

## Segway Risk Assessment

Assessing risks is simple in principle. It involves identifying hazards or examining what in a particular situation could cause harm or damage and then assessing the likelihood that harm will actually be experienced by a specified population and what the consequences would be (i.e. the risk). The overall objective is to obtain a view on how to manage the risk or to compare the risk with other risks. At a conceptual level, it has proved useful to make a distinction between an assessment of the risks (the evaluation of the likelihood of harm and its consequences for populations or individuals as described above) and risk control (the prioritisation of risks and the introduction of measures that might be put in place to reduce, if not prevent, the harm from occurring). This stems from the belief that an assessment of risks by and large can be scientific and objective but risk control less so because it integrates the results of an assessment of risks with other critical inputs. ([www.hse.gov.uk/risk](http://www.hse.gov.uk/risk))

### **1. What is the nature of the activity?**

The Segway is an activity in which users are given a safety briefing before completing a test track for riding a Segway. Depending on the event requests once a person has shown they are competent in riding a Segway on the test track they will be allowed onto a bigger controlled area to use the Segway. Tracks are marked out with cones where possible. If event organisers are wanting users to go around their own course this must be pre approved by us prior to the event.

### **2. Assessing the hazards.**

- It is possible to fall off a Segway.
- Performer could bump into member of the public.
- Heavy rain can cause the Segway to slip.
- Icy, snowy or muddy conditions can cause the machines to act erratically.
- If Segway's Collide this can cause the machines to act erratically.
- Interference by members of the public.
- Gazebo Blowing away
- Other people trying to ride Segways

### **3. Who might be harmed?**

- Members of the public.
- The users
- Operators

### **4. How do you control the risks.**

- The Segway has in-built safety devices that prevent any forward movement once contact has been made with an obstacle or person.

- If a rider falls off the Segway knows this and stops running
- Regular maintenance & inspection of the equipment.
- Assessment, prior to and during the performance, of the suitability of the performance area, including terrain and conditions.
- Maximum speed whilst segwaying is 6 mph.
- We don't work in heavy rain, or on ice, snow or mud.

## 6. Evaluate the Risk

- Very Low – Very Unlikely
- Low - Unlikely
- Medium – Moderate chance of happening
- High – Likely to happen
- Very high -Likely will happen

## 7. Residual Risk

- Very low – Control measure more than necessary
- Low – Control measure Satisfactory
- Medium – Control measure Adequate
- High – Control Measure means constant supervision – re evaluate
- Very high – Stop the Activity

Hazard	Who's at risk	Risk Level	Existing Control Measures	Additional Control Measures	New Risk Level
Injury Through Manual Handling the Segway	Staff	Low	2 team members to lift Segway off the van	Use a tail lift or ramp where possible	Very low
Segway Fails to Function; Segway will not function correctly if:  •The rider is too light or too heavy.	Staff/Public	Medium	Our Staff members will monitor the battery level and keep Segway's to a suitable battery level, Riders will monitor the area to make sure the ground is suitable for riding.		Very low

<ul style="list-style-type: none"> <li>The wheels lose traction with the ground.</li> <li>Too much power is requested from the Segway or it is ridden with insufficient power in the battery.</li> <li>The Segway is not correctly maintained</li> </ul>			<p>The Segway's are on a constant switching charge to maintain the batteries, tyres and casing are inspected before each use.</p> <p>Segway's are used in accordance to the manufacture guidelines.</p> <p>The Segway itself will not fully activate unless all internal systems are functioning correctly. An error code will be displayed on the electronic 'key'</p>		
<p><b>Falling From Segway</b></p> <p>Segway are safe and stable when ridden correctly over appropriate surfaces. However a fall could result from;</p> <p>Lack of understanding or capability with regards to how to control the Segway when</p> <ul style="list-style-type: none"> <li>Avoiding other users</li> <li>Stepping off in an emergency</li> </ul>	Staff/Public	Medium	<p>The Segway training will only take place by trained competent operators, if they feel someone cannot complete the test track they will not be allowed to continue on the Segway.</p> <p>The Segway route will be designed so that the Segway are only ridden on appropriate surfaces and along appropriate routes.</p> <p>All other routes used will be led and dynamically assessed by appropriately trained instructors.</p>		Very low

			Maintaining a distance from others when getting on and off the Segway  Helmets must be worn at all times.		
<b>Segway colliding with a pedestrian</b>	Staff/Public	Medium	Maintaining a distance from others when getting on and off the Segway		Very Low
<b>Gazebo Flying Away</b>	Staff/Public/Property	Medium	Staff to Check wind speeds prior to the event and act accordingly  Use gazebo weights to weight the gazebo down and monitor wind speeds during the day. If going onto grass stake the gazebo down into the grass.		Very Low
<b>User Requirements</b>	Staff/Public	Medium	To be able to ride the segway the user must be between 7-19 stone.		Very Low

<b>Date Assessed</b> <b>4<sup>th</sup> January 2026</b>	<b>Assessed By</b> <b>Lee Hayward</b>
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