

BUILDING AND CONSTRUCTION AUTHORITY (BCA)

AMUSEMENT RIDE MANAGER'S FORUM 2024

23 January 2024 9:30 AM – 12:30 PM

QUESTIONS AND ANSWERS

S/N	QUESTION	RESPONSE FROM Q&A PANEL
1	As an event company that provides manpower for main contractors, do the supervisors need to be BCA qualified, or should the ride managers be represented by main contractors?	<p>According to s13(1)(b)(iv) of the Amusement Rides Safety Act 2011, a person must not operate an amusement ride unless there is appointed in respect of the amusement ride at least one ride manager to oversee, manage and supervise the daily routine operation and maintenance of the amusement.</p> <p>The duty to appoint a ride manager falls upon the holder of the operating permit. In addition, the holder of the permit must employ sufficient manpower to ensure the safe operation and maintenance of the device.</p> <p>As discussed at the Forum, it is imperative that a ride manager possesses not only an in-depth understanding of their ride but</p>

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		<p>also the requisite academic and technical expertise to ensure its safety at all times.</p> <p><u>Section 13 of the Amusement Rides Safety Act 2011:</u> https://sso.agc.gov.sg/Act/ARSA2011?ProvIds=P13-#pr13-</p>
2	<p>If an event company engages ride operators as part of the event/activity, who will be responsible for the safety of the amusement ride - the event licensor or the ride operator?</p>	<p>Based on s5 and s13 of the Amusement Rides Safety Act 2011, if the ride is regulated and is being used at an event space, it must have a valid installation and operating permit.</p> <p>The holder of the operating permit also has specific duties, such as ensuring the appointment of a ride manager and there is in force a public liability insurance covering the person responsible for the ride. It's important to note that event companies often engage firms with existing amusement rides. In such cases, it's important to confirm if the ride needs to be regulated and verify the validity of its operating permit. Operating an unauthorized ride makes both the ride owner and the premises owner accountable. The event licensor and the ride operator are jointly responsible for ensuring the safe operation of the ride. If there are any uncertainties, please approach BCA for any clarifications.</p>

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		<p><u>Section 5 of the Amusement Rides Safety Act 2022:</u> https://sso.agc.gov.sg/Act/ARSA2011?ProvIds=P13-#pr13-</p> <p><u>Section 13 of the Amusement Rides Safety Act 2011:</u> https://sso.agc.gov.sg/Act/ARSA2011?ProvIds=P13-#pr13-</p>
3	<p>In the roles and duties of a ride manager, what is the difference in the types of inspections that the ride manager is responsible for?</p>	<p>Individuals applying for the role of a ride manager of a regulated amusement ride should have a comprehensive understanding of the legal responsibilities associated with the position. As mentioned in Regulation 21 of the Amusement Rides Safety Regulations 2011 and Section 17 of Amusement Rides Safety Act 2011, a ride manager is tasked with ensuring that all aspects of ride's operation and maintenance are managed, including supervising and overseeing the daily operations, and routine maintenance of the ride.</p> <p><u>Regulation 21 of the Amusement Rides Safety Regulations 2011:</u> https://sso.agc.gov.sg/SL/ARSA2011-S343-2011?DocDate=20200615&ProvIds=P1III-#pr21-</p> <p><u>Section 17 of the Amusement Rides Safety Act 2011:</u></p>

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		https://sso.agc.gov.sg/Act/ARSA2011?ProvIds=P13-#pr17-
4	<p>Do kids' battery-powered cars require any license to operate? If required, how does he apply for a license for a 1-day event?</p>	<p>According to the Third Schedule of the Amusement Rides Safety Regulations 2011, power-driven amusement rides with a total motive power rating of up to 1.1 kilowatts are exempt from these regulations, with the exception of the following: (a) mechanical simulators; (b) go-karts; (c) bumper cars; and (d) power-driven roller gliders.</p> <p>This motive power rating is the combined motive power of all the motors producing that motion in the amusement ride. Therefore, if the kids' battery-powered cars in question have a total motive power rating of 1.1 kilowatts or less, they are not subject to these regulations and would not require an operating permit.</p> <p><u>Third Schedule of the Amusement Rides Safety Regulations 2011:</u> https://sso.agc.gov.sg/SL/ARSA2011-S343-2011?DocDate=20200615&ProvIds=Sc3-#Sc3-</p>

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5	As Fire and Rescue Coordinator (FRC) is a statutory requirement for amusement rides, can we have more FRC courses to meet the demand?	SCDF currently holds two in-person FRC courses each year. While SCDF is open to the possibility of offering online courses in the future, the current preference is to continue with physical courses due to the higher level of engagement and interaction they provide compared to online alternatives. If there are any changes and additional FRC courses to be scheduled, SCDF will notify all ride managers and ride operators through emails.
6	A participant sought clarification on the type of adverse incidents to be reported to SCDF	<p>The incident reporting procedures can be accessed through the link below, including the circumstances that SCDF and the other authorities (including BCA) are required to be notified.</p> <p><u>BCA Incident Notification:</u> https://www1.bca.gov.sg/regulatory-info/amusement-rides/amusement-rides-legislation/incident-notification</p>
7	What is the estimated timeline required to obtain the respective installation permit/operating permit?	<p>For any new ride, it is advisable that the Qualified Person (QP) appointed to certify compliance of the ride should make an appointment to consult BCA early.</p> <p>The QP must also factor in sufficient time for clarifications on the design and manufacturing of the ride, as well as processing</p>

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		<p>of the documentations on the ride design and manufacturing, as well as the assessment report from the QP. To minimise unnecessary delays, the QP should also ensure the necessary documents are submitted for the application for installation permit.</p> <p>More information on the permit application process and requirements can be found on our website at https://www1.bca.gov.sg/regulatory-info/amusement-rides/permit-application.</p> <p><u>Permit Application Guide:</u> https://www1.bca.gov.sg/docs/default-source/docs-corp-regulatory/amusement-rides/application_guide_v3_2.pdf?sfvrsn=f502a4f8_6</p>
8	For adverse incidents reported to BCA, should the operator wait for approval from BCA to continue operating or continue to operate after safety checks with no abnormalities found?	According to s54 of the Amusement Rides Safety Act 2011, if an adverse incident occurs in relation to an amusement ride, the person responsible for the ride and the ride manager must, as soon as practicable, inform the Commissioner of Amusement Rides Safety (the “Commissioner”). Subsequently, the Commissioner may also direct the

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		<p>responsible party to immediately close or cordon off the amusement ride, and to implement specific measures as directed. Therefore, in the event of an adverse incident, the amusement ride must not resume operation until approval is granted by BCA.</p> <p><u>Section 54 of the Amusement Rides Safety Act 2011:</u> https://sso.agc.gov.sg/Act/ARSA2011?ProvIds=P18-#pr54-</p>
9	Is there a guide on the requirements of a Visual Monitoring System?	<p>According to regulation 16(1)(i) of the Amusement Ride Safety Regulations 2011 and BCA Circular APPARSA-2020-01 issued on 15 June 2020, all amusement rides must be monitored by an electronic visual surveillance system, such as closed-circuit televisions (“CCTV”). The recordings from these systems must be retained for a minimum of 14 days.</p> <p>When installing a CCTV system (or multiple CCTVs), the operator should strive to ensure comprehensive coverage of the entire ride. This CCTV footages will facilitate investigations in the event of incidents. This will, in turn, minimise the operational downtime in the event that the ride is required to be shut down due to an incident. Additionally, the CCTV surveillance could serve to safeguard operators’ interest in</p>

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		<p>instances which patron behaviour may have contributed to the incident.</p> <p>Regulation 16(1)(i) of the Amusement Rides Safety Regulations 2011: https://sso.agc.gov.sg/SL/ARSA2011-S343-2011?DocDate=20200615&ProvIds=P1III-#pr16-</p> <p>BCA Circular APPARSA-2020-01: https://www.corenet.gov.sg/media/2330570/circular-on-amusement-rides-safety-amendment-regulations-2020.pdf</p>
10	If an inflatable bouncy castle 3m x 3m is deployed, do we need to apply for an operating permit?	<p>No, inflatable of base area 3m x 3m, provided that the maximum vertical displacement above ground for the patrons are not more than 5m, will not be regulated under the Amusement Rides Safety Act 2011.</p> <p>According to the Second Schedule of the Amusement Ride Safety Regulations 2011, an inflatable will be classified as a regulated amusement ride if it meets specific criteria. These criteria encompass not only the inflatable's base area, but also its maximum vertical displacement above the ground, escape</p>

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		<p>requirements, and whether it is grouped, among other factors. Additional information regarding the requirements for inflatables can be found on our website at https://www1.bca.gov.sg/regulatory-info/amusement-rides/amusement-rides-legislation.</p> <p><u>Second Schedule of the Amusement Rides Safety Regulations 2011:</u> https://sso.agc.gov.sg/SL/ARSA2011-S343-2011?ValidDate=20210101&ProvIds=Sc2-#Sc2-</p>