

M-SPE-STD-002

Fixed Platforms, Walkways, Stairways and Ladders

Document number: SPE-00366

This document is the property of Seqwater. It must not be copied or reproduced in any way whatsoever without the authority of Seqwater. This document is uncontrolled when printed. An electronic database manages and stores the controlled version.

Ver No.	Description	Document Owner		Document Approver		
		Position	Approval	Position	Approval	Approval Date
4	Amended	Principal Engineering Standards and Assurance - P6255	Refer to supporting Info in Rex	Manager Technical Support & Improvement - P7630	Refer to supporting Info in Rex	24/07/2023
This Engineering Standard was endorsed by an RPEQ on behalf of Seqwater.						

Contents

1.	Purpose	3
2.	Scope	3
3.	Technical Requirements	4
3.1.	General.....	4
3.2.	Design Life	4
3.3.	Quality and documentation.....	4
3.4.	Access and egress arrangements to work areas.....	5
3.5.	Confined Space Accessibility.....	5
3.6.	Design Loads for Floors	6
3.7.	Material Selection	6
3.8.	Clear Width.....	7
3.9.	Slip Resistance	7
3.10.	Edge Protection	7
3.10.1.	Guardrails and Intermediate Rails	7
3.10.2.	Self-Closing Gates.....	8
3.11.	Fall Arrest and Restriction Systems	8
3.12.	Network Reservoir Roof Access	9
4.	Definitions and Abbreviations	10
5.	Roles and Responsibilities	11
6.	Reference and Related Materials	11
7.	Changes from previous version	13

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	2 of 13

1. Purpose

This document is part of a suite of Seqwater Engineering Standards which are in alignment with the Seqwater Quality Management System. Their purpose is to provide a consistent approach to the development, modification, and management of Seqwater infrastructure that is fit for purpose and safe so far as is reasonably practicable. Advice must be sought from Seqwater to clarify any ambiguities in relation to this document.

This standard specification provides the minimum requirements and recommendations for fixed platforms, walkways, stairways and ladders. This document must be used in conjunction with the documents it references to assist in ensuring a fit for purpose asset. This Standard is not intended to be relied on solely for design, supply, and installation works; advice from specialist engineers and/or manufacturers may be required on a case-by-case basis.

This specification closely follows that of AS1657 and as such applicable scope inclusions and exclusions apply to this standard. In addition, this standard is not intended to cover walking tracks as described in AS2156.

2. Scope

This Standard Specification applies to all Seqwater workers, as well as suppliers, contractors and consultants working for or on behalf of Seqwater unless otherwise stated. It applies to all new assets and to all existing assets undergoing refurbishment or modification. It must be used in conjunction with other relevant Seqwater Engineering Standards and project specific documents to define the technical requirements for infrastructure design and construction.

Seqwater Engineering Standards detail Seqwater's minimum requirements and recommendations to provide infrastructure that will be fit for purpose, and safe to operate and maintain. However, at all times the designer remains responsible for ensuring infrastructure designed is fit for purpose and safe to construct, operate, maintain, and demolish. In doing so the designer must exercise appropriate due diligence to identify and manage hazards so far as is reasonably practicable.

Designers must also ensure compliance with relevant Australian Legislation, Standards, Codes and Guidelines (including those produced by WSAA). Where no Australian Standard exists for a particular application, work must conform to the most current version of an industry accepted international standard.

Deviation from meeting the minimum requirements in this standard requires written agreement from Seqwater as per the deviation process detailed in Procedure X-PRO-STD-008 Asset Standards Management and Application. That process includes completion of an X-TMP-STD-022 Asset Standards Deviation Request Form and submission by the Seqwater Project Representative to the Seqwater Engineering Mailbox.

Where noted in this Standard Specification that Seqwater approval or acceptance shall/must be sought, approval or acceptance must be gained through the Seqwater Asset Standard Deviation process, as outlined above.

Responsibility for ensuring compliance with Seqwater Engineering Standards lies with those engaged in the management and execution of design, construction, and modification of Seqwater assets. This includes modifications to the functional design of the asset including technical changes made which would extend an asset outside of its design operating envelope and/or approved operation and maintenance practices.

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	3 of 13

In the case that it is identified that a specific requirement within this Engineering Standard does not meet the requirements of project specific documents, another Seqwater Engineering Standard or Australian Legislation, Standards, Codes or Guidelines, the conflict must be brought to the attention of the Seqwater Principal Engineering Standards and Assurance (or their delegate) via the Engineering Mailbox, and written agreement must be gained prior to application of the requirement.

Advice must be sought from Seqwater to clarify any ambiguities regarding this Engineering Standard.

3. Technical Requirements

3.1. General

The design, selection, construction and installation of fixed platforms, walkways, stairways and ladders must comply with, as a minimum:

- AS 1657 Fixed platforms, walkways, stairways and ladders – Design, construction and installation
- Australian Building Codes Board - National Construction Code
- Managing the risk of falls at workplaces Code of Practice 2018 (Qld)
- Seqwater Standard [SPE-00367](#) – General Mechanical M-SPE-STD-001
- Seqwater Procedure [PRO-00015](#) – Workplace Health and Safety, Prevention of Falls.

Depending on the circumstances of the design, selection, construction or installation it is the responsibility of the designer to identify and meet all legal requirements and Australian Standards as required to ensure fit for purpose outcomes.

3.2. Design Life

The design life of assets must adhere to the requirements specified in the Design Life section of M-SPE-STD-001. The design working life is the duration which the asset will perform its' intended purpose with expected maintenance, but without major repair being necessary.

Protective coating systems shall meet the requirements of M-SPE-STD-004 Protective Coatings.

Modifications made to existing structures must see the appropriate treatment to prevent corrosion and retain the design life of the structure. Requirements are specified within M-SPE-STD-001, Design & Equipment Selection section and M-SPE-STD-004, Asset / Issue Specific Requirements section.

3.3. Quality and documentation

General arrangement drawings, fabricated drawings and an Inspection and Test Plan (ITP) shall be submitted to Seqwater for acceptance prior to fabrication and installation. The ITP shall include the following items as a minimum, with agreed witness and hold points where applicable:

- Acceptance of general arrangement and fabrication drawings
- Job set-out
- Installation and inspection of foundations and fixings
- Supply and fabrication of materials
- Surface preparation, application and inspection of protective coatings
- Installation and inspection

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	4 of 13

- Design certification of on-site modifications
- Certification of compliance with project requirements, this Standard Specification and relevant Australian or International Standards
- Acceptance by Seqwater

The designer/installer shall provide all documentation and labelling as outlined in AS 1657.

3.4. Access and egress arrangements to work areas

The means of access shall be selected based on the hierarchical order provided in AS1657 section 2.2 selecting a means of fixed access.

Newly constructed pits and confined spaces must adhere to the means of access hierarchical order. Modification of existing pits and confined spaces should meet the intent of the hierarchical order as much as is practicable and reasonable.

Stairs, walkways and rung type ladders should be designed to be within their respective preferred angle range as shown in figure 2.1 in AS1657.

Consultation shall be made with the operators and maintainers intended to use the proposed means of access and egress.

The selection of a means of access and egress shall be reviewed and documented in accordance with [PRO-00657](#) Hazard Identification and Risk Management Procedure or through a formalised Safety in Design review process outlined in section 5.6 of *X-PRO-STD-009*.

Where an access hatch is installed within a platformed area, the installation gap between the edge of the platform and the edge of the hatch shall be flush whilst retaining fit for purpose function.

The selection of a ladder will only be accepted where a higher form of access (e.g. stairway) is not practicable.

Where a ladder installation introduces the user to a risk of falling a distance as defined by [PRO-00015](#), appropriate height access and safety equipment must be installed.

Where a ladder is installed the required clearance dimensions shall be as per AS 1657. Seqwater may provide approval to deviate based on brownfield limitations.

Single stile rung-type ladders are not permitted.

The designer shall consider adequacy of natural or artificial lighting as part of the access and egress arrangement.

Security, public safety and emergency access requirements must be considered when selecting a means of access and egress.

Further guidance on the selection of a means of access and egress is provided in AS 1657 Appendix G.

Any deviation to AS 1657 must be approved by Seqwater. A statement detailing the area of non-conformance shall be affixed to the installation that is clearly visible prior to use of the structure.

3.5. Confined Space Accessibility

It is the responsibility of the designer to identify and adhere to all relevant legislative and additional requirements identified within AS 2865 and this Standard Specification.

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	5 of 13

For all new installations design of the confined space and accessibility must be to the standard identified in M-SPE-STD-001, Hazard Management section.

Vertical access (either via an access hatch or ladder) to a confined space or internal access to a storage tank/reservoir shall include provision for a fall arrest system compliant with section 3.11 of this Standard Specification. The designer shall consider the impact of the atmosphere or contents on the fall arrest equipment prior to selection.

[PRO-00443](#) outlines the process for identifying, assessing and managing confined spaces at Seqwater sites. Risk assessments to either eliminate or engineer out the requirement to enter a confined space in accordance with [PRO-00443](#) should be clearly documented and recorded. If confined space entry cannot be avoided, all appropriate confined space requirements identified in [PRO-00443](#) must be met.

3.6. Design Loads for Floors

In addition to the requirements under AS 1657, Design Loads for Floors, the minimum superimposed live loading for floors surrounding plant and/or where plant may be relocated for maintenance shall be 5 kPa. This increased minimum need not apply for plant weighing less than 20 kg: in these instances, the normal minimum requirements of AS 1657 shall apply. For all situations the loading given, whether in this Standard Specification or AS 1657, shall be considered a minimum and an assessment must be carried out during design to determine whether greater strength is required for the application and to determine the required assessment for point loading.

Design loads to flooring (including walkways, platforms and landings) shall be sufficient to account for imposed loadings expected during maintenance activities.

The supporting structure's design and construction shall not use any floor loading allowance to account for any permanently affixed loads, including but not limited to those from plant, equipment, piping, cabling, lighting or the like.

The design floor loading shall be documented on drawings provided.

3.7. Material Selection

Requirements of M-SPE-STD-001, Materials section must be met.

Hot-dip galvanised steel, coated steel and aluminium shall not be selected for immersed applications. Corrosion resistant materials such as grade 316 stainless steel or FRP shall be selected for ladders to pits and for platforms, walkways, stairways and ladders in immersed applications. Fixings shall also be manufactured from corrosive resistant materials in such environments.

A material specification sheet must be provided and approved by Seqwater for any proposed FRP structures prior to purchase. FRP in contact with potable water must comply with the requirements of section 6.1.2 of M-SPE-STD-001, potable water compatibility.

FRP must have a proven reliability in applications similar to the proposed installation. FRP shall not be used in direct sunlight unless appropriate mitigation methods are used to obtain the required product life, such as covering equipment or using an appropriate coating. Documentation of protection system used, including any test documentation, is to be submitted as part of the project.

The designer must ensure the selected materials and coating systems will meet the minimum design life criteria set out in section **Error! Reference source not found.** of this Standard Specification.

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	6 of 13

3.8. Clear Width

The clear width of all general access routes and evacuation routes shall not be less than 1000 mm.

The clear width of access around plant and equipment shall be 800 mm minimum. Seqwater may approve deviation based on brownfield limitations; where this cannot be practically achieved, for an absolute minimum of 600 mm for short distances.

The above stated clear widths are minimum requirements. The designer shall consider user needs and equipment maintenance requirements at each location in determining an acceptable clear width. In particular clearance requirements of M-SPE-STD-001 and E-SPE-STD-001 are to be considered, including clearance requirements around electrical switchboards. Additional clear width may be required in specific circumstances as identified in rescue plans, evacuation procedures and SID/HAZOP workshops.

In addition to grating requirements in AS1657 section 3.2.3.4, the maximum gap between any grated floor sections and a permanent fixing (such as a hatch cover or switchboard) shall be 10 mm.

3.9. Slip Resistance

Walking surfaces, including steps, treads and rungs shall be slip resistant. Anti-slip stair nosing shall be installed on all stair and step-type ladder treads.

The designer shall assess the environment (e.g. exposure to wind and rain), likely use of the access system and the possible presence of material build-up, oils, liquids and organic matter when determining the required slip resistance.

3.10. Edge Protection

3.10.1. Guardrails and Intermediate Rails

Guardrails, intermediate rails, toeboards, infill and associated structures provide personnel protection from falls. RPEQ signoff is required for all works that modify, mount or weld attachments to these structures. The engineer is to consider the current loads, the introduced loads and the impact potential on the structure to retain adherence to the loading and deflection requirements specified within AS 1657. These modifications shall not reduce the perceived or provided safety of the edge protection system.

Clamp type connections between stanchions and rails are not preferred due to durability concerns. However, if clamp type connections are to be used the following must be considered:

- Are not to obstruct handrails where AS1657 specifies handrails are mandatory (e.g. on angled walkways, stairways & step type ladders)
- Mitigate the risk of clamp loosening, particularly in areas where vibration could be a factor (e.g. around any working section or equipment that would be a source of vibration).
- Ensuring the system being installed complies with AS1657 loading and deflection requirements (analysis must include equipment that it is being attached to).

Connections between lengths of handrails shall ensure a flush and continuous surface is made.

Consideration shall be made by the designer for additional edge protection to that required under AS 1657. In some applications, additional edge protection such as in-fill and/or an additional rail may be appropriate to

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	7 of 13

provide increased security for personnel and prevent loose debris. This is based on the risk of tools and dropped items detrimentally impacting workers or the water treatment process below the edge.

During the installation of toeboards, the designer shall consider the implication on existing systems. This includes cathodic protection, water sample monitoring and continued design life of the surrounding structure.

Upon installation or reinstatement of edge protection, all components that ensure the barrier is safe must be verified before leaving the work area. Where removal of an existing guardrail is occurring, the requirements of Seqwater Procedure [PRO-00015](#) – Work at Heights shall be adhered to.

Where a guardrail is not practicable, a suitable fall arrest or restraint system shall be provided compliant with section **Error! Reference source not found.** in this Standard Specification.

To prevent floor and walkway drainage from entering a filter or downstream water holding assets, provision shall be made for an impervious floor and walkway around and above these assets in conjunction with minimum 100 mm sealed toe boards. Drainage must be considered for the installation to prevent the pooling of water and slip hazards.

This is based on AS 1657 section 4.4.

3.10.2. Self-Closing Gates

Where practicable, a self-closing gate should be installed between the guardrails at the point of entry at the top of a ladder.

A clear landing of not less than 1000 mm x 1000 mm should be provided at the top of the ladder.

The self-closing gate shall open outwards from the landing, towards the platform or walkway (i.e. the gate swing will not obstruct the landing at the top of the ladder and will form part of the edge protection once personnel are within the platform or walkway).

Where a toeboard is required on a platform or walkway, the self-closing gate shall also have an integral toeboard.

3.11. Fall Arrest and Restriction Systems

All equipment used for fall arrest systems must be designed, manufactured, installed, commissioned and maintained in compliance with, but not limited to:

- AS 1891 Industrial fall-arrest systems and devices series of standards
- AS 5532 Manufacturing requirements for single point anchor device used for harness-based work at height
- Seqwater Procedure [PRO-00867](#) – Safe Work with Plant
- Seqwater Procedure [PRO-00015](#) – Work at Heights

Fall arrest or restraint systems must be selected in consultation with the operations or maintenance staff expected to utilise the equipment. Depending on frequency of use options include a ladder climbing system, fall arrest system or double lanyards.

All equipment shall undergo recertification as defined in Seqwater Procedure [PRO-00867](#) – Safe Work with Plant.

Fall arrest systems may be either fixed or portable.

Portable fall arrest systems should have a fixed base. Portable options are acceptable but manual handling and temporary installation concerns must be addressed.

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	8 of 13

A fixed fall arrest system shall be provided where it is not practicable to carry or transport a portable system to the required location.

Where practicable, cast-in or through-type attachment to existing structures instead of chemical or mechanical methods are preferred.

Seqwater only permits the use of single point anchor devices that have been rated in accordance with AS 5532. Any anchor device, including davits, shall be rated for fall arrest.

Anchorage must only be installed in locations that have been assessed as suitable. This assessment will consider the adjacent equipment such as valves, hatches, guardrails, accessibility for proof-load testing and future recertification. This includes eliminating the need for confined space entry to recertify.

Davit bases shall be designed to minimise the associated trip hazard, with a preference for flush mounted or wall mounted davit bases.

AS 1891.4 specifies the minimum requirements for Signage. All anchorage installations must meet or exceed the requirements identified. The information on this sign should be clearly visible when attaching onto the anchor point.

Every friction and glued-in anchorage shall be proof loaded to 50% of the design ultimate strength as defined by AS 1891.4 after installation, prior to initial use and as part of periodic inspections. All results must be documented for future recertification.

Prior to installation the existing reinforcement locations will be identified and marked. Under no circumstances will an existing reinforced concrete structure be penetrated prior to reinforcement locations being marked.

The as-built drawing for the supporting structure to an anchorage point shall provide sufficient detail to enable recertification of the supporting structure as part of the fall arrest system by others if required at a later date.

The supplier shall inspect and certify all fall arrest equipment and components on completion of the installation.

3.12. Network Reservoir Roof Access

External access to a network reservoir roof shall be by a stairway unless accepted otherwise by Seqwater. This requirement applies to new installations and to instances where an existing ladder is being replaced. This requirement is due to the on-going need for access to reservoir roofs for routine inspections and maintenance and to facilitate periodic roof refurbishment works.

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	9 of 13

4. Definitions and Abbreviations

Table 1 Definitions and Abbreviations

Term	Definitions
Employees	Means persons employed directly by Seqwater in a permanent, temporary or casual capacity.
Leader	Means any Level 1, 2, 3 and 4 Leader with responsibility for managing a functional area of the business, including people management responsibilities within their functional area.
Worker(s)	Includes all permanent, temporary, and casual employees of Seqwater, and: • vocational and work experience placements • volunteers contractors and consultants employed by another entity but temporarily assigned to do work for or on behalf of Seqwater.
Seqwater Approval / Acceptance	Written sign-off gained via the deviation process, as detailed in X-PRO-STD-008 Asset Standards Management and Application.
Contractor	The Contractor is the entity that, dependent on contracted scope, is responsible for the management and / or execution of the design, construction, commissioning and operation of the asset for the duration of a project (i.e. the “work”). Seqwater can undertake the role of the Contractor.
Manufacturer / Supplier / Vendor / Original Equipment Manufacturer (OEM)	The entity that manufacturers or supplies equipment to meet the specifications of the Contractor.
Owner / Principal / Seqwater	The entity that engages the Contractor to undertake the work and takes custody of the outcome. The Owner may delegate responsibilities to other entities to act on its behalf (e.g. a consultant).
Shall / must	Indicates a mandatory requirement
Should / may	Indicates a recommendation
Davit	A crane like device, fitted with a tackle for ingress and egress for workers, fall arrest or for moving equipment.
Fall arrest system	The form of fall protection which involves the safe stopping of a person already falling
Fall restraint system	A system that controls a person’s movement by physically preventing the person reaching a position where there is a risk of a fall.

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	10 of 13

Term	Definitions
Standard Specification	This Standard Specification M-SPE-STD-002 Fixed Platforms, Walkways, Stairways and Ladders
Confined space (definition as per AS2865 – 2009 section 1.5.5)	An enclosed or partially enclosed space that is not intended or designed primarily for human occupancy, within which there is a risk of one or more of the following: An oxygen concentration outside the safe oxygen level. A concentration of flammable airborne contaminant that may cause injury from fire or explosion. A concentration of airborne contaminant that may cause impairment, loss of consciousness or asphyxiation. Engulfment in a stored free-flowing solid or a rising level of liquid that may cause suffocation or drowning.
AS	Australian Standard
FRP	Fiber-reinforced plastic
ITP	Inspection and test plan
WSAA	Water Services Association of Australia

5. Roles and Responsibilities

Table 2 Roles and Responsibilities

Role	Responsibility
Leaders	In addition to the responsibilities of a worker, ensure compliance with this Standard Specification by those they lead.
Workers / Employees	Be aware of and comply with this Standard Specification

6. Reference and Related Materials

The documents listed in Table 3 below, and the requirements therein, are relevant to this Standard Specification. In their latest editions, these documents form a part of this document. Note that this is not an exhaustive list of documents relevant to the works.

Seqwater undertakes regular updates of its Engineering Standards. Before utilising this document, the complete list of Seqwater Engineering Standards should be reviewed to ensure currency and applicability for the proposed works.

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	11 of 13

Technical Support & Improvement - Standard Specification - M-SPE-STD-002 Fixed Platforms, Walkways, Stairways and Ladders

Table 3 References and Related Material

Description	Location
PRO-00015 HSW Working at Height Procedure	Rex & Waternet
PRO-00443 HSW Confined Space Management Procedure	Rex & Waternet
PRO-00657 HSW Hazard Identification and Risk Management Procedure	Rex & Waternet
PRO-00867 HSW Safe Work with Plant Procedure	Rex & Waternet
PRO-01617 X-PRO-STD-009 Engineering Design, Construction, Operation and Maintenance	Rex & Waternet
PRO-01872 X-PRO-STD-002 Engineering Drawing Number Procedure	Rex & Waternet
PRO-01873 X-PRO-STD-001 Asset Standards Documentation Classification and Naming Structure	Rex & Waternet
PRO-01874 X-PRO-STD-004 Development and Review of Asset Standards	Rex & Waternet
PRO-02140 X-PRO-STD-013 Engineering Technical Hazard Study	Rex & Waternet
PRO-02187 X-PRO-STD-007 Drawing and Spatial Data Standards	Rex & Waternet
PRO-02190 X-PRO-STD-006 Equipment Numbering and Naming Convention	Rex & Waternet
PRO-02205 X-PRO-STD-008 Asset Standards Management and Application	Rex & Waternet
PRO-02234 X-PRO-STD-015 Management of Change – Technical	Rex & Waternet
PRO-02253 X-PRO-STD-014 Drawings Management Procedure	Rex & Waternet
SPE-00348 M-SPE-STD-004 Protective Coatings	Rex & Waternet
SPE-00352 E-SPE-STD-001 Electrical Design and Construction	Rex & Waternet
SPE-00367 M-SPE-STD-001 General Mechanical	Rex & Waternet
TEM-00224 X-TMP-STD-022 Asset Standards Deviation Request	Rex & Waternet
National Construction Code	Australian Building Codes Board
AS 1657 Fixed platforms, walkways, stairways and ladders – Design, construction and installation Australian and International Standards Web Service	SAI Global
AS 1891 Industrial fall-arrest systems and devices series of standards Australian and International Standards Web Service	SAI Global
AS2156.1 Walking Tracks classification and signage Australian and International Standards Web Service	SAI Global
AS 2865 Confined Spaces Australian and International Standards Web Service	SAI Global
AS 4020 Testing of products for use in contact with drinking water Australian and International Standards Web Service	SAI Global

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	12 of 13

Description	Location
AS 5532 Manufacturing requirements for single point anchor device used for harness-based work at height Australian and International Standards Web Service	SAI Global
EN ISO 4892-3 Plastics - Methods of Exposure to Laboratory Light Sources - Part 3: Fluorescent UV Lamps Australian and International Standards Web Service	SAI Global
Managing the risk of falls at workplaces code of practice	WorkSafe QLD

7. Changes from previous version

This Standard Specification will be regularly reviewed in accordance with the requirements of the Seqwater Controlled Document Management Procedure. Reviews will include consideration of suggestions for alteration or improvement made in accordance with Seqwater Procedure X-PRO-STD-004 Development and Review of Asset Standards. Changes made from the previous version are summarised in Table 4 below.

Table 4 Changes from Previous Version

Section Number	Change
All	Reformatting to meet new Seqwater Style Guide requirements. Minor updates to wording to clarify requirements.
1	Exclude walking tracks from the scope of this standard.
6 (previously 5)	AS2156 added to references table.
3.10.1 (previously 6.10.1)	Amended wording to make clamp type guard rails non-preferred rather than prohibited.

Version No.	Document No.	Document Owner:	Approval Date:	Document Approver:	Page:
4	SPE-00366	Principal Engineering Standards and Assurance - P6255	24/07/2023	Manager Technical Support & Improvement - P7630	13 of 13