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AIRPORT EMERGENCY SERVICE

FIRE PREVENTION CIRCULAR

To All Staff and Partners

FIRE SAFETY ADVISORY ON ELECTRICAL FIRE HAZARD

1. In our ongoing commitment to the safety and well-being of the public, CAG community and the protection of properties, AES would like to bring your attention to an important aspect of fire safety in electrical wiring and components. Electrical fires are a significant threat in the workplace and Airport Terminals, and it is important that we all remain vigilant and informed about the risks and preventive measures.
2. Recently, there were two cases of electrical fires that occurred in Changi Airport Terminal 2. The fires were successfully extinguished by airport staff using fire extinguishers.
3. Electrical fires can be caused by various factors, including faulty wiring, overloaded circuits, damaged outlets, and malfunctioning electrical equipment. To mitigate these risks and raise awareness, we have compiled some essential fire safety guidelines related to electrical wiring and components.
 - a. **Regular Inspections:** All electrical wiring and components should be inspected and maintained yearly. If you notice any frayed wires, damaged outlets, or exposed wiring, report it immediately to the maintenance team. Always engage a Licensed Electrical Worker (LEW) for any electrical work.
 - b. **Overloaded Circuits:** Avoid overloading electrical circuits by using power strips and extension cords sparingly. Overloading circuits can lead to overheating and potentially start a fire.
 - c. **Proper Use of Extension Cords:** When using extension cords, ensure they are in good condition and rated for the intended use. Do not use damaged or frayed cords.

- d. **Unplug Unused Appliances:** When not in use, unplug appliances and equipment. This not only conserves energy but also reduces the risk of electrical fires. Do not use faulty electrical appliances.
 - e. **Combustible Materials:** All combustible materials (cardboard boxes, newspapers, paper cup and, etc) shall be kept away from electrical sockets.
 - f. **Obstruction:** Electrical fixtures shall not be obstructed at all times.
 - g. **Fire Extinguishers:** Ensure that you know the locations of fire extinguishers in your work area and understand how to use them.
 - h. **Don't use water:** Water is a natural conductor of electricity and if you use water on an electrical fire, you can get shocked or electrocuted. Also, water may enable fire to spread by conducting electricity throughout the room and potentially igniting flammable materials.
 - i. **LED Advertising Panel:** Ventilation openings shall be incorporated near the LED driver compartment of the box-up LED advertising panels to avoid the buildup of heat.
4. By following these guidelines, we can significantly reduce the risk of electrical fires and ensure a safe working environment for everyone.
5. We appreciate your efforts in maintaining a high level of fire safety awareness and building towards a good fire safety in Changi airport. For further clarifications, please contact AES fire Prevention at 65412535 or email at fire.safety@changiairport.com.



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