

Launceston Airport

Works Manual



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Table of Contents

1.	Introduction	5
1.1	Launceston Airport.....	5
1.2	Works Manual	5
2.	Definitions and Interpretation	6
3.	General Conditions	11
3.1	Emergency Procedures and Reporting Requirements	11
3.1.1	Terminal Evacuation Plan	11
3.1.2	Fire Safety.....	11
3.2	Airport Security	11
3.3	Worksite Security	11
3.4	Contractor Management Procedure.....	12
3.5	Hours of Work	12
3.6	Signage.....	12
3.7	Communication Equipment.....	12
3.8	Inductions.....	12
3.8.1	Airport Induction.....	12
3.8.2	Site Specific Induction.....	12
3.9	Signing In – Signing Out	13
3.10	Media	13
3.11	Use of Vehicles and Parking Arrangements	13
3.11.1	Site Access	13
3.11.2	Site Deliveries and Staff Parking	13
3.11.3	Roads and Road Closures.....	13
4.	Airport Safety Requirements	14
4.1	PPE Requirements	14
4.2	Drug and Alcohol Management	14
4.3	Smoking in Designated Areas Only	14
4.4	Plant Operations	14
4.4.1	Metal-Tracked Equipment.....	15
4.5	Noise.....	15
4.6	Electrical Safety	15
4.7	Permit/Authority	15
4.7.1	Isolation Process.....	15
4.7.2	Concealed Services	15
4.7.3	Confined Spaces.....	16
4.7.4	Crane/Boom Operation	16
4.7.5	Electrical Work.....	16

4.7.6	Hot Work	16
4.8	Hazardous Materials	16
4.9	Asbestos	16
4.10	Contaminated Areas	16
4.11	Compressed Air	16
4.12	Working at Heights.....	17
5.	Works Inspection and Handover	18
5.1	Inspections.....	18
5.2	Completion of Works.....	18
5.3	Certificate of Compliance	18
6.	Environmental Requirements	19
6.1	Environmental Responsibilities	19
6.2	Managing Spills.....	19
6.3	Flora, Fauna and Indigenous Heritage	19
6.4	Environmental Management Plan (EMP).....	19
7.	Security Restricted Zones	20
7.1	General	20
7.2	Security Identification Cards (ASICs and VICs).....	20
7.2.1	ASICS	20
7.2.2	VICs	21
7.3	Working in Terminal Sterile Areas	21
7.4	Suspicious Activity	21
7.5	Airside/Landside Boundaries	21
8.	Working in and around the Terminal	22
8.1	Floor loading restrictions.....	22
8.2	Mobile equipment.....	22
9.	Specific Airside Requirements	23
9.1	Airside Security and Safety.....	23
9.2	Works Safety Officer.....	23
9.3	Site Markings	23
9.4	Vehicle Access and Usage Airside	23
9.4.1	Vehicle Identification	24
9.4.2	Speed Limits	24
9.4.3	Airside Drivers Authority (ADA).....	24
9.5	Excavation in Airside Areas	24
9.6	Airside Pit Covers	24
9.7	Foreign Object Debris (FOD).....	25
9.8	Low Visibility Procedures	25
9.8.1	Trigger.....	25
9.8.2	Vehicle and pedestrian access	25
9.9	Lighting	25

10. Site Facilities26
 10.1 Site Office26
 10.2 Toilets26
 10.3 First Aid26
Appendix A Security, Hoarding and Safety Barrier Information27

1. Introduction

1.1 Launceston Airport

Launceston Airport (referred to in this Manual as “the Airport”), is approximately 16 kilometres from the Launceston CBD and is Tasmania’s major northern gateway for passengers and freight, annually handling over 8,500 aircraft movements and over 1.25 million passengers. The Airport operates 24 hours a day, 7 days per week.

Privatised in May 1998, the Airport is now operated by Australia Pacific Airports (Launceston) Pty Ltd (ACN 081 578 903).

Works are subject to both State and Federal Legal Requirements.

1.2 Works Manual

This Manual outlines the minimum requirements for carrying out Works at the Airport and replaces Version IV of the Launceston Airport Construction Manual. This manual does not contain all the information required to perform Works at the Airport and it will be necessary for anyone wishing to undertake Works to be familiar with and make use of, all available information relevant to the nature of work being performed.

2. Definitions and Interpretation

In this Manual, the following definitions are used:

ABC means the Airport Building Controller as defined in the *Airports (Building Control) Regulations 1996* (Cth) who is responsible for ensuring that activities at leased airports meet the appropriate building and engineering standards.

ADA means Airside Drivers Authority which is required to allow a driver access to certain Airside areas.

Aerodrome means a defined area on land or water (including any buildings, installations and equipment) intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft.

AEO means the Airport Environment Officer as defined under, and appointed to assist with the administration of, the *Airports (Environment Protection) Regulations 1997* (Cth).

Aircraft Operations means the part of the Airport's function that is directly connected with aircraft and passenger or freight handling and movement.

Airport or the Airport means the Launceston Airport, located at 201 Evandale Main Road in Western Junction, Tasmania, or Australia Pacific Airports (Launceston) Pty Ltd, where the context permits.

Airside means the movement area of an aerodrome, adjacent terrain and buildings or portions thereof, access of which is controlled.

Apron means a defined area on a land aerodrome intended to accommodate aircraft for the purposes of loading or unloading passengers, mail or cargo, fuelling, parking or maintenance.

Arrivals means the area receiving incoming passengers from aircraft and includes the passenger baggage reclaim area and baggage carousels.

Asbestos Register means the Airport's register of all known locations and types of asbestos at the Airport.

ASIC means Aviation Security Identification Card.

Authority means a governmental, semi-governmental, local, Airport or other official that exercises jurisdiction over the Airport, including Works conducted at the Airport.

Baggage Make-Up Area means that part of the Airport where baggage is moved from conveyors to carts and passenger baggage containers for transport to aircraft.

Building Approval means the permission that must be obtained from the ABC prior to commencing building Works at the Airport.

CBS means Checked Baggage Screening, the process used for examining passenger baggage for prohibited items under Transport Security Legislation.

Certificate for Occupancy means the certificate of compliance issued by the ABC upon completion of a building, pursuant to Part 3 of the *Airports (Building Control) Regulations 1996* (Cth).

Certificate for Use means the certificate of compliance issued by the ABC upon completion of Works, pursuant to Part 3 of the *Airports (Building Control) Regulations 1996* (Cth).

Certificate of Competency means a document which certifies that the holder is duly qualified to operate a particular item of plant or equipment.

Certificate of Compliance means the certificate issued by the ABC upon completion of the Works and may be either a Certificate for Use or a Certificate for Occupancy.

Concealed Service means any asset or service, including pipes, conduits or cables, whether in or out of service, that is concealed (e.g., underground or behind walls, floors or ceilings) that could be in or near an area of excavation or penetration. A Concealed Services Authority is required to perform Works that may affect a Concealed Service.

Concealed Services Authority means an Authority issued by the Airport which authorizes its holder to perform Works which may affect a Concealed Service. It does not detail the safe method of performing the Works.

Confined Space has the meaning given to it by the *Work Health and Safety Regulations 2012* (Tas), i.e., an enclosed or partially enclosed space that:

- is not designed or intended primarily to be occupied by a person; and
- is, or is designed or intended to be, at normal atmospheric pressure while any person is in the space; and
- is or is likely to be a risk to health and safety from –
 - an atmosphere that does not have a safe oxygen level; or
 - contaminants, including airborne gases, vapours and dusts, that may cause injury from fire or explosion; or
 - harmful concentrations of any airborne contaminants; or
 - engulfment –

but does not include a mine shaft or the workings of a mine

A Confined Space Entry Authority is required to enter a Confined Space.

Confined Space Entry Authority means an Authority issued under regulation 67 of the *Work Health and Safety Regulations 2012* (Tas) which authorizes its holder to enter a Confined Space.

Confined Space Register means the Airport's register of all known Confined Spaces at the Airport.

Contaminated Areas Register means the Airport's register of all known Contaminated Areas at the Airport and control measures.

Contractor means a person or entity undertaking Works and includes its employees, sub-contractors and agents.

Contractor Management Procedure means the Airport's document entitled *APAL-CMP-001 Contractor Management Procedure*, a copy of which can be obtained from the Works Manager.

Crane/Boom Authority refers to an Authority issued by the Airport which is required to operate certain plant or equipment that has the potential to impact the OLS.

DAMP means the Airport's Drug and Alcohol Management Plan used to manage the risks associated with drugs and alcohol in the workplace.

Departures means the area associated with the transfer of outgoing passengers to the aircraft and includes the check-in and baggage hand-over areas.

Electrical Works includes any new electrical installation, any modification or extension of an existing installation and removal of equipment. All electrical work must be performed by a licenced Electrical Contractor.

Electrical Works Authority refers to an Authority issued by the Airport which is required to undertake Electrical Work.

Emergency Plan means the Airport's Emergency Plan, a copy of which can be obtained from the Works Manager.

Environment Policy means the Airport's Environment Policy, a copy of which can be obtained from the Works Manager.

Environmental Management System means the Airport's structured system of responsibilities, policies, practices, procedures, processes and resources for protecting the environment and managing environmental issues.

Forecourt means the area between the Terminal and the short term car park used for drop-off and pick-up of passengers.

FOD means "foreign object debris" and is an object that if run over, ingested or hit by an aircraft may cause damage to the aircraft, nearby people or equipment and includes rubbish, debris, stones and other items.

Hoarding means temporary fencing or barricades used to contain Sites and to separate the Works from operational activities at the Airport.

Hot Work means welding, grinding, thermal or oxygen cutting, heating, and other heat-producing or spark-producing activities that may increase the risk of fire or explosion. An Authority is required for Hot Works.

Identification Card means an ASIC or a VIC.

Isolation means the process designed to protect people from unexpected energisation, start-up or release of energy while working on plant or equipment.

Landside means those parts of the Airport that are not designated Airside.

Legal Requirement(s) means any statute, ordinance, code or regulation.

Low Visibility Procedures means procedures applied at an aerodrome for protecting aircraft operations during conditions of reduced visibility or low cloud.

Major Works means significant Works, including the construction of new facilities, redevelopment of existing spaces, or refurbishments.

Minor Works means Works relating to maintenance, minor construction, remodelling and renovation of existing spaces.

Movement Area means that part of the aerodrome to be used for the take-off, landing and taxiing of aircraft, consisting of the manoeuvring area and the apron(s).

MOS means Manual of Operating Standards for Aerodromes, and refers to the Civil Aviation Safety Authority's *Manual of Standards (MOS) Part 139 Aerodromes*, made pursuant to *Civil Aviation Safety Regulations (CASR) Part 139* (Cth).

OLS means Obstacle Limitation Surface, a series of planes associated with each runway at an aerodrome that defines the desirable limits to which objects may project into the airspace around the aerodrome so that aircraft operations at the aerodrome may be conducted safely.

Operations Officer(s) means Airport personnel that perform the operational compliance, operational serviceability and safety security function Airside and Landside, involved with aircraft and airfield

movement but not directly with aircraft handling. They are on duty at the Airport 24 hours a day, 7 days a week. The Airport Operations Officer can be contacted by phoning **6391 6208** or **0407 305 595**.

Permit/Authority means an official document or certificate issued by an Authority, which authorises performance of a specified activity.

Permit to Work means the official document issued by the Airport, which authorises its holder to perform Works at the Airport.

PPE means Personal Protective Equipment and refers to specialized clothing or equipment worn for protection against health and safety hazards.

Project Management Plan means the Contractor's detailed plan to project manage the Works.

Risk Assessment means the process of identifying the likelihood and consequences of a hazard, identifying existing controls and, where necessary, adding controls to ensure the risk is as low as is reasonably practicable. In accordance with regulation 66 of the *Work Health and Safety Regulations 2012* (Tas), a Risk Assessment must be recorded in writing.

Runway means a defined rectangular area on a land aerodrome prepared for the landing and take-off of aircraft.

Safe Works Permit Procedure means the Airport's document entitled *APAL-SWP-001 Safe Work Permits Procedure*, a copy of which can be obtained from the Works Manager.

Safety Management System means the Airport's structured system of responsibilities, policies, practices, procedures, processes and resources for managing work, health and safety issues, a copy of which can be obtained from the Works Manager.

SDS means Safety Data Sheet, a document referring to a hazardous substance and containing its product name, the chemical and generic name of certain ingredients, the chemical and physical properties of the hazardous substance, health hazard information, precautions for safe use and handling, and the manufacturer's or importer's name, Australian address and telephone number.

Security Screening means the process used to check persons, baggage and other items prior to entry into a Sterile Area.

Site means the dedicated area where the Works take place.

Special Permit means the official document issued by the Airport, which authorises its holder to perform specific hazardous activities at the Airport, including working with Concealed Services, Confined Spaces, Crane/Booms and Hot Work.

SRA means Security Restricted Area, an area designated within Airside where only authorised personnel wearing ASICs are permitted. SRAs are signposted.

SSAA means Safety Sensitive Aviation Activity, as defined by the *Civil Aviation Safety Regulations 1998* (Cth).

Sterile means that a person or area has been cleared of prohibited items.

Sterile Area is a location isolated from the general public, and entry requires each person, baggage or other item to undergo Security Screening. Sterile Areas are signposted.

Taxiway means a defined path on a land aerodrome established for the taxiing of aircraft and intended to provide a link between one part of the aerodrome from another.

Terminal means the building at the Airport where passengers transfer between ground transportation and the facilities that allow them to board and disembark from aircraft, including purchasing tickets, transferring luggage, and going through security, and includes the Arrivals, Departures, baggage reclaim and CBS areas.

Terminal Evacuation Plan means the Airport's Terminal Evacuation Plan, a copy of which can be obtained from the Works Manager.

Traffic Management Plan means the Contractor's plan to direct and control traffic disruptions in the event Works impact upon traffic flow at the Airport.

Transport Security Legislation means, as the context permits:

- the *Aviation Transport Security Act 2004* (Cth); or
- the *Aviation Transport Security Regulations 2005* (Cth).

VIC means Visitor Identification Card. The wearer must be accompanied by an ASIC holder. Two types of VIC are available, up to 72 hours issue or photo VIC for consecutive days where the holder has applied for granting of an ASIC.

Walkways means the designated thoroughfares both Landside and Airside for the safe passage of pedestrians.

WH&S Legislation means, as the context permits:

- the *Work Health and Safety Act 2012* (Tas); or
- the *Work Health and Safety Regulations 2012* (Tas).

Work Health and Safety Policy means the Airport's Work Health and Safety Policy, a copy of which can be obtained from the Works Manager.

Works or **the Works** means activities including maintenance, construction, alteration, extension, restoration, repair, demolition and dismantling and includes Minor Works and Major Works.

Works Manager means the person appointed by the Airport to be in charge of the progress, performance and inspection of the Works and who, in most circumstances, is to be the Contractor's first point of contact for matters related to the Works. The Works Manager's prior consent or approval is required for certain activities, Permits or authorisations.

Work Method Statement means a document that identifies:

- how work is to be carried out;
- the work activities assessed as having safety risks;
- the safety risks;
- the control measures that will be applied to the work activities;
- the equipment to be used in the work;
- the standards or codes to be complied with;
- the qualifications of the personnel doing the work; and
- the training required to do the work.

Works Safety Officer means the person appointed by the Airport to ensure that Aerodrome Works remain compliant as defined under the MOS.

3. General Conditions

3.1 Emergency Procedures and Reporting Requirements

Potential safety, environmental or operational risks or faults shall be immediately reported to the Airport Operations Officer on **6391 6208** or **0407 305 595**. The Works Manager shall be notified as soon as possible thereafter.

It is the Contractor's responsibility to understand and follow the Airport's Emergency Plan.

In the event of an emergency, the occupancy warning alarm will sound. This is a series of "beeps" and "whoops" followed by an audible evacuation message. The Contractor, and others under its control, must:

- follow any direction given in the evacuation message and/or from the fire warden;
- move to the designated emergency assembly point as provided in the Emergency Plan; and
- wait for further direction from the fire warden.

3.1.1 Terminal Evacuation Plan

When Works are undertaken within the Terminal, the Contractor must obtain from the Works Manager and prominently display in each Site office, a copy of the Terminal Evacuation Plan.

3.1.2 Fire Safety

Smoke and fire detection (but not suppression) systems are installed in all Airport buildings. A dedicated aviation rescue and firefighting service is located at the Airport and is able to attend to Airport buildings and other areas within minutes of receiving an alarm. Fire wardens carry out regular inspections of their zones.

The Contractor may not commence any activity which may result in the impairment or isolation of any fire protection system without prior approval from the Works Manager.

Emergency exits and escape routes must be kept clear at all times.

Spillage of flammable substances must be cleaned up immediately, disposed of appropriately, and reported to the duty Operations Officer.

The Contractor is responsible for providing the fire extinguishing equipment identified in the written Risk Assessment.

3.2 Airport Security

Launceston Airport is a security controlled airport with clearly defined airside and landside security zones. Valid aviation security identity cards are required to be displayed at all times in aviation security areas. Access into sterile areas requires prior security screening of people and things, including contractor's tools of trade.

The Works Manager can provide clarification of the security requirements and limitations on Work.

3.3 Worksite Security

It is the Contractor's responsibility to:

- secure the Site;
- prevent theft, vandalism or unauthorised access;

- apart from permitted access and egress, ensure that all persons, vehicles and equipment under its control remain within the Site, unless prior approval from the Works Manager is obtained (access to the Airport may be denied to any person who fails to comply with this requirement);
- provide Site barricades, guards, fencing, temporary roads, footpaths, warning signs and lighting, as directed by the Works Manager;
- ensure that it, and others under its control, have either attended a safety induction program approved by the Airport or are under the direct supervision of someone who has;
- provide Site specific safety inductions for any person requiring access to the Site;
- Ensure that any fences, barricades or signage cannot become dislodged or blown over in strong winds.

3.4 Contractor Management Procedure

In addition to the requirements of this Works Manual, Contractors are required to follow the Contractor Management Procedure.

3.5 Hours of Work

Works are generally to be performed during the hours of 0600 and 1800, Monday to Friday. The Works Manager may authorise Works outside these hours.

3.6 Signage

The Contractor shall not display, or cause to be displayed, any non-regulatory/safety signage visible to the public without the prior written approval of the Works Manager. Any proposed signage must comply with the Airport's requirements regarding design, layout and construction. Any signage displayed without the Works Manager's prior approval will be removed.

All signage must be securely fastened to withstand strong winds.

3.7 Communication Equipment

The Contractor, or others under its control, shall not use a two-way radio, wireless network system or any other such communications system at the Airport, without the prior written consent of the Works Manager. Access to the Airport may be denied to any person who fails to comply with this requirement.

3.8 Inductions

Anyone who will undertake Works at the Airport must complete an Airport induction and a Site specific induction.

3.8.1 Airport Induction

Pursuant to the Contractor Management Procedure, a short form or a full induction must be undertaken by all personnel prior to commencement of the Works. The short form induction is only valid for a single visit whilst the full induction is valid for 12 months.

3.8.2 Site Specific Induction

All personnel who will be entering the Site must receive a Site specific induction to ensure awareness of hazards and appropriate control measures.

3.9 Signing In – Signing Out

Each Contractor must register its presence on Site at one of the following locations:

- the Airport administration office located on the first floor of the terminal building;
- the Airport Asset & Infrastructure offices located at the maintenance compound;
- the Airport Operations building (after hours).

Alternative arrangements may be authorised by the Airport depending upon the location and type of the Works.

Each Contractor must sign in prior to commencing work each day it is on Site and must sign out at the end of each day.

3.10 Media

The Contractor, and others under its control, must not make any comment to the media regarding matters related to the Airport, including inquiries related to the Works.

The Airport recommends the following statement be made to media to avoid being drawn into further conversation: **“I am not the person to speak to on this matter. You may speak to The Launceston Airport Management on (03) 6391 6222”**.

3.11 Use of Vehicles and Parking Arrangements

3.11.1 Site Access

It is the Contractor's responsibility to ensure that it, and any person under its control, uses only designated routes to access the Site.

Designated routes may include Landside roads, gates and Airside roads as indicated by the Works Manager.

3.11.2 Site Deliveries and Staff Parking

Site deliveries must not interfere with normal Airport operations. Airside deliveries must be arranged with the Works Manager at least 24 hours in advance.

The Forecourt must not be used for parking or unloading.

It is the Contractor's responsibility to ensure that it, and others under its control, observes the Airport's parking and loading zone rules and regulations.

Payment of penalties and settlement of parking infringement notices are the responsibility of the individual incurring such penalty or infringement. Persons in breach of parking rules or regulations may be denied access to the parking facilities.

3.11.3 Roads and Road Closures

The Contractor, and others under its control, must not obstruct any road without the prior consent of the Works Manager.

A Traffic Management Plan must be prepared for any Works that impact upon traffic flow.

Provided consent is given to close or obstruct a road for the purpose of performing the Works, it is the Contractor's responsibility to:

- provide signage that is illuminated from sunset to sunrise, including clearly-marked warning and/or detour signs and advance notice to motorists of the upcoming dates and times of traffic restrictions; and
- provide appropriate barricades to isolate motorists from the Works.

4. Airport Safety Requirements

The safety requirements outlined in this Works Manual are not exhaustive, and must be read in conjunction with the Work Health and Safety Policy and other Airport safety requirements as defined under the Safety Management System.

4.1 PPE Requirements

High visibility vests, safety boots and eye protection **MUST** be worn at all times when working at the Airport. The Safety vest colour is recommended to be yellow green with reflective shoulder and waist bands.

Additional PPE may be required depending upon the location and type of Works being performed.

When working Airside, hearing protection must be used and skin protection is advised.

4.2 Drug and Alcohol Management

Alcohol and drug misuse can contribute to performance impairment and unsafe operating practices. Persons working whilst affected by drug and/or alcohol create an increased risk of injury to themselves and others.

No person working at the Airport shall present themselves for work under the influence of alcohol or any other drug, except where the drug is legally prescribed by a registered medical practitioner for the purpose of treating a medical condition. Where a prescribed medication may affect a person's judgment or performance, he or she must inform the Contractor and may be required to take sick leave.

Any person working Airside or performing a SSAA activity is subject to the provisions of the Airport's DAMP.

The Contractor, and others under its control, is subject to random drug and alcohol testing by the Airport and/or the Civil Aviation Safety Authority.

The Contractor, and others under its control, is required to submit to a pre-deployment drug and alcohol test and return a negative result before being permitted to work on an Airside or SSAA activity. A copy of each pre-deployment drug and alcohol test result must be provided to the Airport

Before being permitted to commence Works at the Airport, each Contractor must attend a drug and alcohol awareness session provided by the Airport.

4.3 Smoking in Designated Areas Only

Smoking is prohibited in the Terminal, all other buildings and Airside.

Smoking is permitted only in the designated smoking areas on Landside.

4.4 Plant Operations

Prior to commencement of Works, the Contractor must provide the Airport with written Risk Assessments for all plant and equipment.

Where there is a risk of interaction with personnel or public, barriers must be erected to positively separate the plant i.e. Hoardings, bunting, barricades, signposting, active safety officer supervision, or another mutually agreed method of separation.

If a Certificate of Competency is required to operate any plant or equipment, any personnel intending to use such plant or equipment must produce to the Contractor, or to the Works Manager upon request, a relevant Certificate of Competency. Persons operating plant or equipment without the required Certificate of Competency will be removed from the Airport immediately.

4.4.1 Metal-Tracked Equipment

The Contractor must obtain written approval from the Works Manager for the use of metal-tracked equipment, such as excavators on paved surfaces.

4.5 Noise

It is the Contractor's responsibility to:

- comply with any statutory requirement in relation to noise from plant or equipment;
- provide the Works Manager at least 48 hours' notice if it intends to use noisy equipment;
- take all practicable measures to control noise associated with the Works;
- carry out noisy Works outside of the hours of 0800 to 1800 only if so directed by the Works Manager;
- ensure that entertainment systems are not used.

4.6 Electrical Safety

Any electrical tool or equipment must have a current compliance tag attached to it and be inspected prior to use. Damaged or faulty equipment must be tagged out of service.

All power supplies including generators must be fitted with earth leakage protection (e.g., a residual current device or similar).

Power Leads shall:

- never pose a trip hazard in walkways;
- never be in damp areas or exposed to damage in doorways;
- not exceed 32m in length or be piggy backed; and
- if suspended, be on insulated hooks.

4.7 Permit/Authority

The Safe Work Permits Procedure indicates whether a Permit to Work or Authority is required in order to perform the Works.

4.7.1 Isolation Process

The Safe Works Permit Procedure defines the isolation process used at the Airport.

4.7.2 Concealed Services

A Concealed Services Authority is required for any work including excavation, coring or drilling, where there is a risk of damaging concealed services.

4.7.3 Confined Spaces

The Confined Space Register should be consulted prior to commencing Works.

Access to a Confined Space requires a Confined Space Entry Authority. Alternatives to accessing a Confined Space should be investigated prior to commencing Works.

4.7.4 Crane/Boom Operation

The use of mast or boom equipment, such as concrete pumps and cranes has the potential to impact on the OLS and requires an Authority. If crane/boom equipment is to be used at the Airport, the Works Manager will first refer the operation to the Manager Operations & Compliance determine and document any necessary controls in the Crane/Boom Authority.

4.7.5 Electrical Work

Electrical Work requires an Electrical Works Authority and must be completed by licenced personnel.

4.7.6 Hot Work

Hot Work to be done at the Airport:

- requires a Hot Work Authority;
- may only be performed by authorised personnel; and
- requires that welding screens be used

Alternatives to Hot Work should be investigated prior to commencing Works.

4.8 Hazardous Materials

The Contractor must seek written approval from the Works Manager prior to bringing any hazardous substances, chemicals or prescribed goods to the Airport.

Approved hazardous substances, chemicals and prescribed goods must be stored, handled and used appropriately; all in accordance with WH&S Legislation.

For any prescribed goods, an SDS must be maintained on Site and be readily accessible at all times.

4.9 Asbestos

The Asbestos Register should be consulted prior to commencing Works. Where it cannot be established that the material to be worked on or removed contains asbestos, it shall be assumed that it does. Only licenced personnel shall work with asbestos.

Asbestos may only be removed by licensed personnel and must be disposed of appropriately. Prior to commencing Works, consideration should be given to avoiding the need to work with asbestos as far as is reasonably practicable.

4.10 Contaminated Areas

The Contaminated Areas Register should be consulted prior to commencing Works.

4.11 Compressed Air

Only authorised personnel may use compressed air.

Compressed air tools, connections and hoses must be inspected by the Contractor for damage or faults prior to pressurising.

Compressed air must never be used to clean clothing or person.

4.12 Working at Heights

As required under the WH&S Legislation, a suitable form of fall protection must be used when there is the potential to fall from one level to another.

Contractors working at heights must be suitably qualified and any equipment used must be certified.

5. Works Inspection and Handover

5.1 Inspections

The ABC may periodically inspect the Works for compliance. The Contractor must allow Site access to the ABC and designated Airport representatives engaged in the compliance inspection.

In addition, designated Airport representatives and the Works Manager may periodically inspect the Site at any time to ensure the Works are being performed in accordance with the specified conditions under the Project Management Plan, Permit to Work or any other Permit.

Where applicable, a complete set of current drawings, approved by the Works Manager for construction, must be available on Site at all times, and must be produced if requested during inspections.

5.2 Completion of Works

The Contractor must return the Site and any other areas impacted by the Works to the same or better condition as found prior to the Works. This includes removing any rubbish, materials and/or construction plant from the Airport, and making good any damage caused by the Works, including any pavement damage. The Works Manager must inspect and approve the Site pursuant to the specific contract for the Works (including obtaining sign-off from the ABC where applicable) before the Works will be deemed complete.

5.3 Certificate of Compliance

Upon completion of the Works, in accordance with the *Airports (Building Control) Regulations 1996* (Cth), the Works Manager (where appropriate) shall seek a Certificate of Compliance (either a Certificate for Occupancy or a Certificate for Use) from the ABC, evidencing that Permits have been complied with and the Works have been completed to the relevant standard.

6. Environmental Requirements

The environmental requirements outlined in this Works Manual are not exhaustive, and must be read in conjunction with the Environment Policy and other Airport environmental requirements as defined under the Environmental Management System.

6.1 Environmental Responsibilities

Contractors have the responsibility to comply with the Environment Policy, and all relevant legislation, including the *Airports Act 1996* (Cth) and the *Airports Environment Protection Regulations 1997* (Cth).

The Airport and the AEO are required to monitor and record environmental activities and incidents.

6.2 Managing Spills

Contractors must ensure that controls are in place to prevent spills from occurring but also have appropriate training and equipment at the Site to contain a spill.

Immediate action must be taken to prevent further material from spilling if it is safe to do so and prevent it from entering the storm-water system, or contaminating soil.

The Airport Operations Officer shall be notified of any spill as soon as practicable after it occurs by phoning **6391 6208** or **0407 305 595**.

6.3 Flora, Fauna and Indigenous Heritage

There are a number of areas located Airside one which contain threatened species or species of significance. (the Green & Gold frog, the Silky Bush Pea and native grassland)

The Works Manager will provide additional information should Works be undertaken near these areas.

There are no identified sites of indigenous significance at the Airport.

The Contractor must not remove any tree or shrub without the Works Manager's prior approval.

6.4 Environmental Management Plan (EMP)

For Major Works, the Contractor is required to prepare an EMP and submit it to the Works Manager for prior approval before any activities may commence on Site. The Works Manager will provide an EMP template to the Contractor on request.

7. Security Restricted Zones

7.1 General

Transport Security Legislation (*Aviation Transport Security Act 2004 & Aviation Transport Security Regulations 2005*) requires that security measures be established and enforced in the following areas:

- Airside
- Security Screening points
- Terminal Sterile Area
- Apron
- Security Restricted Areas (SRA)
- Checked Baggage Screening area (CBA)
- Baggage Make-Up Area

Security measures include:

- Physical barriers such as fences, Hoardings, or other solid barriers
- Exclusion zones
- Signage
- Security passes or Identification Cards as requirements for entry
- Operations Officers
- Security guards
- Works Safety Officers
- Camera surveillance

7.2 Security Identification Cards (ASICs and VICs)

The issuing of a security Identification Card does not automatically permit its holder entry into secure and Airside areas.

Valid security Identification Cards must be accounted for and conspicuously displayed above waist level at all times whilst in secure areas of the Airport.

Lost security Identification Cards must be immediately reported to the Airport Operations Officer by phoning **6391 6208** or **0407 305 595**.

If a person ceases to be employed by the Contractor or is no longer working on the Site, the Contractor must immediately return that person's security Identification Card to the Airport Operations Officer or the Airport Management office.

7.2.1 ASICS

ASIC applications may be obtained from the Airport at Level 2 of the Terminal. An application fee applies. If approved, the ASIC will generally be supplied within 8 to 12 weeks from the date of application and will expire 24 months after issue.

Each ASIC application must be supported by primary and secondary proof of identification and by a written declaration from the applicant's manager. Each person applying for an ASIC must undergo an extensive personal background check prior to approval and attend an induction program in safety and security prior to ASIC issue.

7.2.2 VICs

VICs may be issued to certain individuals who have an occasional operational requirement to enter a security area, for example short notice Work, delivering equipment and materials to, or through, Airside. VICs are not intended for continuous or ongoing Site access.

VICs are issued for 1 day or multiple days (under certain conditions) and are to be returned to the issuing Authority by the end of the day of expiry to avoid penalty payments. An individual may be issued with a VIC for maximum of 28 days in any consecutive 12-month period. An application fee applies.

VIC holders must be escorted and under the direct supervision of a valid ASIC holder at all times. Photographic ID must be carried by the VIC holder at all times. VIC holders must when Airside or in another security zone comply with all lawful directions given by an authorised person.

7.3 Working in Terminal Sterile Areas

Terminal Sterile Areas at the Airport extend from the screening points through to the departure gates at the Apron level. Sterile areas undergo regular checks to ensure they remain Sterile. All persons, including those wearing ASICs, must pass through the screening point to gain admittance to or to conduct Works in the secure gate lounges.

All tools and equipment to be used within Sterile Areas must be screened.

Prior arrangements may be made to permit certain Works during Aircraft Operations by isolating small portions of a Sterile Area. Whenever possible, Hoarding should be used to segregate the Works from operational areas of the Airport, especially in the vicinity of passengers or baggage.¹

While in Sterile Areas, the Contractor, and others under its control, shall not have any contact with persons unrelated to the Works or allow access to tools of trade and other prohibited items under the control of the Contractor by unauthorised persons.

Missing equipment, tools or personal items must be immediately reported to the Airport Operations Officer by phoning **6391 6208** or **0407 305 595**

In the event the Contractor, or others under its control, enters a Sterile Area without authority, the intruder must immediately leave the area, close and secure the entrance and notify the Airport Operations Officer by phoning **6391 6208** or **0407 305 595**.

7.4 Suspicious Activity

Suspicious activity shall be immediately reported to the duty Operations Officer by phoning **6391 6208** or **0407 305 595**.

7.5 Airside/Landside Boundaries

The Landside/Airside boundaries comprise fences, doors, signage and other controls which are clearly marked and at regular intervals. Parked vehicles, machinery, equipment and materials must not be placed within 3m of a barrier while Landside, or within 2m of a barrier while Airside without specific prior written approval. Vehicles or machinery travelling along a fence line are not subject to this clearance restriction.

No vehicles may be parked or left unattended alongside an Airside barrier at any time.

¹ See Appendix A

An Airside/Landside barrier must be maintained at all times. If Works interfere with existing security fencing, temporary fencing must be installed so as to maintain an appropriate Airside/Landside barrier, in accordance with the Works Manager's direction.

8. Working in and around the Terminal

When working in and around the terminal, Contractors are reminded that it is an operational facility and that you may be interacting with the general public. You must always consider the safety of the public and anyone using the terminal when undertaking work.

When establishing your worksite, ensure that you will not be adversely impacting upon the flow of people through the terminal. Do not block thoroughfares or create trip hazards.

Please be polite and courteous when interacting with the general public.

8.1 Floor loading restrictions

Loading restrictions apply to all floors within the terminal. Prior to performing any work within the terminal the Contractor must ensure that any plant, equipment or materials will not exceed the floor loading limit.

8.2 Mobile equipment

Any mobile equipment such as EWP's that are to be used within the Terminal on tiled surfaces must be fitted with tyres that will not leave marks.

9. Specific Airside Requirements

9.1 Airside Security and Safety

Unauthorised access to Airside is prohibited, and any unauthorised person who enters may be subject to criminal prosecution. Persons authorised to enter Airside areas must be aware of and obey all Civil Aviation Safety & Transport security regulations.

Working Airside presents a variety of unique hazards including aircraft operations, vehicle movement and adverse weather conditions. Prior to being allowed to work Airside, the Contractor must ensure that it, and all others under its control, understands and complies with all applicable Airport policies and procedures and legal requirements.

Depending upon the location of the Site, the Contractor may need to barricade or fence the full perimeter of the Site.

9.2 Works Safety Officer

The Works Safety Officer shall work closely with the Contractor and relevant Airport personnel to ensure that Airside Works do not interfere with Aircraft Operations.

The Contractor must ensure that any direction from the Works Safety Officer is complied with immediately.

Immediately prior to the end of each day's work, the Contractor and the Works Safety Officer must conduct a joint inspection of the Site. Any security or safety issue raised at the time of the inspection must be addressed and remedied before the Contractor may vacate the Site for the day.

9.3 Site Markings

The perimeter of any Site that affects the Movement Area must be marked with half-filled water barriers, in alternating red and white colours. Standard 500mm barriers are to be used, unless for the safety of Aircraft Operations the Works Safety Officer directs the use of 300mm barriers.

On top of each barrier, there must be a red obstruction light, visible from every direction; these lights must remain lit at all times.

9.4 Vehicle Access and Usage Airside

Vehicle access to an Airside Works Site will only be available through the access gate nominated by the Works Manager. Unless the driver holds an appropriate ADA, vehicles must be escorted by the Works Safety Officer or other qualified person.

Every vehicle and driver entering Airside is subject to random searches. In addition, any driver seeking entry into an Airside area may be required to take a drug and alcohol test and will only be permitted entry with a zero reading.

Aircraft and all Airport vehicles, including ground handling equipment, have priority over any other vehicle. Travelling across the Apron in the vicinity of a manoeuvring aircraft (signalled by its flashing red belly and roof lights) is not permitted.

No Works vehicles will be permitted Airside when operational restrictions are in place, for example Low Visibility Procedures in force during inclement weather.

Apart from permitted access and egress, all vehicles, plant and equipment must remain within the Site. Access to or from the Site must not be obstructed at any time, including by vehicles or equipment.

Only lightweight vehicles are permitted on Runway-end safety areas.

9.4.1 Vehicle Identification

Contractor's vehicles must:

- be clearly marked with identifying signs of at least 296mm x 210mm (A4 size) on both front doors; and
- display an amber rotating beacon on top of the cabin, which must be operating at all times whilst the vehicle is Airside.

A Permit is required for any vehicle which will be used Airside; the Permit must be displayed in the front right-hand-side of the windscreen while Airside.

9.4.2 Speed Limits

Speed limits are in accordance with the Airport Airside vehicle control handbook and must be obeyed and are strictly enforced. The speed limit is 10km/h within 15m of an aircraft, 15km/h on the Aprons and link roads and 40km/h on the perimeter road. Different speed limits apply to Runways and Taxiways depending upon the circumstances.

9.4.3 Airside Drivers Authority (ADA)

To enable un-escorted vehicle access to Airside, a Level 2 or Level 3 ADA may be obtained by the Contractor if required. A Level 2 ADA restricts access to Aprons and the perimeter road. A Level 3 ADA allows access to the Runway and Taxiways. To be eligible for an ADA, the driver must hold an ASIC and a current State or Territory drivers' licence.

An application for a Level 2 ADA must be made to the Airport at least 7 days in advance. An assessment will be performed. A Level 3 ADA requires the completion of additional training.

9.5 Excavation in Airside Areas

There are requirements specific to Airside excavations in addition to the need for a Concealed Services Permit.

Trenches adjoining operational Runway shoulders must be covered with 20mm steel plates that are supported by sand bags and stabilised to minimize disturbance in the event that aircraft may rotate on take-off in the vicinity of the Site.

Normal excavations must be back filled or covered with steel plates at all times when the Site is vacant or the excavation pit is not immediately required.

For short periods of time, small excavations may be enclosed with fully intact sandbags positioned to fill all gaps and remain flat.

9.6 Airside Pit Covers

Prior approval from the responsible Airport manager is required to open any Airside pit cover.

Protective barriers must be placed around any open pit cover, and must be illuminated with red lights if the pit is to remain open at night.

Pit covers on a Runway or Taxiway must be able to support the weight of an aircraft.

9.7 Foreign Object Debris (FOD)

FOD anywhere on the Airport could impact an aircraft and pose a threat to safe Aircraft Operations. Even small items, such as food wrappers or small rocks have the capability to disable or cause catastrophic failure of an aircraft.

The importance of managing and controlling all materials to limit the opportunity of FOD Airside is paramount when planning and undertaking any Airside activity.

All Works-related FOD and Site waste, including construction materials, wrapping and containers, must be confined to the Site and removed from Airside, by the end of each day's work.

Airside pavement must be kept clean and remain free from FOD at all times.

All vehicles used by the Contractor, or others under its control, must maintain clean tyres at all times to prevent introduction of FOD. The Contractor must ensure that where required vehicles are washed before entering or leaving the Site.

9.8 Low Visibility Procedures

9.8.1 Trigger

Air Traffic Control (ATC) will notify APAL when LVP are to commence. These procedures must be in place when the:

- visibility reduces to 800 m or less or
- cloud ceiling is 200 FT or less or
- visibility on any part of the aerodrome is insufficient for ATC to exercise control over all traffic on the basis of visual surveillance.

9.8.2 Vehicle and pedestrian access

From the time that the LVP commences, all non-essential vehicles and personnel will be required to remain clear of that area until ATC have cancelled the LVP.

Vehicle and pedestrian movements on the apron areas shall be minimised.

Vehicles shall not be permitted on the airside perimeter road without the permission of ATC.

9.9 Lighting

Lighting may pose a hazard to Aircraft and its use is strictly regulated.

The Contractor must ensure that all Site lighting is chosen, erected and operated to comply with the MOS (details of which will be supplied by the Works Manager upon the Contractor's request). The Contractor must immediately extinguish any light if requested to do so by an authorised Airport representative.

10. Site Facilities

10.1 Site Office

The Contractor shall provide a designated Site office for the Works and its location will be determined in consultation with the Works Manager.

Any services that are required to be connected to the Site office must be identified prior to placement and approved by the Works Manager.

Upon completion of the Works, the Site office and any temporary services shall be removed and the affected area made good.

10.2 Toilets

The Contractor must provide, install and keep in good condition, all amenities and sanitary facilities for the use of persons on Site.

Upon completion of the Works, the toilet facilities and any temporary services shall be removed and any affected area made good.

10.3 First Aid

It is the Contractor's responsibility to provide first aid facilities and a first aid officer at the Site.

The Airport has two defibrillators on site – one located in the main concourse near passenger screening and in the gate lounge areas near the toilets.

Appendix A Security, Hoarding and Safety Barrier Information

While Works are in progress, barriers, including fencing, Hoarding and tensile barriers are required to separate construction Works from other areas of the Airport. The Contractor must ensure that any direction issued by the Works Manager with regard to Works-related barriers is strictly complied with.

The Contractor is responsible for supplying, installing and maintaining all Works-related barriers.

Barriers used are divided into three categories based on risk:

1. High security fencing (Level 1)
2. Construction Hoarding (Level 2)
3. Public separation barriers (Level 3)

Security Fencing – Level 1:

- Is required to separate construction Works from Airside, Sterile Areas and other secure sections of the Airport;
- Must be installed to separate construction Works from Landside areas where the public has access;
- Except in Airside areas, must be installed and maintained by the Contractor (for safety reasons, the Airport will install and manage fencing in Airside areas); and
- Must comply with the Transport Security Legislation and AS 1725 – 2003, *Chain link Fabric Security Fencing and gates, Section 1.7.1 (b) and Appendix I.*

Construction Hoarding – Level 2:

- Is required to separate Works within the Terminal from areas that are still being used for ongoing Airport activities;
- If made of solid materials (e.g., timber or steel frame with 12mm plywood or MDF facing), cannot exceed the maximum height of 2.70 metres from the floor;
- In areas where the ceiling exceeds 2.70 metres, may be partially comprised of “soft” Hoarding (e.g., shade cloth) to extend the Hoarding to the ceiling, to limit the movement of dust or construction debris into operating sections of the Airport; and
- Must comply with AS 4687-2007, *Temporary Fences and Hoardings.*

Public Separation Barriers – Level 3

- Is used to alert the general public that specific areas are temporarily inaccessible;
- When used to isolate Works from public pedestrians, Paraweb or similar web netting should be installed in accordance with the manufacturer’s standard requirements; and
- When used to isolate Works from public vehicles, water-filled poly vehicle barriers or similar vehicle barriers should be installed.