

AS 1740—1990

Australian Standard[®]

**Electrical equipment for coal
mines—Transformer substations
for use underground**

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 19 February 1990 and published on 4 June 1990.

The following interests are represented on Committee EL/23:

Australian Chamber of Commerce
Australian Coal Association
Australian Electrical and Electronic Manufacturers Association
Confederation of Australian Industry
Department of Industrial Relations and Employment, N.S.W.
Department of Minerals and Energy, N.S.W.
Department of Mines, Qld
Institute of Mining Electrical and Mining Mechanical Engineers
Joint Coal Board
Regulatory authorities (electrical)

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PREFACE

This Standard was prepared by the Standards Australia Committee on Electrical Equipment in Coal Mines to supersede AS 1740—1985.

It is intended for the guidance of manufacturers, users, regulatory authorities and associated interests and for use with other Australian Standards and relevant mining regulations.

The purpose of this edition is to update the requirements to take account of new design parameters and current user needs.

The major changes in this edition include—

- (a) requirements for secondary enclosures having voltages up to 11 kV; and
- (b) the addition of short-circuit tests.

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