

Lightning Safety Advisory

Singapore has one of the highest rate of lightning activity in the world. Lying near the Equator, the weather is hot and humid almost all year round. Conditions are favourable for the development of lightning producing thunderstorm clouds. An average of 171 thunderstorm days (days when thunder is heard) are recorded annually in Singapore.

It is mandatory for all organizers of SDEV sanctioned events to monitor lightning risk. Before commencement of, and during any outdoor event, please monitor for lightning activity. This information can be found at:

- NEA website at www.nea.gov.sg
- NEA's iPhone App (myEnv)
- NEA's Android App (Lightning@SG)
- NEA's mobile weather service at Weather@SG (weather.nea.gov.sg)
- Twitter via @NEAsg
- the weather forecast hotline at 6542 7788

Some things to note when using the Lightning@SG App

- Set the alert/detection range to 8km
- Ensure your data connection is on
- Ensure your GPS is on
- When you see a black diamond / ball as shown in the diagram below, it means that lightning is detected at that location where it is displayed, **seek shelter immediately**



Some precautions during a thunderstorm when you are outdoors

- Take shelter in a house, large building or car and **remain inside for at least 30 minutes after the last thunder is heard**
- If no structure is available in open areas, head for the lowest elevation and crouch down as low as possible, supporting yourself on the balls of your feet with heels touching (Lightning Crouch position)



- In open water, head for the shore immediately
- Stay off bicycles, motorcycles or golf carts
- Avoid large, open areas and high ground
- Spread out if in a group
- On a golf course (without any nearby shelter), put down your clubs, take off spike shoes and adopt the lightning crouch position
- Stay away from isolated tall objects such as trees, towers or poles
- Stay away from metal conductors such as fences, pipes and rails
- Do not hold metal objects such as golf clubs, umbrellas or bicycles
- Do not handle explosive or inflammable materials

If you are indoors, keep away from any conducting path to the outside such as wires/cables and metal pipes that extend outside the structure/building. Lightning can travel through electrical, plumbing and communication reception systems. It can also travel through any metal wires or bars in concrete walls/flooring