

No : 04/2013

Date : 25 February 2013

## **AIRPORT EMERGENCY SERVICE**

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### **FIRE SAFETY CIRCULAR**

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To All Airport Partners in CAG buildings

#### **CHANGE FROM SS CP 55 TO SS 578 – USE AND MAINTENANCE OF PORTABLE FIRE EXTINGUISHERS**

Please be advised that with effect from 1 May 2013, SS 578 : 2012 shall replace SS CP 55 : 1991 for the use and maintenance of portable fire extinguishers. The main changes affecting CAG buildings have been summarized in Annex A.

2 We seek the cooperation of all airport partners in CAG buildings to effect the changes according to the time frame given. On its part, AES will continue to educate building occupants on the new requirements through its ongoing fire prevention checks and fire safety education programmes.

3 For more information, please contact the AES FSU at 65412535, email to [fire.safety@changiairport.com](mailto:fire.safety@changiairport.com) or refer to the fire safety manual at <http://www.changiairportgroup.com/cag/html/our-services/airport-emergency-services/fire-safety>.

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AIRPORT EMERGENCY SERVICE

## Annex A – Changes to the Use and Maintenance of Portable Fire Extinguishers

<div style="text-align: center; border: 1px solid black; background-color: #FFD700; padding: 2px; margin-bottom: 10px;"><b>Classification of fires</b></div> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 5px; width: 45%; text-align: center;"><b>SS CP 55</b></div> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 5px; width: 45%; text-align: center;"><b>SS 578</b></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%; background-color: #ADD8E6; padding: 5px;"> <ul style="list-style-type: none"> <li>• Class A – Ordinary combustible materials</li> <li>• Class B – Flammable liquids</li> <li>• Class C – Live electrical equipment</li> <li>• Class D – Combustible metals</li> </ul> </div> <div style="width: 48%; background-color: #ADD8E6; padding: 5px;"> <ul style="list-style-type: none"> <li>• Class A – Ordinary combustible materials</li> <li>• Class B – Flammable liquids</li> <li>• <b>Class C – Flammable gases</b></li> <li>• Class D – Combustible metals</li> <li>• <b>Class F – Cooking media</b></li> </ul> </div> </div>	<p><b><u>i) New Fire Classification</u></b></p> <p>There has been a change in the fire classification whereby Class C fires now involve flammable gases and Class F fires now involve cooking media.</p>	<p><b><u>Action by Building Owner and Occupants</u></b></p> <p>All relevant agencies in CAG buildings shall brief their staff on the new fire classifications.</p>
<div style="text-align: center;">  </div> <p style="text-align: center;">Figure L.1 — Class F pictogram</p>	<p><b><u>ii) Class F fire extinguishers</u></b></p> <p>With effect from 1 May 2013, only Class F rated fire extinguishers shall be installed in F&amp;B outlets.</p>	<p><b><u>Action by Building Owner and Occupants</u></b></p> <p>All food and beverages outlets in CAG buildings shall install Class F rated fire extinguishers in their premises by <b><u>1 May 2013</u></b>.</p>
<div style="text-align: center;">  </div>	<p><b><u>iii) Fire extinguishers for electrical fires</u></b></p> <p>With effect from 1 May 2013, only selected fire extinguishers may be used on electrical fires.</p>	<p><b><u>Action by Building Owner and Occupants</u></b></p> <p>CAG FM and all tenants in CAG buildings shall install appropriately labeled fire extinguishers for use on electrical fires. Fire extinguishers installed before 1 May 2013 can be replaced at the next maintenance date.</p>
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>	<p><b><u>iv) Ban on use of halon fire extinguishers</u></b></p> <p>With immediate effect, halon fire extinguishers shall not be used in CAG buildings.</p>	<p><b><u>Action by Building Owner and Occupants</u></b></p> <p>CAG FM and all tenants in CAG buildings shall replace halon fire extinguishers with wet chemical or clean agent fire extinguishers if halon fire extinguishers are still in use.</p>
<div style="text-align: center; border: 1px solid black; background-color: #FFD700; padding: 2px; margin-bottom: 10px;"><b>Installation of fire extinguishers</b></div> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 5px; width: 45%; text-align: center;"><b>SS CP 55</b></div> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 5px; width: 45%; text-align: center;"><b>SS 578</b></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%; background-color: #ADD8E6; padding: 5px;"> <ul style="list-style-type: none"> <li>• Extinguishers to be installed such that the carrying handle is not more than 1.5 metres above the floor</li> </ul> </div> <div style="width: 48%; background-color: #ADD8E6; padding: 5px;"> <ul style="list-style-type: none"> <li>• Gross weight &lt; 4 kg installed such that carrying handle is not more than 1.2 m above the floor</li> <li>• Gross weight &gt; 4 kg installed such that carrying handle is not more than 1 m above the floor</li> </ul> </div> </div>	<p><b><u>v) Fire extinguisher installation height</u></b></p> <p>With effect from 1 May 2013, fire extinguishers installed in newly approved areas shall meet the new height requirements.</p>	<p><b><u>Action by Building Owner and Occupants</u></b></p> <p><b><u>From 1 May 2013</u></b>, CAG FM and all tenants in CAG buildings shall install fire extinguishers according to the new height requirements for all newly approved areas within CAG premises.</p>