



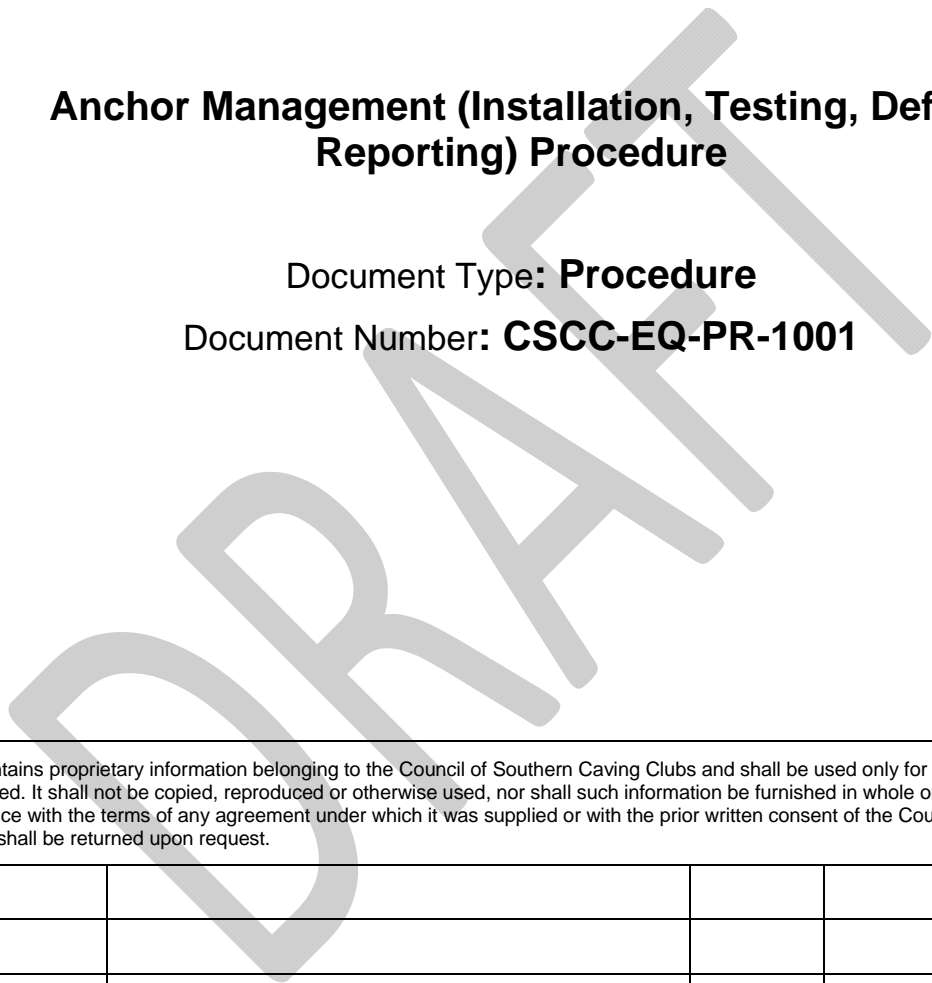
Council of Southern Caving Clubs

A constituent member of the British Caving Association

Anchor Management (Installation, Testing, Defect Reporting) Procedure


Document Type: **Procedure**

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1 Purpose

This document forms part of a suite of documents to manage the Mendip Bolting Scheme. There are three documents in the pack.

CSCC-EQ-GN-1001 Anchor Placement & Installation Guidance

CSCC-EQ-GN-1002 Anchor Inspection & Usage

CSCC-EQ-PR-1001 Anchor Management (Installation, Testing, Defect Reporting) Procedure

These documents are designed to work together. It is important that anyone using or installing anchors familiarises themselves with the contents of these documents.

2 Introduction

This document describes the measures to be taken to manage the placement, inspection and remedial testing of anchors using in caving.

3 Anchor Management

3.1 New Anchor Request

A request for a new anchor may be made by any caver by submitting a New Anchor Request form (Appendix 1). The person requesting the new anchor(s) should provide as much information as possible to allow the CSCC to reach an appropriate decision. The inclusion of supplementary sheets showing proposed rigging topo's, photographs of the area and any other relevant information is strongly encouraged and will speed the approval process.

3.2 New Anchor Placement

Following approval by the CSCC for placement of a new anchor(s), a person will be nominated by the CSCC Equipment Officer to install the anchors with reference to document CSCC-EQ-GN-1001 Anchor Placement and Installation Guidance.


The nominated installer shall be competent in the techniques requiring the anchor installation (for example, any person installing anchors for SRT shall be competent in SRT rigging). It is recommended that the nominated installer should also have attended a CSCC anchor placing demonstration (resin and mechanical) and have the first anchor of each type they install supervised by an experienced installer nominated by the CSCC Equipment Officer.

It is good practice for the position of the anchors to be agreed by a minimum of two people experienced in the techniques for which the anchors are to be used. This gives a consensus allowing factors such as proposed usage, rescue, and stability of a remaining anchor following failure of any one anchor are to be taken into account when deciding anchor positions.

The person installing the anchor(s) shall complete the Anchor Installation Sheet (Appendix 2) and return it to the CSCC Equipment Officer.

The CSCC Equipment Officer shall update CSCC records and close the sheet.

The Anchor Installation Sheet shall be retained in a secure manner for the life of the anchor.

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3.3 Recording of Anchor Placements

All anchors which are part of the CSCC Anchor Placement Scheme shall be listed in the CSCC website.

3.4 Anchor Testing

BCA Statement on the testing of anchors:

“In 2006 following the intensive testing with Hydrajaws test equipment of over 300 anchors, some of which had been in position for fifteen years, the BCA Equipment & Techniques Committee decided that, as there had not been a single failure, routine testing of all anchors situated in caves was unnecessary and time consuming. There was also the concern that subjecting an anchor to repeated proof testing may eventually be detrimental to its strength. It was decided that all future proof testing will be conducted on test beds situated in the various regions.”

The CSCC does not carry out any routine inspection or testing of bolts within the CSCC Anchor Placement Scheme.

Further, the CSCC view is that:

Individual cavers should satisfy themselves that the anchors they are proposing to use are safe. Guidance is given on the checks which should be made prior to use in document CSCC-EQ-GN-1002 Anchor Inspection & Usage.

3.5 Defective Anchor Reporting

Defective anchors shall be reported by cavers to the CSCC Equipment Officer using the Defective Anchor Log Sheet included as Appendix 1 of document CSCC-EQ-GN-1002 Anchor Inspection & Usage.

On receipt, the CSCC Equipment Officer shall update the CSCC records to state that the anchor is reported defective and under investigation.


A person shall be appointed by the CSCC Equipment Officer to inspect the anchor with reference to section 2.1 of document CSCC-EQ-GN-1002 Anchor Inspection & Usage.

If the anchor is found by the appointed person to be defective, a label shall be attached to it stating DEFECTIVE DO NOT USE - CSCC INFORMED and the date.

The CSCC Equipment Officer shall discuss any proposed remedial action with the appointed person and ensure that it is actioned in a timely manner.

The CSCC Equipment Officer shall update CSCC records and close the sheet.

The Defective Anchor Log Sheet shall be retained in a secure manner for the life of the anchor.

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Appendix 1

NEW ANCHOR REQUEST SHEET

This sheet must be forwarded to the CSCC Equipment Officer. Please use a separate sheet for each new anchor group.

Area of Country		Name of Cave/Mine	
Name of Person Requesting Anchor(s)			
Name of Member Club			
Contact Telephone Number			
Contact Email Address			
Date Requested			
Position of Requested Anchor(s)			
Purpose of Anchors	Handline / Ladder & Lifeline / SRT "Y" hang / SRT Traverse Line / SRT Deviation / SRT Reblay / Other (give details)		
Justification for Request			

CSCC Equipment Officer (CSCC Use Only)

Decision	Approved / Declined	Date	
Reason for Decision			

CSCC Nominated Installer (CSCC Use Only)

Name		Date of Installation	
Anchor Installation Sheet Reference Number			

CSCC Equipment Officer (CSCC Use Only)

Date Records Updated	
Print Name	
Signature	

Appendix 2

Sheet Reference Number	
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ANCHOR INSTALLATION SHEET

This sheet must be forwarded to the CSCC Equipment Officer. Please use a separate sheet for each new anchor group.

Area of Country		Name of Cave/Mine	
Name of Person Installing Anchor(s)			
BCA Insurance Number		Signature	
Name of Person Verifying Anchor Placement			
BCA Insurance Number		Signature	

Date Installed	
Position of Anchor(s)	
Purpose of Anchors	Handline / Ladder & Lifeline / SRT "Y" hang / SRT Traverse Line / SRT Deviation / SRT Rebelay / Other (give details)
Number of Anchors Installed	
Anchor Type & Manufacturer	
Anchor Batch Number	
Resin Batch Number	
Comments	

CSCC Equipment Officer (CSCC Use Only)

Date Records Updated	
Print Name	
Signature	