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Date : 15 April 2026
To : Registered Suppliers and Conformity Assessment Bodies
Subject : Regulatory Requirements for Electric Fire Stoves

This circular provides clarification on the testing, certification, and registration requirements for electric fire stoves under the Consumer Protection (Safety Requirements) Regulations (CPSR).

2 Electric fire stoves, also known as 'plasma stoves', produce flames for cooking purposes using high-voltage electricity. The Consumer Product Safety Office (CPSO) has assessed that such electric fire stoves fall under the Controlled Goods (CG) category of "Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances", which encompasses electrical appliances intended for household use that utilise heated medium such as air and cooking oil for food preparation, with a rated voltage not exceeding 250 VAC. They are electrical cooking appliances intended for household use that generate heat for food preparation using electricity. Although their design differs from conventional electric cooking appliances, they are designed to perform a similar cooking function and therefore fall within the scope of CGs regulated under the Consumer Protection (Safety Requirements) Regulations (CPSR).

3 Under the CPSR, CGs need to be tested and certified to the CPSO's specified safety standards and requirements before they can be registered and affixed with the SAFETY Mark.

4 Following consultation with technical experts and conformity assessment bodies, the CPSO has determined that existing relevant international standards for household electrical cooking appliances do not adequately address the unique safety risks posed by electric fire stoves. These considerations arise from the products' design and operating principles. Electric fire stoves use very high electrical voltages to generate exposed plasma flame-like effects that reach much higher temperatures than conventional gas or electric hobs. This introduces additional safety considerations, and the existing international standards for household cooking appliances are insufficient to adequately assess the associated risks. Unlike other appliances in this CG category, electric fire stoves are therefore not eligible for Safety Mark registration and cannot be supplied in Singapore.

5 CPSO will continue to monitor international standards development and will review its regulatory position should suitable safety standards that adequately address the relevant risks become available.

6 For enquiries, contact the CPSO at go.gov.sg/contact-cpso. Alternatively, visit the CPSO website at www.consumerproductsafety.gov.sg.

Issued by:
The Consumer Product Safety Office

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