

AUSTRALIAN STANDARDS CURRENT REVIEW STATUS @ Nov - 2007

Presented by ROB ROBSON

M.E.M.M.E.S REPRESENTATIVE ON
AUST STANDARDS COMMITTEES

EL23-1, TO 5

EL14-11

P12

AUSTRALIAN STANDARDS REVIEW PROCEDURE

NOTE:-

As Stated last year

**EL23 No Longer is Coal Mining Standards
Committee only**

**EL23 Produces and Reviews Standards and
Codes of Practice for electricians in all mining
disciplines.**

AUSTRALIAN STANDARDS

Under Review

Project Number	6516
Project Title	Code of Practice –
EEHA	equipment –
	Maintenance, repair and
	overhaul
Status	Project on hold awaiting completion
of	IEC 60079-19.

AUSTRALIAN STANDARDS

Under Review

Standard Number	HB 242
Project Title	Code of Practice – Underground mining equipment rated at 3.3 kV and above
Status	Completed. Presently at editors. Soon to be published

AUSTRALIAN STANDARDS

Under Review

Project Number	3153
Project Title	Electrical equipment for coal mines- Flameproof restrained plugs and receptacles
Status	Revision of AS 1299-1993 Progressing well Draft to be released for public comment soon

AUSTRALIAN STANDARDS

Under Review

Project Number	3155
Project Title	Electrical equipment for coal mines-Bolted flameproof cable coupling devices
Status	Revision of AS 1300-1989 Progressing well Draft to be released for public comment soon

AUSTRALIAN STANDARDS

Under Review

Project Number 8401

Project Title **Electrical equipment**
for mines- Electrical protection
devices, Part 1: General
requirements

Status Revision of ASNZS 2081.1-2002
Progressing well
Draft to be released for public comment
soon

AUSTRALIAN STANDARDS

Under Review

Project Number	8402
Project Title	Electrical equipment Electrical protection Part 2: Earth- monitoring
for mines- devices, continuity	Revision of ASNZS 2081.2-2002
Status	Progressing well Draft to be released for public comment soon

AUSTRALIAN STANDARDS

Under Review

Project Number	8403
Project Title	Electrical equipment Electrical protection Part 3: Earth- systems
for mines- devices, leakage protection for use on earth-fault current limited systems (IT systems)	
Status	Progressing Revision of AS/NZS 2081.3-2002 Draft to be released for public comment soon

AUSTRALIAN STANDARDS

Under Review

Project Number 8404

Project Title **Electrical equipment**
for mines- Electrical protection
devices, Part 4: Lockout
earth-fault protection
devices

Revision of AS/NZS 2081.4-2002

Status Progressing well
Draft to be released for public comment
soon

AUSTRALIAN STANDARDS

Under Review

Project Number

8405

Project Title

Electrical equipment
for mines-
devices,
fault current

Electrical equipment

Electrical protection

Part 5: Earth-
limiters

Revision of AS/NZS 2081.5-2002

Status

Progressing well

Draft to be released for public comment
soon

AUSTRALIAN STANDARDS

Under Review

Project Number

TBA

Project Title

for mines-
devices,
to-earth
protection devices

Electrical equipment

Electrical protection

Part 6: Neutral-
continuity

Status

New Standard

Approved by EL23 Oct 2007
Yet to be Commenced

AUSTRALIAN STANDARDS

Under Review

Project Number

TBA

Project Title

for mines-
devices,
interruption
devices

Electrical equipment

Electrical protection

Part 7: Circuit

protection

Status

New Standard

Approved by EL23 Oct 2007
Yet to be Commenced

AUSTRALIAN STANDARDS

Under Review

Project Number	2726
Project Title	Remote controls for mining equipment
	Part 1: Design, construction, testing, installation and commissioning
	Revision of AS/NZS 4240:1994
Status	Committee Ballot draft to be issued.

AUSTRALIAN STANDARDS

Under Review

Project Number	7489
Project Title	Remote controls for equipment
mining	Part 2: Operation and maintenance for
underground	metalliferous mining
	New Standard
Status	Committee Ballot draft to be issued.

AUSTRALIAN STANDARDS

Under Review

Project Number

Project Title

mining

Remote controls for
equipment

Part 3: Operation and
maintenance for

underground

coal mining

New Standard

Status

Awaiting MDG Document

AUSTRALIAN STANDARDS

Under Review

Project Number

Project Title

mining

Remote controls for
equipment

Part 4: Operation and
maintenance for surface of
mines

New Standard

Status

Yet to be commenced

AUSTRALIAN STANDARDS

Under Review

Project Number	6813
Project Title	Electrical equipment for use underground
for mines,	Part 1: General
requirements	

Revision of AS/NZS 4871.1:2002

Status	Work in Process
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AUSTRALIAN STANDARDS

Under Review

Project Number	6814
Project Title	Electrical equipment for use underground Part 2: Distribution, control auxiliary equipment
for mines,	
and	

Revision of AS/NZS 4871.2:2002

Status	Work in Process
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AUSTRALIAN STANDARDS

Under Review

Project Number	6815
Project Title	Electrical equipment for use underground Part 3: Substations

for mines,

Revision of AS/NZS 4871.3:2002

Status	Work in Process
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AUSTRALIAN STANDARDS

Under Review

Project Number

6816

Project Title

for mines,

Electrical equipment

for use underground

Part 4: Mains powered
electrical mobile machines

Revision of AS/NZS 4871.4:2002

Status

Work in Process

AUSTRALIAN STANDARDS

Under Review

Project Number

6817

Project Title

for mines,

Electrical equipment

for use underground

Part 5: Battery powered
electrical mobile machines

Revision of AS/NZS 4871.5:2002

Status

Work in Process

AUSTRALIAN STANDARDS

Under Review

Project Number

6396

Project Title

for mines,

mobile

Electrical equipment

for use underground

Part 6: Diesel powered

machines

New Part 6 to AS/NZS 4871

Status

Published 15 May 2007

AUSTRALIAN STANDARDS

Under Review

Project Number	7690
Project Title	Caplights for use in mines susceptible to firedamp
	Part 1:General
requirements—testing in	Construction and relation to the risk
Status	Two negative votes submitted
	Issues Revisions of AS/NZS 62013.1:2001.

AUSTRALIAN STANDARDS

Under Review

Project Number 7691

Project Title Caplights for use in
mines susceptible to
firedamp

other Part 2: Performance and
safety related matters

Revision of AS/NZS

Status AS 2:2001 Two negative votes submitted
Issues to be resolved

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AS NZS 3000

**Australian/New Zealand
Wiring Rules**

Due Out Final Quarter 2007

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To be published as Two Parts within the one cover

Part 1 – Outcomes oriented

Part 2 – Deemed to comply

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Main Changes effecting Mining are:-

- **Extended application of RCD's**
 - **Intro protection against arcing faults**
 - **Intro for requirements for selectivity (discrimination) between circuits.**
 - **Mandatory requirement of testing for correct operation.**
- RCD's**

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- strengthening of requirements for prevention of the spread of fire
 - the reinstatement of much of the guidance material removed from the edition
- the
- 2000

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Hazardous Areas

IEC 60079-29-3 – Explosive atmospheres –
Part 29-3 : Gas detectors –
Requirements on the functional safety of fixed gas detection
systems

Draft for IEC 60079-29-4 Explosive atmospheres –
Part 29-3 : Gas detectors –
Open path apparatus general requirements and test methods

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Hazardous Areas

Future IEC 60079-XX Ed. 1.0: Explosive atmospheres
-Part xx: Equipment protection by special protection

: IEC 60079-0 Ed 5.0: Explosive Atmospheres
- Part 0: Equipment - General requirements

IEC 60079-18 Ed. 3.0: Explosive Atmospheres –
Part 18: Equipment protection by encapsulation "m"

IEC 60079-13 Ed. 1.0: Explosive atmospheres –
Part 13: Equipment protection by pressurized room "p"

IEC 60079-14 Ed. 4.0: Explosive atmospheres –
Part 14: Electrical Installations design, selection and erection

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Hazardous Areas

IEC 60079-10-1 Ed.01 Explosive atmospheres
Part 10-1: Classification of areas – Explosive gas atmospheres

AS/NZS 4761-1 Competencies for working with electrical
equipment for hazardous areas (EEHA)
Part 1: Competency Standards

AS/NZS 4761-2 Competencies for working with electrical
equipment for hazardous areas (EEHA)
Part 2: Guide to assessing competency

AUSTRALIAN STANDARDS

Mining ELECTRICAL STANDARDS

Committee Members Make-up.

Committee	No. Gov. Body, Manufacturers, Supplier Members	No. End user Members
EL23-01	15	5
EL23-02	19	2
EL23-03	14	2
EL23-04	15	3
EL23-05	7	0
EI23-06	12	0

AUSTRALIAN STANDARDS

GET INVOLVED

ESPECIALLY END USERS