





## **Explanatory Notes for the completion of the Hazard Warning Registration Form:**

### General guidelines





1. The Hazard Warning Placards are to be posted on all laboratory doors including ones without any hazardous materials or operations.
2. For the areas without hazards, the placard should state “NO SPECIAL HAZARDS” (e.g. the computer labs).
3. The placards are also recommended to be posted on doors to store areas which hold hazardous materials or operation (such as swimming pool plant room).

### Guidance notes for completing the Form

1. “Number of Signs Required” refer to the number of placard to be posted. That means you will require two if your room has two different doors.
2. The placards should not indicate any hazard which is not present in the room. Any changes in the hazard status of a room should be reported to Environmental Health & Safety Section (EHS) promptly so that the placards can be updated to reflect the current state of affairs within the room.
3. Telephone numbers listed on the placards should be for emergency contacts. The “Emergency Contact Person 1 and 2” are persons who are able to provide current information on operation within the rooms.
4. Only the office telephone number will be posted on placard. “Home Phones” and “Other means of contact” will not be posted or otherwise disclosed. These will be kept in EHS for emergency contact purpose only. You have the rights to access to, and/or correction of your personal data. All personal data access requests should be addressed in writing to EHS of the Estates Office.
5. The person who completes this Form should inform all contact person(s) provided in this Form the purpose and details to be put in this Form, consent should be obtained from the person(s) prior to submission.

Registration for Hazard Warning Placard			
Room No.	Designation <sup>①</sup>	Department	No. of Signs Required <sup>②</sup>
Person in Charge			
Name/Post			
Contact Phone(s)			
Home Phone(s) <sup>③</sup>			
Pager, other means of contact <sup>③</sup>			
Emergency Contact 1			
Name/Post			
Contact Phone(s)			
Home Phone(s) <sup>③</sup>			
Pager, other means of contact <sup>③</sup>			
Emergency Contact 2			
Name/Post			
Contact Phone(s)			
Home Phone(s) <sup>③</sup>			
Pager, other means of contact <sup>③</sup>			
<p>① Name of the room, e.g. research lab, hot lab, teaching lab etc.</p> <p>② There should be one sign at each entrance.</p> <p>③ For emergency contact only, will not be posted or otherwise disclosed.</p>			
Types of Hazard Warnings			
<input type="checkbox"/>	 <b>RADIOACTIVE MATERIAL</b> 放射性物質	Potential hazard in the form of unsealed radioisotopes and/or possibly contaminated equipment/objects in this area.	
<input type="checkbox"/>	 <b>X-RAY HAZARD</b> X-射線危險	Irradiating apparatus capable of producing x-rays is present in this area.	
<input type="checkbox"/>	 <b>LASER HAZARD</b> 激光危險	Class III or Class IV Laser present in this area.	
<input type="checkbox"/>	 <b>MAGNETIC FIELD</b> 磁場危險	Machines capable of producing an exposure to magnetic field, radiofrequencies and microwave radiation exceeding 1/2 the Threshold Limit Value TLV.	

□	 <b>RF RADIATION</b> 射頻輻射	<b>Radiofrequency/Microwave Threshold Limit Values (TLVs)</b> <table border="1" data-bbox="644 215 1453 479"> <thead> <tr> <th>Frequency</th> <th>Power Density (mW/cm<sup>2</sup>)</th> <th>Electric Strength (V<sup>2</sup>/m<sup>2</sup>)</th> <th>Field Squared</th> <th>Magnetic Strength Squared (A<sup>2</sup>/m<sup>2</sup>)</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>10 kHz to 3 MHz</td> <td>100</td> <td>377,000</td> <td></td> <td>2.65</td> <td></td> </tr> <tr> <td>3 MHz to 30 MHz</td> <td>900/f*</td> <td>3770 x 900/f<sup>2</sup></td> <td></td> <td>900(37.7xf<sup>2</sup>)</td> <td></td> </tr> <tr> <td>30 MHz to 100 MHz</td> <td>1</td> <td>3770</td> <td></td> <td>0.027</td> <td></td> </tr> <tr> <td>100 MHz to 1 GHz</td> <td>f/100</td> <td>3770 x f/100</td> <td></td> <td>f/37.7 x 100</td> <td></td> </tr> <tr> <td>1 GHz to 300GHz</td> <td>10</td> <td>37,700</td> <td></td> <td>0.265</td> <td></td> </tr> </tbody> </table> <p>* f = frequency in MHz</p>	Frequency	Power Density (mW/cm <sup>2</sup> )	Electric Strength (V <sup>2</sup> /m <sup>2</sup> )	Field Squared	Magnetic Strength Squared (A <sup>2</sup> /m <sup>2</sup> )	Field	10 kHz to 3 MHz	100	377,000		2.65		3 MHz to 30 MHz	900/f*	3770 x 900/f <sup>2</sup>		900(37.7xf <sup>2</sup> )		30 MHz to 100 MHz	1	3770		0.027		100 MHz to 1 GHz	f/100	3770 x f/100		f/37.7 x 100		1 GHz to 300GHz	10	37,700		0.265	
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□	 <b>MICROWAVE RADIATION</b> 微波輻射																																					
□	 <b>HIGH VOLTAGE</b> 高壓電力	<p>&gt; 600 V AC or 1.0 kV DC, or especially hazardous situation such as exposed conductors.</p>																																				
□	 <b>ULTRAVIOLET LIGHT</b> 紫外線危險	<p>Presence of ultraviolet source in the spectral region between 180 and 400nm which is capable of emitting UV radiation of an Effective irradiance* exceeding 0.1 W /cm<sup>2</sup>. (1/2 the permissible exposure for 8 hr.) This includes arc, vapor and gas discharge, incandescent and fluorescent lamps but excludes lasers.</p> <p>* Effective irradiance = Total irradiance weighted against the peak of the spectral effectiveness curve (270nm).</p>																																				
□	 <b>HIGH PRESSURE SYSTEM</b> 高壓裝置	<p>Dangerous high pressure system. E.g. pressure vessels, receiver, high pressure gas line, especially when fragile apparatus is involved.</p>																																				
□	 <b>HIGH VACUUM SYSTEM</b> 真空裝置	<p>Hazard of implosion due to fracture of high vacuum vessel.</p>																																				
□	 <b>BIOHAZARDS</b> 生物危害	<p>Biological organisms/agents which present a hazard to human health or the environment.</p>																																				
□	 <b>CARCINOGENS</b> 致癌物質	<p>Suspect or confirmed human carcinogen stored/used in this area.</p>																																				
□	 <b>LABORATORY ANIMALS</b> 實驗動物	<p>Animal holding or animal experiment area.</p>																																				
□	 <b>TOXIC SUBSTANCES</b> 有毒物質	<p>Large quantity of toxic substance stored/used in this area.</p>																																				
□	 <b>TOXIC GASES</b> 有毒氣體	<p>Toxic gases stored, used or being generated in this area.</p>																																				
□	 <b>OXIDIZING MATERIAL</b> 助燃物品	<p>Strong oxidizing material stored or used in this area.</p>																																				

<input type="checkbox"/>	 <b>EXPLOSIVE MATERIAL</b> 爆炸性物品	Explosive or shock-sensitive material stored or used in this area.
<input type="checkbox"/>	 <b>FLAMMABLE MATERIAL</b> 易燃物品	Flammable material stored or used in this area.
<input type="checkbox"/>	 <b>CORROSIVE MATERIAL</b> 腐蝕性物質	Corrosives (materials that may cause severe damage on contact with living tissues) stored or used in this area.
<input type="checkbox"/>	 <b>COMPRESSED GASES</b> 壓縮氣體	Compressed gases stored or used in this area.
<input type="checkbox"/>	<b>NO SPECIAL HAZARDS</b>	Rooms without hazards.

**Control Measures**

<input type="checkbox"/>	 <b>NO UNAUTHORIZED ENTRY</b> 非請勿進	<input type="checkbox"/>	 <b>EAR PROTECTION REQUIRED</b> 佩帶護耳罩
<input type="checkbox"/>	 <b>DOSIMETER REQUIRED</b> 必需佩帶劑量計	<input type="checkbox"/>	 <b>RESPIRATOR REQUIRED</b> 佩帶呼吸器
<input type="checkbox"/>	 <b>FACE SHIELD REQUIRED</b> 佩帶護面罩	<input type="checkbox"/>	 <b>WEAR SAFETY GLASSES</b> 佩帶護目鏡

Name of Applicant:	Date:
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