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Australian Standard®

**Electrical equipment for coal
mines—Maintenance and overhaul**

**Part 2: Overhaul and repair of
electrical equipment for hazardous
areas**

This Australian Standard was prepared by Committee EL/23, Electrical Equipment in Coal Mines. It was approved on behalf of the Council of Standards Australia on 9 August 1993 and published on 11 October 1993.

The following interests are represented on Committee EL/23:

Australian Chamber of Commerce and Industry
Australian Coal Association
Australian Electrical and Electronic Manufacturers Association
Department of Mineral Resources, N.S.W.
Department of Minerals and Energy, Qld
Institution of Mining Electrical and Mining Mechanical Engineers
Joint Coal Board
Ministry of Commerce, New Zealand
Regulatory authorities (Electrical)
WorkCover Authority of N.S.W.

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PREFACE

This Standard was prepared by the Standards Australia Committee on Electrical Equipment in Coal Mines, to supersede AS 2290.2—1989, *Electrical equipment for coal mines—Maintenance and overhaul, Part 2: Overhaul of electrical equipment for hazardous areas*. It is intended for the guidance of users and relevant regulatory authorities concerned with the maintenance of electrical equipment in coal mines and is part of a series of Standards on the maintenance and overhaul of electrical equipment used in association with underground mining machines.

This Standard is presented in Sections, each Section dealing with the overhaul requirements appropriate to one of the types of explosion-protection which may be used to achieve electrical safety or with basic requirements and considerations which are fundamental to the safe use of electrical equipment in hazardous areas. As the 1989 edition covered only flameproof enclosures, this edition has been expanded to include three new Sections as follows:

Section	Title
3	Intrinsic Safety (Ex i)
4	Increased Safety (Ex e)
5	Pressurized Enclosures (Ex p)

In addition, requirements for approved repair workshops and competent persons have been revised as well as the introduction of accredited assessing authorities for approval of equipment.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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CONTENTS

Page

FOREWORD	5
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	6
1.2 REFERENCED DOCUMENTS	7
1.3 DEFINITIONS	7
SECTION 2 FLAMEPROOF ENCLOSURES (Ex d)	
2.1 GENERAL	10
2.2 EQUIPMENT OVERHAUL	11
2.3 OVERHAUL FREQUENCY	11
2.4 APPROVALS	11
2.5 CATEGORIES OF WORK	12
2.6 STATIC PRESSURE TESTING	13
2.7 OVERHAUL AND REPAIR PROCEDURES	14
SECTION 3 INTRINSIC SAFETY (Ex i)	
3.1 GENERAL	18
3.2 EQUIPMENT	18
3.3 MODIFICATIONS	19
3.4 EQUIPMENT OVERHAUL	20
3.5 OVERHAUL FREQUENCY	20
3.6 APPROVALS	20
3.7 OVERHAUL AND REPAIR	20
3.8 OVERHAUL AND REPAIR PROCEDURES	21
SECTION 4 INCREASED SAFETY (Ex e)	
4.1 GENERAL	23
4.2 EQUIPMENT	23
4.3 WINDINGS	24
4.4 MODIFICATIONS	25
4.5 EQUIPMENT OVERHAUL	25
4.6 OVERHAUL FREQUENCY	25
4.7 APPROVALS	25
4.8 CATEGORIES OF WORK	26
4.9 OVERHAUL PROCEDURES	27
SECTION 5 PRESSURIZED ENCLOSURES (Ex p)	
5.1 GENERAL	31
5.2 PRESSURIZATION	31
5.3 EQUIPMENT OVERHAUL	31
5.4 ENCLOSURES	31
5.5 TEMPERATURE RATING	32
5.6 OVERHAUL FREQUENCY	32
5.7 APPROVALS	32

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