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## **No. S 164**

### **CIVIL AVIATION AUTHORITY OF SINGAPORE ACT 2009**

#### **CIVIL AVIATION AUTHORITY OF SINGAPORE (CHANGI AIRPORT) (AMENDMENT) BY-LAWS 2025**

In exercise of the powers conferred by section 68 of the Civil Aviation Authority of Singapore Act 2009, the Changi Airport Group (Singapore) Pte. Ltd., being the airport licensee for Changi Airport, after consulting the Civil Aviation Authority of Singapore and with the approval of the Minister for Transport, makes the following By-laws:

#### **Citation and commencement**

1.—(1) These By-laws are the Civil Aviation Authority of Singapore (Changi Airport) (Amendment) By-laws 2025 and, except for by-law 7, come into operation on 12 March 2025.

(2) By-law 7 is deemed to have come into operation on 31 December 2021.

#### **Amendment of by-law 2**

2. In the Civil Aviation Authority of Singapore (Changi Airport) By-laws 2009 (G.N. No. S 313/2009) (called in these By-laws the principal By-laws), in by-law 2 —

(a) delete “, unless the context otherwise requires”;

(b) after the definition of “driver”, insert —

““earthworks” means —

(a) excavating earth, rock or other material (by whatever means) in connection with —

(i) any work for or relating to the construction,

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reconstruction, extension,  
renovation, alteration,  
demolition or repair of any  
building, road, railway, bridge,  
viaduct, flyover, sewer or  
sewerage works;

- (ii) any work for or relating to the  
laying, inspecting, repairing or  
renewing of any main, pipe,  
tunnel, duct, cable, fitting or  
other apparatus;
  - (iii) any soil investigation work; or
  - (iv) any other work that is usually  
undertaken by a person  
carrying on business as a  
contractor in the construction  
industry or as a professional  
civil or structural engineer;
- (b) boring, dredging, jacking, levelling,  
piling or tunnelling on or under any  
premises or street by any mechanical  
means; or
- (c) driving or sinking any earth rod,  
casing or tube into the ground;

“earthworks permit” means an earthworks permit  
issued by the airport licensee under  
by-law 77B(1);

“earthworks permit holder” means a holder of an  
earthworks permit;”;

(c) after the definition of “forklift driving permit”, insert —

““installation owner”, in relation to any underground  
installation, means the owner of the underground  
installation;”;

(d) after the definition of “road” or “roadway”, insert —

““service supplier”, in relation to any underground service, means the supplier of the underground service;”; and

(e) after the definition of “traffic sign”, insert —

““underground installation” means any pipe, tunnel, duct, line, wire, cable, fitting, drain, water fitting or other thing that —

(a) is located underground; and

(b) is used for the supply or transmission of chemicals, drainage, electricity, electronic signals, fuel, gas, refrigerant, sewage, telecommunications, water or other similar services;

“underground service” means the supply or transmission of chemicals, drainage, electricity, electronic signals, fuel, gas, refrigerant, sewage, telecommunications, water or other similar services through the use of any underground installation;”.

### **Replacement of by-law 64**

3. In the principal By-laws, replace by-law 64 with —

#### **“Issue and renewal of airfield vehicle permit**

**64.**—(1) Upon an application made under by-law 63 in respect of a motor vehicle, the airport licensee may issue or renew an airfield vehicle permit if the airport licensee is satisfied that —

(a) a valid vehicle licence has been issued for the motor vehicle under the Road Traffic Act 1961 and is in force;

(b) the registration of the motor vehicle has been waived under rule 3A of the Road Traffic (Motor Vehicles, Registration and Licensing) Rules (R 5); or

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(c) a valid certificate has been issued by an inspection agency approved by the airport licensee for the motor vehicle and is in force.

(2) The airport licensee may, at the time of issuing or renewing an airfield vehicle permit under paragraph (1), impose any condition that the airport licensee thinks fit.

(3) In determining an application made under by-law 63 for a motor vehicle, the airport licensee may consider one or more of the following factors:

- (a) the safety and security of the airport;
- (b) the operational and technical requirements of the airport, which include —
  - (i) the capacity of the airside;
  - (ii) the traffic flow within the airside;
  - (iii) whether the infrastructure of the airport supports the use of the motor vehicle within the airside; and
  - (iv) whether the use of the motor vehicle within the airside is consistent with the sustainable development of the airport;
- (c) environmental protection, which includes —
  - (i) the energy efficiency of the motor vehicle; and
  - (ii) the need to reduce the carbon emissions of motor vehicles within the airside;
- (d) the availability of other motor vehicles in the market that —
  - (i) run on an alternative fuel or power which serves as a substitute for fossil fuel (such as electricity); and

- (ii) are suitable for the operational and technical requirements of the airport,  
whether or not the applicant owns any such motor vehicles;
- (e) any other factor that the airport licensee considers to be relevant to ensure the efficient, safe, secure and sustainable operation of the airport.”.

#### **New Division 2A of Part V**

4. In the principal By-laws, after Division 2, insert —

*“Division 2A — Earthworks*

#### **Earthworks within airport**

77.—(1) Subject to paragraph (2), a person must not carry out any earthworks within any part of the airport without an earthworks permit.

(2) Nothing in paragraph (1) prevents any person from carrying out any earthworks that are necessary —

- (a) to ensure the safety of individuals, aircraft operations or property;
- (b) to remove deceased individuals or animals; or
- (c) to prevent danger to the public in the vicinity.

(3) A person who carries out any earthworks mentioned in paragraph (2) must inform the airport licensee of the earthworks —

- (a) as soon as reasonably practicable; and
- (b) no later than 2 working days after commencing the earthworks.

#### **Application for earthworks permit**

77A. An application to the airport licensee for an earthworks permit must —

- (a) be in writing;

- (b) be made in the manner that the airport licensee may require;
- (c) be accompanied by a plan showing the location affected by the proposed earthworks; and
- (d) be accompanied by any information, statements and documents that the airport licensee may require.

### **Issue of earthworks permit**

**77B.**—(1) Upon receiving an application made under by-law 77A, the airport licensee must consider the application and may —

- (a) issue an earthworks permit to the applicant; or
- (b) refuse to issue an earthworks permit.

(2) The airport licensee may refuse to issue an earthworks permit if the applicant has not complied with the following measures:

- (a) obtaining from the airport licensee or a relevant installation owner or service supplier (as the case may be), all necessary information on —
  - (i) any underground installation within the vicinity of those earthworks; and
  - (ii) the steps and precautions necessary to prevent damage to any underground installation or disruption to any underground service, within the vicinity of those earthworks;
- (b) obtaining from the airport licensee or a relevant installation owner or service supplier (as the case may be), the service drawings of the underground installation or underground service mentioned in sub-paragraph (a);
- (c) engaging the services of a licensed cable detection worker to detect the presence of any underground installation in the site of the proposed earthworks;

(d) submitting the following to the airport licensee:

- (i) if the licensed cable detection worker detects any underground installation under sub-paragraph (c) — a report by the licensed cable detection worker specifying the location of the underground installation;
- (ii) a report setting out an assessment of the risk that the proposed earthworks may pose to any underground installation or underground service in the site of the proposed earthworks and the method of the assessment;
- (iii) a report setting out the measures to be taken during the earthworks to protect any underground installation or underground service in the site of the proposed earthworks or any measures to divert the underground service.

(3) Without limiting by-law 78(2), the conditions subject to which an earthworks permit is issued may include any of the following:

- (a) any condition that is necessary or related to ensuring the safety, security or reliability of the airport;
- (b) a condition that reasonable access to the site of the proposed earthworks must be given to the airport licensee, any installation owner, any service supplier and any person engaged by the airport licensee, installation owner or service supplier (as the case may be) for the purpose of inspecting the site of the proposed earthworks or taking any necessary measures to protect any underground installation or underground service.

(4) In this by-law and by-law 77H, “licensed cable detection worker” means a person who holds a valid licence granted under the Electricity (Cable Detection Workers) Regulations (Rg 3).

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**Validity of earthworks permit**

**77C.** An earthworks permit ceases to be valid when —

- (a) the validity duration for the earthworks permit determined by the airport licensee under by-law 78(2) expires; or
- (b) the earthworks permit is cancelled under by-law 77D,

whichever occurs first.

**Cancellation of earthworks permit**

**77D.** The airport licensee may, without compensation, cancel any earthworks permit issued if the airport licensee is of the view that —

- (a) the earthworks permit was obtained by fraud or misrepresentation;
- (b) the earthworks permit holder has breached a condition of the earthworks permit;
- (c) the earthworks permit holder has contravened by-law 77E, 77F, 77H or 77I; or
- (d) the carrying out of the earthworks under the earthworks permit poses or is likely to pose a risk to the safety, security or reliability of any underground installation or underground service within the airport.

**Use of approved service corridors, service ducts or other associated structures for underground installations**

**77E.—**(1) Paragraph (2) applies before an earthworks permit holder installs or replaces any underground installation within the airport as part of carrying out earthworks.

(2) The earthworks permit holder must propose to the airport licensee the service corridor, service ducts or other associated structures through which the earthworks permit holder intends to lay the underground installation.



(3) An earthworks permit holder must only lay the underground installation through a service corridor, service duct or other associated structure that is approved for such use by the airport licensee.

**Removal of underground installation of decommissioned underground service**

**77F.**—(1) Paragraph (2) applies when an earthworks permit holder carrying out any earthworks within the airport discovers any underground installation that is not shown in the underground service plan.

(2) The earthworks permit holder must inform the airport licensee of that discovery —

- (a) as soon as reasonably practicable; and
- (b) no later than 24 hours after that discovery.

(3) If the underground service relating to the underground installation discovered has been decommissioned, the airport licensee may direct the earthworks permit holder to remove any underground installation of the decommissioned underground service that is exposed when carrying out the earthworks.

(4) An earthworks permit holder must comply with any direction given by the airport licensee under paragraph (3).

**Submission of as-built drawings and plans of underground installations**

**77G.**—(1) Paragraph (2) applies to an earthworks permit holder who carries out any earthworks, or a person who carries out any earthworks mentioned in by-law 77(2), within the airport.

(2) The earthworks permit holder or person must, within 3 months after completing the earthworks (or any longer period that the airport licensee may allow in writing), submit the following to the airport licensee in the form and manner specified by the airport licensee:

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- (a) if the earthworks involve the laying of any new underground installation — the latest as-built drawings containing accurate positional information and details of any underground installation laid;
  - (b) the latest plans of any existing underground installation affected by the earthworks or any existing underground service diverted to avoid the earthworks (if any), including any underground installation that —
    - (i) has been discovered when carrying out the earthworks;
    - (ii) relates to an underground service that has been decommissioned; and
    - (iii) has not been removed under by-law 77F.

### **Measures to protect underground installations**

**77H.**—(1) An earthworks permit holder who carries out any earthworks within the airport must establish and implement measures for the prevention of damage to underground installations during those earthworks.

(2) Without limiting paragraph (1), the measures include ensuring that any earthworks in the vicinity of any known underground installation are supervised by both a registered earthworks supervisor and a licensed cable detection worker, unless the airport licensee otherwise allows.

(3) In this by-law, “registered earthworks supervisor” means a person who is registered as an earthworks supervisor with an electricity licensee within the meaning given by section 2(1) of the Electricity Act 2001.

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**Reportable incidents relating to underground installations, etc.**

**77I.**—(1) Paragraph (2) applies if an incident involving any underground installation or underground service occurs during the carrying out of any earthworks within the airport and the incident causes or is likely to cause —

- (a) loss of life or serious injury to any person; or
- (b) damage to any underground installation or disruption to any underground service.

(2) The earthworks permit holder concerned must —

- (a) immediately report the incident (and the location of the incident) at the following places:
  - (i) the fault reporting centre of the Authority;
  - (ii) the fault management centre of the airport licensee;
- (b) inform the following persons of the incident (and the location of the incident) as soon as reasonably practicable:
  - (i) the installation owner concerned;
  - (ii) the service supplier concerned;
  - (iii) any person responsible for the maintenance of the underground installation concerned; and
- (c) carry out any rectification works to the underground installation concerned that the airport licensee may require.

(3) If the incident involves any damage to an underground installation, the earthworks permit holder must —

- (a) provide any assistance to the airport licensee that the airport licensee may require for the purpose of investigating the damage and the circumstances leading to the damage; and

(b) prepare, and submit to the airport licensee, a report of the incident in the form specified by the airport licensee.

(4) A report mentioned in paragraph (3)(b) must include any proposed mitigation measures to prevent future recurrences of the incident if the airport licensee so requires.”.

### **New by-law 83A**

5. In the principal By-laws, after by-law 83, insert —

#### **“Removal, etc., of underground installations or underground services**

**83A.** A person must not, without reasonable excuse —

- (a) wilfully remove, destroy, damage or tamper with any underground installation within the airport; or
- (b) knowingly hinder or disrupt any underground service within the airport.”.

### **Deletion of by-law 94**

6. In the principal By-laws, delete by-law 94.

### **Miscellaneous amendments**

7. In the principal By-laws —

- (a) in by-law 69(1)(a), replace “(Cap. 276)” with “1961”;
- (b) in by-law 69(1)(b), after “Road Traffic Act”, insert “1961”;  
and
- (c) in by-law 95(2), replace “(Cap. 354A)” with “2006”.

*[G.N. No. S 635/2022]*

Made on 6 March 2025.

TAN GEE PAW  
*Chairperson,*  
*Changi Airport Group*  
*(Singapore) Pte. Ltd.*

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