



## Procedure

# Entering Confined Spaces

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## Key Control Data Sheet

Procedure Number: RSK-PRO-KCD-085

Scope of Application: Ok Tedi Mining Limited

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Document Owner: Manager – OHS & Training

**Why is the Control Important** — Entering a confined space may present risks to an individual if not adequately managed. These risks include exposure to hazardous environments due to the natural conditions of the space or from the task being conducted. A sentry is present during the entry and for the duration of the task to monitor the activity, raise the alarm in case of emergency, assist or effect rescued and to make sure unqualified people or dangerous equipment does not enter the confined space.

**Exemption** — Welding in confined space is not covered by this KCDS.  
Refer to RSK-PRO-KCD-323 for details on welding in confined spaces.

## Entering Confined Spaces

### Operational Requirements

#### 1. Performance Metrics

A sentry must be present, outside the space, during entry and for the duration of the task and must not enter the space.	Other than self-contained breathing units, gas cylinders are <u>not</u> taken into the confined space.
The confined space atmosphere is continually monitored while personnel are in the space.	Electrical equipment must be low voltage (< 24 volts) or have earth leakage protection (eg RCD, GFI, ELCB) with the low voltage transformer / earth leakage protection located outside the space.
Equipment and trained personnel must be provided to perform rescue from the confined space, including first aid and CPR.	The sentry is able to raise an alarm and call for assistance in case of an emergency.
Internal combustion engines are not operating in the vicinity of a confined space.	

#### 2. Utilisation

Continuous during the confined space activity.

#### 3. Safety Critical Defeat Requirements

No defeats permitted.

#### 4. Testing & Verification

At least once per confined space activity:

- Verify the sentry is in place, in contact with personnel inside space and has the ability to raise the alarm in case of emergency
- Verify that there is no unapproved equipment in the space.

#### 5. Maintenance

Low voltage transformers and earth leakage protection units are maintained as per manufacturer recommendations and tested prior to use. Rescue equipment maintained as per manufacturer recommendation and in working order. Safety harnesses inspected and within service date.

#### 6. Training & Competency

Personnel entering a confined space - must be trained in the hazards of confined space entry, use of equipment including harness / lifeline and what equipment is not permitted in the space.

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Sentry – must maintain contact with personnel in space, recognise emergency situations or need to evacuate the space, have a means of raising the alarm and, know what equipment is not permitted to enter space.

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### Task Requirements

The following are the key day to day requirements operators/maintainers and supervisors must follow to ensure the control is being used correctly.

#### 1. Task Requirements

No.	Supervisor	Operator/Maintainer
1	Sentry is available and trained.	Assemble rescue equipment prior to entry.
2	Sentry has means of raising the alarm in an emergency.	Sentry is assigned to the confined space.
3	Rescue personnel and equipment are available.	Gas cylinders (other than SCBA) are not taken in to the space.
4	Rescue procedures are written and have been rehearsed (at least once in the proceeding 12 months).	Low voltage transformers or earth leakage protection units are used and remain outside space.
5	Ensure ERT personnel are aware of the entry, its location and have reviewed and approved the rescue plan prior to entry.	Combustible or atmosphere depleting (e.g. nitrogen) driven equipment not used in space.

#### 2. Skills Requirements

Personnel entering a confined space must be trained in the hazards of confined space entry, use of equipment including harness / lifeline and what equipment is not permitted in the space.

#### 3. Permits

Confined Space Entry Permit.

#### 4. Task Specific PPE Requirements

A harness with lifeline attached as required by confined space data sheet and listed on the Confined Space Entry Permit.

Additional PPE requirements for entry to the confined space are listed on the Confined Space Entry Permit.

#### 5. Special Task Related Tooling

No additional requirements.

## Entering Confined Spaces

### Design Requirements

#### 1. Design Standard

AS2865 – Entry to Confined Space, including removal of the need to entry a space and, ease of entry and exit where this cannot be eliminated.

OHSA -1910.146 – Permit Required Confined Spaces.

#### 2. Safety Parameters

The sentry must have a system of recording the entry and exit of each person from the confined space (badging in system, sign off sheet) and at all times be able to account for all personnel in the space – including ensuring that all personnel have exited at completion of the task or in an emergency.

The sentry must be able to raise an alarm (e.g. radio contact with a control room or supervisor, air horn or other audible alarm device).

#### 3. Design Life

Not applicable.

#### 4. Safe Separation

Not applicable.

#### 5. Special Requirements

No additional requirements.