

**AIR NAVIGATION ACT
(CHAPTER 6, Section 4H(1)(a))**

**DIRECTIVE NO. 9/2020
(COVID-19 MEASURES FOR SINGAPORE AIR OPERATORS)**

Unofficial consolidated version incorporating Amendments 1 to 15

Part 1

Citation and Commencement

1. This Directive may be cited as Directive No. 9/2020 (hereinafter referred to as “this Directive”).
2. This Directive takes effect from 1559 hrs GMT 26 October 2020.

Part 2

Measures

3. Unless otherwise specified, this Directive applies to every holder of an air operator certificate¹, who operates an aircraft into or out of Singapore (hereafter referred to as a “Singapore air operator”).
4. In the interests of protecting public health, a Singapore air operator must take all practicable steps to implement the measures contained in this Directive.

Pre-flight measures

5. A Singapore air operator must, before operating a flight—
 - (a) conduct a basic health assessment of each passenger before he or she boards the aircraft for the flight to or from Singapore, which must include asking the passenger the following questions:
 - (i) Do you have any of the following symptoms: fever, cough, runny nose, sore throat, anosmia², or shortness of breath?

¹ An air operator certificate is an aviation safety instrument granted under Regulation 6 of the Air Navigation (119 – Air Operator Certification) Regulations 2018.

² Loss of sense of smell

- (ii) Are you diagnosed or suspected to have COVID-19 infection in the last 14 days?

[Amendment 15 to Directive 9/2020, effective 1559 hrs GMT 6 Oct 2021]

- (iii) Did you have close contact with any case of COVID-19 in the last 10 days?

[Amendment 15 to Directive 9/2020, effective 1559 hrs GMT 6 Oct 2021]

- (b) - *deleted* -

[Amendment 14 to Directive 9/2020, effective 1559 hrs GMT 26 Sep 2021]

- (ba) require of each relevant passenger to provide proof in the form of a test result memo (or in any other form that the Director-General of Civil Aviation may specify) that the passenger has taken a COVID-19 Polymerase Chain Reaction ("PCR") test within:

- (i) a period of 48 hours before the scheduled day of departure of that flight, if the passenger had not embarked on any other aircraft as part of a journey to Singapore, before that flight³; or

- (ii) if the passenger has one or more transit stops as part of his journey to Singapore:

- (A) a period of 48 hours before the scheduled day of departure of the first flight in the journey, if the total duration of the scheduled transit stops before the last flight in the journey is 24 hours or less; or

- (B) a period of 48 hours before the scheduled day of departure of the last flight in the journey, if the total duration of the scheduled transit stops before that last flight exceeds 24 hours;

[Amendment 6 to Directive 9/2020, effective 1559 hrs GMT 29 May 2021]

[Amendment 7 to Directive 9/2020, effective 1559 hrs GMT 14 Jun 2021]

[Amendment 8 to Directive 9/2020, effective 1559 hrs GMT 27 Jun 2021]

[Amendment 9 to Directive 9/2020, effective 1559 hrs GMT 12 Jul 2021]

[Amendment 13 to Directive 9/2020, effective 1559 hrs GMT 9 Sep 2021]

- (c) not board any passenger who —

- (i) - *deleted* -

[Amendment 14 to Directive 9/2020, effective 1559 hrs GMT 26 Sep 2021]

- (ii) has indicated "YES" to any of the questions set out in subparagraph (a); or

³ To illustrate, if a passenger is departing on 10 September 2021, the test must be taken no earlier than 8 September 2021.

- (iii) displays any of the COVID-19 symptoms;
- (d) not board any relevant passenger —
 - (i) who fails to provide the proof mentioned in sub-paragraph (ba);
 - (ii) whose proof does not meet the requirements specified in paragraph 5AA(c); or
 - (iii) whose PCR test taken in accordance with paragraph (ba) has a positive result.

[Amendment 6 to Directive 9/2020, effective 1559 hrs GMT 29 May 2021]

[Amendment 9 to Directive 9/2020, effective 1559 hrs GMT 12 Jul 2021]

[Amendment 13 to Directive 9/2020, effective 1559 hrs GMT 9 Sep 2021]

5AA. For the purpose of paragraph 5(ba), unless otherwise specified by the Director-General of Civil Aviation:

- (a) “journey to Singapore” and “journey” includes a journey via Singapore to a destination beyond Singapore;
- (b) the last flight in the journey is the flight that is scheduled to arrive in Singapore, whether or not the passenger continues to a destination beyond Singapore after arriving in Singapore;
- (c) the proof of a PCR test must meet the following requirements:
 - (i) is issued by an internationally accredited or recognised laboratory, clinic or medical facility specified on the Internet website of the Singapore Ministry of Health at <https://www.moh.gov.sg/covid-19/accreditation-bodies-for-covid-19-testing>;
 - (ii) is in the English language; and
 - (iii) states the:
 - (A) test result;
 - (B) the date that the test was taken; and
 - (C) the name of the passenger as stated in the passport and at least one other personal identifier such as the date of birth or passport number.

[Amendment 6 to Directive 9/2020, effective 1559 hrs GMT 29 May 2021]

[Amendment 9 to Directive 9/2020, effective 1559 hrs GMT 12 Jul 2021]

[Amendment 13 to Directive 9/2020, effective 1559 hrs GMT 9 Sep 2021]

- 5A. A Singapore air operator must notify its passengers by appropriate means, such as on its website or by displaying signs at its check-in counters, of the following requirements:
- (a) a passenger who has indicated “YES” to any of the questions set out in subparagraph 5(a) or who displays any COVID-19 symptoms will not be allowed to board the aircraft;
[Amendment 14 to Directive 9/2020, effective 1559 hrs GMT 26 Sep 2021]
 - (aa) a passenger who fails to provide the proof required under paragraph 5(ba), or whose proof does not meet the requirements specified in paragraph 5AA(c), or whose PCR test taken in accordance with paragraph 5(ba) has a positive result, will not be allowed to board the aircraft; and
[Amendment 7 to Directive 9/2020, effective 1559 hrs GMT 14 Jun 2021]
[Amendment 9 to Directive 9/2020, effective 1559 hrs GMT 12 Jul 2021]
[Amendment 13 to Directive 9/2020, effective 1559 hrs GMT 9 Sep 2021]
 - (b) a passenger entering Singapore must comply with Singapore’s public health and immigration requirements as specified by the Immigration and Checkpoints Authority on its website at safetravel.ica.gov.sg.
[Amendment 2 to Directive 9/2020, effective 8 Jan 2021]
6. A Singapore air operator must relieve a crew member from flight duty if the crew member —
- (a) is unwell with fever or has any of the COVID-19 symptoms, when reporting for duty for a flight;
 - (b) is diagnosed with or suspected to have had COVID-19 infection in the last 14 days; or
[Amendment 15 to Directive 9/2020, effective 1559 hrs GMT 6 Oct 2021]
 - (c) has had close contact in the last 10 days with any person who has been infected, or is suspected to be infected, with COVID-19.
[Amendment 15 to Directive 9/2020, effective 1559 hrs GMT 6 Oct 2021]

In-flight measures

7. A Singapore air operator must ensure that the following measures are taken on board an aircraft during a flight of the aircraft:
- (a) that every passenger on board wears a mask, unless he or she —
 - (i) is less than 6 years old;
 - (ii) has breathing difficulties;

- (iii) is unconscious;
- (iv) is unable to remove a mask without assistance;
- (v) is eating, drinking or taking oral medication; or
- (vi) is removing the mask under a crew member's direction;
- (b) that each crew member in the aircraft cabin wears —
 - (i) a mask at all times; and
 - (ii) a face shield, goggles or an equivalent protective equipment when interacting with passengers;

except where the use of such equipment impedes the crew member's ability to discharge safety responsibilities;
- (c) that each flight crew member wears a mask while in the cockpit, except where —
 - (i) the wearing of mask hampers effective communication with other flight crew members in the cockpit or with a person on the ground, including an air traffic controller;
 - (ii) the flight crew member needs to put on an oxygen mask; or
 - (iii) the use of the mask impedes the flight crew member's ability to discharge safety responsibilities in operating the aircraft;
- (d) that the amount of interaction between crew members, and between crew members and passengers, is minimised;
- (e) that appropriate measures are taken to minimise interaction between the crew members and passengers during meal or beverage services;
[Amendment 14 to Directive 9/2020, effective 1559 hrs GMT 26 Sep 2021]
- (f) - deleted -
[Amendment 14 to Directive 9/2020, effective 1559 hrs GMT 26 Sep 2021]
- (g) that each passenger observes safe distancing measures when not seated, including during embarkation and disembarkation and when queueing to use a lavatory;
- (ga) that a passenger's request to change his or her seat be accommodated, where practicable, if the passenger has preference for safe distancing;
[Amendment 1 to Directive 9/2020, effective 26 Oct 2020]

- (h) that each positioning or resting crew member is seated at least 2 metres away from any passenger;
- (i) that one lavatory is, to the extent practicable, designated for the exclusive use of the crew;
- (j) - *deleted* -
[Amendment 14 to Directive 9/2020, effective 1559 hrs GMT 26 Sep 2021]
- (k) - *deleted* -
[Amendment 14 to Directive 9/2020, effective 1559 hrs GMT 26 Sep 2021]

Managing unwell individual measures

8. A Singapore air operator must —
 - (a) designate the last three (3) rows of seats, on either the left or the right side of the cabin, as an emergency quarantine area; and
 - (b) require cabin crew to monitor passengers in order to identify any passenger who appears to be showing any COVID-19 symptom during the flight, including taking the passenger's temperature during flight if necessary to check for fever.
9. If a crew member or passenger becomes unwell and shows any COVID-19 symptom during a flight, the Singapore air operator must require the cabin crew to take the following measures —
 - (a) isolate and seat the unwell crew member or passenger in the last row of the emergency quarantine area;
 - (b) ensure that the unwell crew member or passenger wears a mask if his or her condition permits;
 - (c) reserve the lavatory closest to the emergency quarantine area for exclusive use by the unwell crew members or passengers;
 - (d) arrange for the unwell crew member or passenger to receive medical attention upon landing; and
 - (e) allow the unwell crew member or passenger to disembark only after all other passengers have disembarked, unless the unwell crew member or passenger needs urgent medical attention.

Post-flight measures

10. A Singapore air operator must ensure that the crew operating a turnaround flight do not disembark from the aircraft at the overseas destination, except:
- (a) to carry out external safety inspections of the aircraft;
 - (b) for health or security screening where required by the local authorities;
 - (c) positioning crew who are laying over at the destination;
 - (d) when cleaning is in progress within the aircraft.
- [Amendment 3 to Directive 9/2020, effective 10 Mar 2021]*
11. A Singapore air operator must ensure that any positioning crew member who disembarks at an overseas destination adheres to the crew lay over requirements described in paragraphs 12 and 13 below.
12. A Singapore air operator must ensure that every crew member, including positioning crew, who is on lay over at an overseas destination embarks or disembarks the aircraft at different times, or uses a separate entrance or exit, from that of passengers.
- [Amendment 3 to Directive 9/2020, effective 10 Mar 2021]*

Aircraft cleaning and disinfection

- 12A. To minimise the risk of transmission of COVID-19 to ground personnel, crew and passengers, a Singapore air operator must, as soon as is reasonably practicable after all passengers have disembarked from its aircraft, clean and disinfect —
- (a) all high-touch places and surfaces of the aircraft cabin, if the aircraft is in Singapore for a turnaround flight; and
 - (b) the aircraft cabin and cockpit, if the aircraft is in Singapore for a base lay over.
- [Amendment 3 to Directive 9/2020, effective 10 Mar 2021]*
- 12B. Where there was an unwell person showing any COVID-19 symptoms on board the aircraft on a flight into or out of Singapore, the Singapore air operator must clean and disinfect the section of the cabin in which the unwell person was seated, as soon as possible after passengers have disembarked from the aircraft.
- [Amendment 3 to Directive 9/2020, effective 10 Mar 2021]*

- 12C. A Singapore air operator must ensure that the cleaning and disinfecting agents used are known to be effective against COVID-19 and suitable for aircraft use and have been recommended by the aircraft manufacturer.

[Amendment 3 to Directive 9/2020, effective 10 Mar 2021]

- 12D. A Singapore air operator must ensure that the aircraft ventilation systems of an aircraft are switched on to ventilate the aircraft cabin and cargo hold when, upon arrival of the aircraft in Singapore, the cabin is being cleaned or when cargo and baggage are being unloaded.

[Amendment 7 to Directive 9/2020, effective 1559 hrs GMT 14 Jun 2021]

- 12E. For the purpose for paragraph 12D, cleaning does not include cleaning by means of a process, such as fogging, fumigation or electrostatic spraying, that may be rendered ineffective if the aircraft ventilation system is switched on

[Amendment 7 to Directive 9/2020, effective 1559 hrs GMT 14 Jun 2021]

Crew lay over measures

13. A Singapore air operator must implement the following arrangements, measures or requirements for its crew members who are laying over at an overseas destination —

[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- (a) where practicable, arrange for a dedicated route for the crew members to take, from the point of disembarkation from the aircraft, through the arrival and immigration facilities at the destination airport, to the crew transport (and vice versa when departing from that destination), that ensures safe distancing and minimises the mixing of the crew members with other persons;

[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- (b) arrange for transport exclusively allocated to convey the crew members between the airport and the crew accommodation, and require each crew member to adhere to safe distancing measures while being so transported;

[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- (c) require each crew member to wear a mask and either goggles or a face shield:

- (i) from the point of disembarkation from the aircraft to arrival at his or her assigned room at the crew accommodation (and vice versa when departing from that destination);

- (ii) at all times when outside of his or her assigned room at the crew accommodation;

[Amendment 2 to Directive 9/2020, effective 8 Jan 2021]

[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- (d) require each crew member to observe safe distancing at all times;
[Amendment 2 to Directive 9/2020, effective 8 Jan 2021]
[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]
- (e) require each crew member to strictly remain within the crew member's assigned room, or in an area outside the room but within the crew accommodation as the Director-General of Civil Aviation may specify, at all times (except where necessary to obtain medical treatment for a suspected COVID-19 infection or urgent medical treatment, to follow the lawful directions of a law enforcement or an emergency service officer to evacuate the room, or due to fire, flood or earthquake affecting the crew accommodation);
[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]
- (f) prohibit every crew member from allowing any person to enter the crew member's assigned room unless the person needs to enter the room to attend to an emergency.
[Amendment 2 to Directive 9/2020, effective 8 Jan 2021]
[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]
- (g) take measures to minimise contact by a crew member with the local population whilst on layover, such as making arrangements with the provider of the crew accommodation to ensure that:
 - (i) food is delivered without direct contact between the crew member and the person delivering the food;
 - (ii) no housekeeping services are provided except that the room is cleaned and disinfected before the arrival of the air crew;
 - (iii) a simplified check-in and check-out process is provided to minimise contact with the hotel staff or other hotel guests; and
 - (iv) any other measures as the Director-General of Civil Aviation may specify are met;*[Amendment 2 to Directive 9/2020, effective 8 Jan 2021]*
[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]
- (h) establish measures to ensure that each crew member remains within the assigned room or areas within the crew accommodation as described in sub-paragraph (e).
[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]
- (i) monitor the well-being and health of the crew regularly, and identify any crew member who becomes unwell; and
[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- (j) authorise and require the pilot-in-command of a flight to supervise the crew of that flight to ensure compliance with the above measures.
[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- 13A. Despite paragraph 13, a Singapore air operator may implement such other arrangements, measures or requirements applicable only to a vaccinated crew member with regard to that air crew member's lay over at an overseas destination as the Director-General of Civil Aviation may specify.
[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- 14. A Singapore air operator must not, for a period of at least 30 days, assign to duty for a flight, any crew member whom the Singapore air operator knows or has reason to believe has failed to comply with any arrangement, measure or requirement applicable to that crew member that the Singapore operator has implemented in accordance with paragraph 13 or 13A.
[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]
[Amendment 13 to Directive 9/2020, effective 1559 hrs GMT 9 Sep 2021]

COVID-19 Test Regime for air crew

- 14A. A Singapore air operator must require its air crew to undergo a COVID-19 test of such type and at such times as the Director-General of Civil Aviation may require, and ensure that every air crew member who is required to undergo such a test does so at the scheduled time.
[Amendment 2 to Directive 9/2020, effective 8 Jan 2021]
- 14B. A Singapore air operator must not, for a period of at least 30 days, assign to duty on a flight, any crew member whom the Singapore air operator knows or has reason to believe has failed to comply with paragraph 14A, unless the crew member has a reasonable excuse.
[Amendment 2 to Directive 9/2020, effective 8 Jan 2021]
[Amendment 13 to Directive 9/2020, effective 1559 hrs GMT 9 Sep 2021]

Measures relating to specified destinations

- 14C. The Director-General of Civil Aviation may, in respect of an overseas destination having an increased risk of COVID-19 transmission specified by him, and for such period if necessary —
[Amendment 5 to Directive 9/2020, effective 1 May 2021]
 - (a) prohibit a Singapore air operator from laying over its crew at that overseas destination; or
[Amendment 5 to Directive 9/2020, effective 1 May 2021]
 - (b) require a Singapore air operator to take measures for flights to or from that overseas destination, including pre-flight, in-flight or post-flight measures, or measures relating to aircraft cleaning and disinfection, lay

over of crew at that overseas destination or crew operating a turnaround flight to or from that overseas destination.

[Amendment 5 to Directive 9/2020, effective 1 May 2021]

- 14D. Any requirement imposed by the Director-General of Civil Aviation under paragraph 14C may be in addition to or supersede, the requirements in this Directive.

[Amendment 5 to Directive 9/2020, effective 1 May 2021]

Reporting

15. A Singapore air operator must without delay report to the Director-General of Civil Aviation on becoming aware of —

- (a) any person who is denied boarding in accordance with paragraph 5(c) or 5(d);

[Amendment 7 to Directive 9/2020, effective 1559 hrs GMT 14 Jun 2021]

- (b) any crew member who is relieved of his or her flight duty in accordance with paragraph 6;

- (c) any person who is unwell and shows COVID-19 symptoms during a flight as described in paragraph 9;

- (d) any crew member who does not remain in his or her assigned room during the lay over period as required in paragraph 13(e);

[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- (e) any crew member who becomes unwell during the lay over period as identified in accordance with paragraph 13(i);

[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- (ea) any crew member who has failed to comply with any arrangement, measure or requirement applicable to that crew member that the Singapore operator has implemented in accordance with paragraph 13 or 13A;

[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

- (f) any crew member who has been subject to a test or has tested positive for COVID-19;

[Amendment 5 to Directive 9/2020, effective 1 May 2021]

- (g) any crew member who fails to undergo a COVID-19 test, as required by the Director-General of Civil Aviation; and

[Amendment 2 to Directive 9/2020, effective 8 Jan 2021]

[Amendment 5 to Directive 9/2020, effective 1 May 2021]

- (h) any person who fails to comply with any measure applicable to that person as required by the Director-General of Civil Aviation under paragraph 14C.

[Amendment 5 to Directive 9/2020, effective 1 May 2021]

Definitions

16. For the purpose of this Directive —

“close contact” means:

- (a) face-to-face contact within 2 metres and for more than 15 minutes;
- (b) providing care for a COVID-19 patient, including in healthcare or family or social settings;
- (c) staying in the same place as a person with COVID-19, such as a household member;

[Amendment 3 to Directive 9/2020, effective 10 Mar 2021]

[Amendment 15 to Directive 9/2020, effective 1559 hrs GMT 6 Oct 2021]

“COVID-19” means the infectious disease known as Coronavirus Disease 2019;

“COVID-19 symptoms” include fever, coughing, runny nose, sore throat, anosmia and breathlessness;

“crew” means the flight crew and cabin crew, and includes positioning crew;

“face shield” means any film made from plastic or other transparent material designed or made to be worn like a visor, covering from the wearer’s forehead to below the chin area and wrapping around the sides of the wearer’s face, to provide the wearer protection against smoke, dust or liquid spatter;

“fever” means an increase in body temperature due to an illness, normally manifested by a body temperature of 37.5 degree Celsius or higher;

“mask” means any paper, plastic or textile covering solely designed or made to be worn over the nose and mouth to provide the wearer protection against infections or air pollution, but excludes a face shield;

“relevant passenger” means a passenger (including a passenger who is transferring or transiting through Singapore) who has, at any time within the

last 14 days prior to boarding a flight to Singapore⁴, been in, or transferred or transited through, any country or region other than:

[Amendment 15 to Directive 9/2020, effective 1559 hrs GMT 6 Oct 2021]

- (a) a country or region classified by the Ministry of Health as a Category I country or region; or
- (b) Singapore;

but does not include:

- (a) a child below 3 years of age⁵;
- (b) a passenger who is not required to present a valid negative COVID-19 PCR test, as specified by the Director-General of Civil Aviation;

[Amendment 13 to Directive 9/2020, effective 1559 hrs GMT 9 Sep 2021]

“safe distancing” means keeping to a distance of at least 1 metre from another person;

“vaccinated” means vaccinated against a COVID-19 infection by a vaccination provider who is approved by or accredited with the Government, using a vaccine described in the First Schedule of the Infectious Diseases (Mass Gathering Testing for Coronavirus Disease 2019) Regulations 2021 in the way described in the second and third columns of the First Schedule of the Infectious Diseases (Mass Gathering Testing for Coronavirus Disease 2019) Regulations 2021;

[Amendment 13 to Directive 9/2020, effective 1559 hrs GMT 9 Sep 2021]

“wear”, in relation to any provision in this Directive requiring a mask to be worn, means to wear a mask over and covering the wearer’s nose and mouth, with the mask touching the wearer’s nose, cheeks and chin.

Part 3

Compliance and Revocation

17. Every Singapore air operator to which this Directive applies is required by regulation 9A of the Air Navigation (119 – Air Operator Certification) Regulations 2018 (“ANR-119”) to comply with this Directive. A Singapore air operator who contravenes regulation 9A may be directed by the Authority under

⁴ To illustrate, if the scheduled day of departure of the flight is D (e.g. 7 October 2021), the last 14 consecutive days refer to D-14 to D (i.e. 23 September to 7 October 2021).

⁵ To illustrate, the age is calculated based on calendar year. If passenger is entering or transiting/transferring through Singapore in year of 2021, those born in or after 2019, are not required to take COVID-19 PCR test prior to departure for Singapore.

regulation 37 of ANR-119 to pay a financial penalty not exceeding the higher of:

- (a) \$500,000; or
- (b) 5% of the Singapore air operator's annual revenue derived from the regulated activity.

[Amendment 2 to Directive 9/2020, effective 8 Jan 2021]

18. The Director-General of Civil Aviation may require any Singapore air operator to which this Directive applies to:

- (a) maintain a record of the result of the PCR test mentioned in paragraph 5(ba) of every relevant passenger containing such information and for a specified period as he may specify; and
- (b) demonstrate compliance with the arrangements, measures and requirements set out in this Directive, including submitting the record mentioned in sub-paragraph (a) when requested to do so.

[Amendment 4 to Directive 9/2020, effective 6 Apr 2021]

[Amendment 13 to Directive 9/2020, effective 1559 hrs GMT 9 Sep 2021]

18A. Nothing in this Directive limits a Singapore air operator from, based on its assessment of risks of COVID-19 transmission at an overseas destination, or as advised by the Government, implementing additional measures to mitigate the risks to its passengers, crew or any other persons.

[Amendment 5 to Directive 9/2020, effective 1 May 2021]

19. The Director-General of Civil Aviation considers that, due to the need for swift measures to prevent the spread of the COVID-19, it is not practicable to give a notice under section 4H(5) of the Air Navigation Act.

20. The Directive No. 6/2020 issued on 8 May 2020 is hereby revoked.

Issued on 12 October 2020.

HAN KOK JUAN
Director-General of Civil Aviation
Civil Aviation Authority of Singapore