds 0.5 metres but does not exceed 1.2 metres, more than 3 air-inflated enclosures under his supervision at any one time;
 - (f) any employee supervising the use of an air-inflated enclosure in water does not have more than one pool of water under his supervision at any one time; and
 - (g) where the air-inflated enclosure is used in water the depth of which exceeds 0.5 metres but does not exceed 1.2 metres —
 - (i) there is in attendance to render immediate rescue when the necessity arises, a sufficient number of life-guards who are properly trained and certified by an organisation acceptable to the Commissioner; and
 - (ii) 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.”.

Amendment of regulation 19

7. Regulation 19 of the principal Regulations is amended —
- (a) by deleting the words “30 metres, excluding the height of a deployed safety air bag” in paragraph (1)(f) and substituting the words “50 metres, excluding the height of a deployed safety device”;
 - (b) by deleting the words “safety air bag” wherever they appear in paragraphs (1)(g) and (3) and substituting in each case the words “safety device”;
 - (c) by inserting, immediately after the words “the height” in paragraph (3)(a)(i), the words “or depth”;
 - (d) by deleting sub-paragraph (ii) of paragraph (3)(a) and substituting the following sub-paragraph:
 - “(ii) that a patron using a bungee device does not come into contact with the safety device other than in the course of normal operation of, or normal disembarkation from, the bungee device.”;
 - (e) by deleting sub-paragraph (d) of paragraph (3) and substituting the following sub-paragraph:
 - “(d) ensure that the bungee device is designed and operated such that a patron using the bungee device will not come into contact with the safety device during an incident-free jump, other than in the course of normal operation of, or normal disembarkation from, the bungee device.”;
 - (f) by deleting the word “and” at the end of paragraph (4)(b);
and
 - (g) by deleting the full-stop at the end of sub-paragraph (c) of paragraph (4) and substituting a semi-colon, and by inserting immediately thereafter the following sub-paragraphs:
 - “(d) 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 —

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- (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;
 - (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; and
 - (e) 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
 - (iii) is secured against unauthorised entry.”.

New regulation 19A

8. The principal Regulations are amended by inserting, immediately after regulation 19, the following regulation:

“Further duties of operator of aerial ropeway

19A.—(1) The operator of an aerial ropeway shall ensure that —

- (a) a visual inspection is performed 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;
- (b) one or more types of non-destructive testing inspection (other than a visual inspection) is performed 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;

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- (c) the results of each of the inspections referred to in sub-paragraphs (a) and (b) are certified by a qualified person;
 - (d) a visual inspection and a rope scan are performed on the carrying-hauling ropes, hauling ropes and track ropes in accordance with the inspection methods specified in the current version of the standard BS EN 12929 (Parts 1 and 2) issued by British Standards Institution at the following intervals:
 - (i) a 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
 - (ii) a 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; and
 - (e) a rope scan referred to in sub-paragraph (d) is 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).
- (2) In this regulation —
- “grip”, in relation to an aerial ropeway, means a device which attaches the hanger to the rope, whereby the hanger is the load bearing structure from the rope to the carriage which carries the patrons;
- “rope scan” means a thorough examination of a rope over the entire length of the rope by means of a defectographic inspection or other similar methods.”.

Amendment of First Schedule

9. The First Schedule to the principal Regulations is amended —
- (a) by deleting item 13;

(b) by inserting, immediately after item 21, the following item:

“ 21A. Skydiving device	ASTM Committee F24 Standards.	ASTM International.
	BS EN 13814.	British Standards Institution.

”; and

(c) by deleting item 28 and substituting the following item:

“ 28. Zip line	BS EN 15567 (Parts 1 and 2).	British Standards Institution.
	AS 3533.	Standards Australia.
	Ropes Challenge Course and Zip Line Canopy Tour (Adventure Aerial Park) Standards.	Professional Ropes Course Association (PRCA).
	Challenge Course and Canopy/Zip Line Tour Standards.	Association for Challenge Course Technology (ACCT).
	ASTM Committee F24 Standards.	ASTM International.

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Amendment of Second Schedule

10. The Second Schedule to the principal Regulations is amended by deleting item 5 and substituting the following item:

“5. A skydiving device.”.

Amendment of Third Schedule

11. The Third Schedule to the principal Regulations is amended —

- (a) by deleting item 1;
- (b) by deleting the words “motive power” in item 2 and substituting the words “motive power rating”;
- (c) by deleting item 5;
- (d) by inserting, immediately after the words “Any amusement ride” in items 6 and 7, the words “installed or operated before 1st April 2014;

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- (e) by deleting items 6 and 7; and
 - (f) by deleting item 8.

Amendment of Fourth Schedule

12. The Fourth Schedule to the principal Regulations is amended —

- (a) by deleting the word “indoor” in item 6; and
- (b) by deleting the words “item 28” in item 9 and substituting the words “item 29”.

Made this 25th day of March 2014.

BENNY LIM
*Permanent Secretary,
Ministry of National Development,
Singapore.*

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(To be presented to Parliament under section 74 of the Amusement Rides Safety Act).