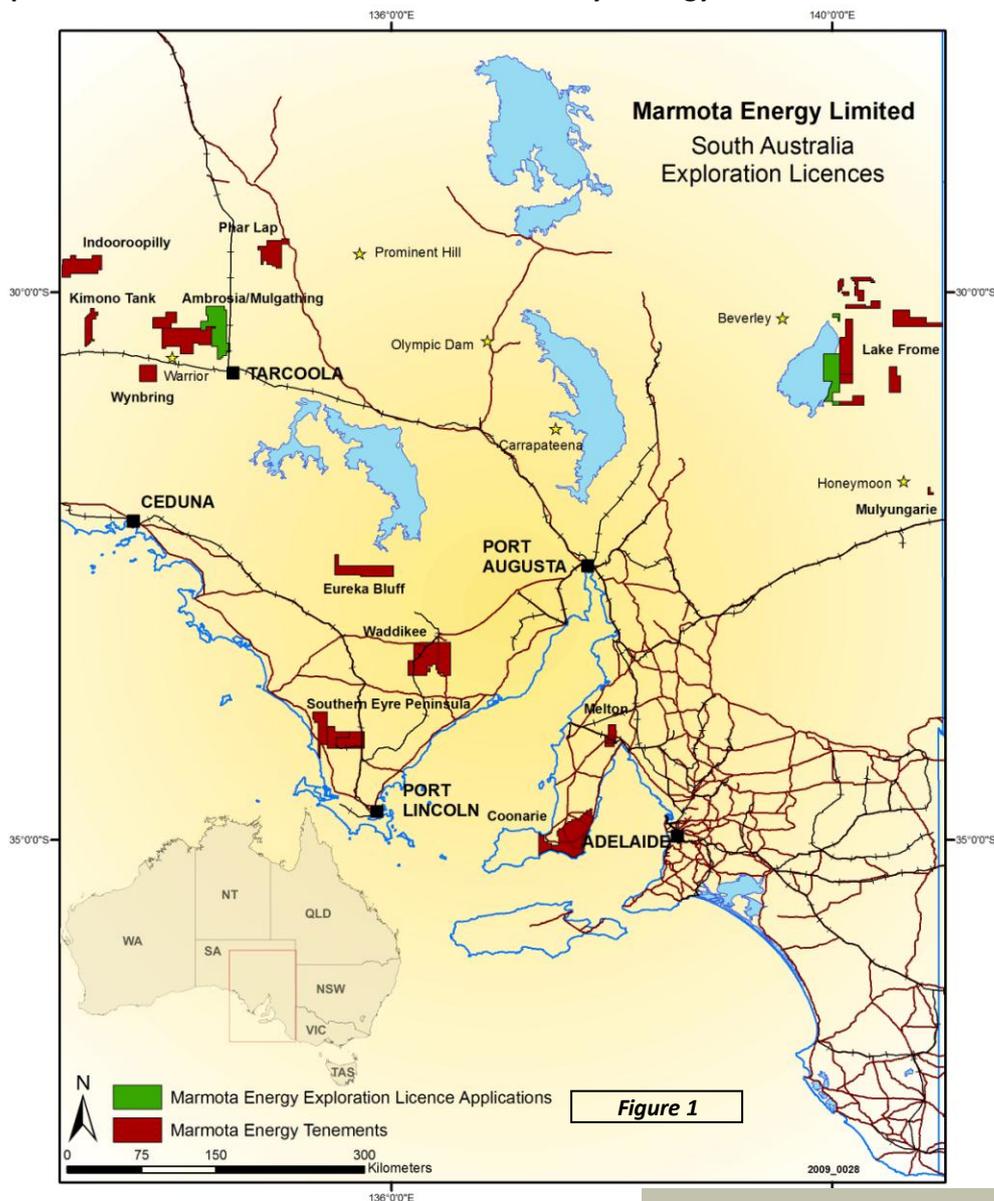


ASX RELEASE

## Highlights

- Marmota Energy is maintaining its strong cash position, enabling it to weather the current market environment, while intensifying focused exploration across a growing portfolio of projects in South Australia.
- Drilling commenced on the Company's Mulyungarie project, 18 kilometres southeast of the Honeymoon uranium mine, late in the Quarter.
- First 25% earn-in across all commodities was achieved from Joint Venture partner, Monax Mining Limited, on the Ambrosia project in northwest SA.
- Geochemical sampling was completed over the first basement targets with IOCGU potential on Ambrosia, with focused copper-gold-uranium drilling commencing in April.
- Marmota is continuing to assess new opportunities with potential for near-term production in line with its diversified commodity strategy.

Marmota Energy  
Limited (ASX: MEU)



## Review of Operations

### Corporate Activities

In the March Quarter of 2009, the Company commenced drilling on its Mulyungarie uranium project. Ground geochemical surveys were also completed over the first of Marmota's copper-gold targets on Ambrosia, returning favourable initial results. Drill testing of the first of these targets will commence in April 2009. In line with the Company's diversified commodity strategy, a number of opportunities are currently being

assessed. Marmota is focusing its resources on a twofold strategy to develop a pipeline of projects that will offer a combination of short-term and sustainable longer term revenue potential. This strategy will assist in maintaining Marmota's strong cash position while promoting an expanded program of focused exploration. Marmota has strong technical capabilities and state-of-the-art equipment that will enable it to undertake low-cost exploration without significant

dependence on external providers. Large scale first pass exploration has been completed across most of Marmota's key projects in its first year of operation, lifting the maturity and prospectivity of its projects.

### Finance

As at 31 March 2009, Marmota Energy had available funds of \$9.3 million, of which the majority is held in term deposits with Australian Banks. During the March quarter, total net operating expenditure by the company was \$361 thousand.

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*"Maintaining Marmota's strong cash position while, undertaking focused exploration."*

## Exploration Activities

### Ambrosia Mulgathing

*(Marmota earning 50% under Ambrosia JV Agreement with Monax Mining Limited)*

*(Marmota earning 70% under Farm in and JV Agreement with Monax Mining Limited)*

The Ambrosia-Mulgathing Project tenement totals 1,112 km<sup>2</sup> of pastoral lease land and is located approximately 100 kilometres north west of Tarcoola in the north of South Australia. The area is highly prospective for sedimentary and IOCGU styles of uranium.

On the Ambrosia project (EL 3358) Marmota is earning 50% equity across all commodities from Monax Mining Limited, and 70% equity for uranium only on Mulgathing (EL 3684) from Monax Mining Limited.

High resolution magnetic, radiometric, airborne EM and gravity geophysical

surveys were completed over the project area in previous quarters. Using these data the Company has accurately mapped palaeodrainage and sedimentary drainage systems and discrete conductive basement targets.

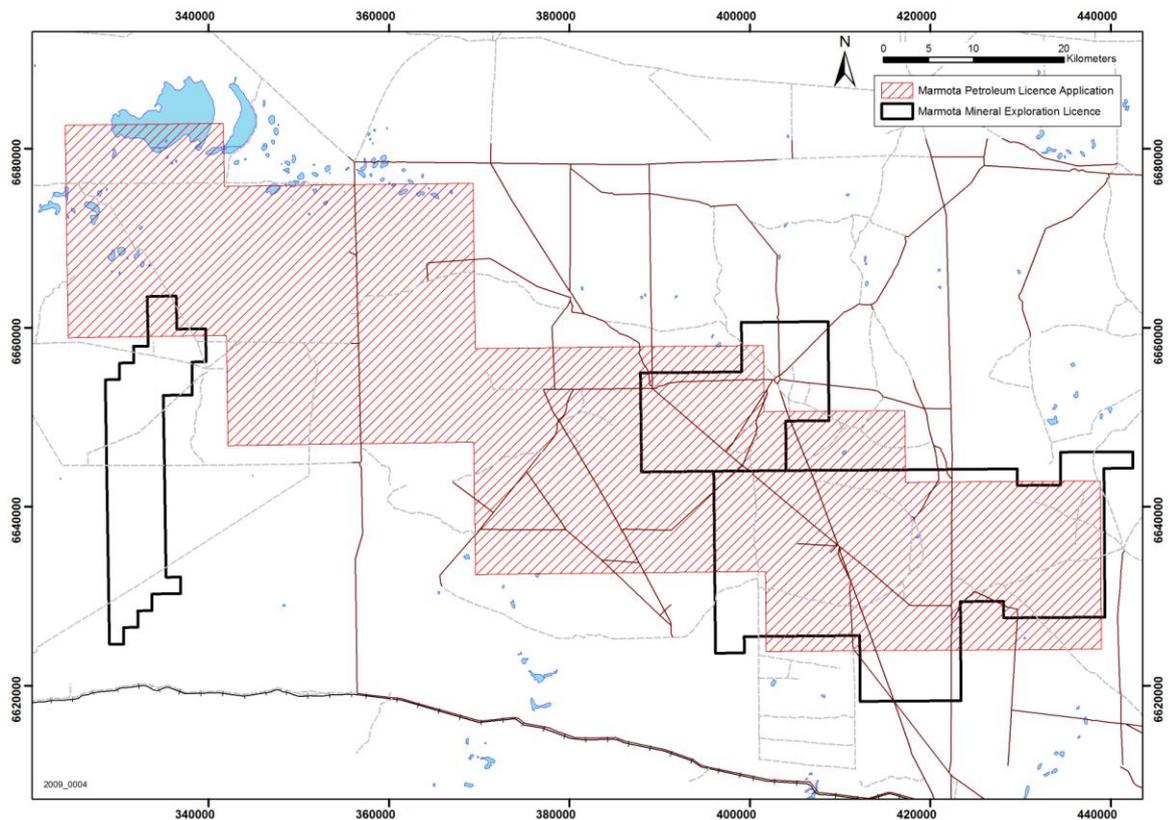
The initial phase of drill testing of the Ambrosia palaeodrainages identified the presence of uranium in a number of holes.

The Company is encouraged by this and believes that further drill testing is warranted in the near vicinity of some holes that have returned positive results.

Several holes intersected lignites and carbonaceous sand. These act as the reducing agents necessary to aid in the deposition of uranium mineralisation in rollfront and tabular systems.



Right: Ambrosia – Mulgathing exploration licence (black) with new Marmota petroleum exploration licence application (red hash). This will ensure Marmota's rights to any coal seam methane potential.



### Oil Shale, Coal Seam Methane Potential

Carbonaceous black organic muds were intersected in a number of holes in neighbouring traverses along the 43 km of the Mulgathing Trough. Intervals of the carbonaceous organic mud ranged from 40 to 120 metres in thickness, with a number of intervals remaining open at depth. Samples were sent for preliminary analysis, returning results indicative of the potential for oil. Samples ranged up to a potential yield of 24.10 kg/tonne. The Company believes this unit has low grade oil shale potential contained in thick intervals (up to 120 metres) in a trough up to 40 km long within the project area, offering a large target area for potential higher yields.

An independent report was commissioned by Marmota to further investigate the petroleum potential of the carbonaceous mud samples. The report

indicated relatively high thermal alteration index (TAI) values of 3- for spore-pollen at 62-64 m depth in Drillhole VFRMO107, equivalent to vitrinite reflectance values of ~0.9%: Equivalent hydrocarbon and **coal rank values** are 'mature' (**within the oil window**) and 'bituminous high volume A', respectively (Traverse 1989).

The Company believes that results achieved during this early stage of the program are encouraging, confirming the presence of potential uranium and oil bearing systems in the project area. Due to the petroleum potential of the project area, particularly relating to any potential coal seam methane, Marmota has obtained a petroleum exploration licence application (PELa) to augment the existing mineral exploration licence which covers much of the Mulgathing Trough.

### IOCGU Potential

Several bedrock-hosted iron-oxide-copper - gold - uranium (IOCGU) targets, interpreted to be at shallow

depths, have been identified from the airborne EM survey. These are planned to be drill tested. Calcrete sampling over the highest ranked targets was completed in November 2008, with chemical assays returning results positive for indicator minerals typically associated with gold mineralisation.

These results have lent further support to Marmota's preliminary mineralisation models for the Ambrosia project. A focused drilling program testing the first of the targets is scheduled to commence in April 2009. Marmota has achieved its first 25% equity in the Ambrosia project. Through its planned exploration in 2009, the Company is on target to earn the next 25%.

**Mulyungarie Project**  
*(Marmota earning 70% Uranium under JV agreement with Monax Mining Limited)*

A first phase 24 hole drilling program to test shallow sedimentary uranium targets commenced in the March quarter on EL 3910 – Mulyungarie. The project is located 18 km south east of the Honeymoon uranium mine (a 6.5 million pound Inferred Resource owned by Uranium One and Mitsui) and 50 km west of Broken Hill.

Mulyungarie is ideally located close to mine and civil infrastructure. The project’s proximity to a major centre (Broken Hill) and convenient access to road and rail infrastructure makes this a very strategic project for Marmota Energy.

This first phase of drilling focused on the northern part of the project area and was completed within several weeks.

Marmota’s review of the sparse previous exploration borehole data from the project area indicates that the palaeochannel contains at least 107 metres of Cainozoic sediments. At least 29 metres of fluvial, carbonaceous, pyritic sand, fine-grained beds, including clay, and lignite of the Late Paleocene to Eocene Eyre Formation are present in the lower part of the channel.

Overlying this Formation is at least 47 metres of the middle Tertiary Namba Formation, which in this area consists of carbonaceous silt, clay and minor sands. Both formations appear to contain reduced horizons, and host uranium deposits in the region.

During the 1970’s and 1980’s exploration was conducted for sedimentary uranium in the region of the project area by Sedimentary Uranium NL, Mines Administration Pty Ltd (Minad), Teton Exploration Drilling Co Ltd (Teton) and Carpentaria Exploration Co Pty Ltd (Carpentaria).

Economic grades of uranium were discovered by Minad-Teton-Carpentaria in 1972 at the Honeymoon site. Little exploration, however, was undertaken in Marmota’s Mulyungarie project area.

Marmota believes that the Eyre Formation in the project area is prospective for large tonnage low operating cost sandstone-hosted, rollfront style uranium.

In view of the carbonaceous nature of the Namba Formation on Mulyungarie, Marmota believes that this formation is also prospective for uranium.

The Eyre Formation is the host for the nearby Honeymoon uranium deposit and the Namba Formation hosts the uranium mined by in situ leach at Beverley. A number of other uranium

prospects, namely the Brooks Dam, Yarramba and East Kalkaroo prospects have been discovered within the Yarramba Palaeochannel system.

High resolution geophysical data acquired in 2008, defined what has been interpreted as part of the Yarramba Palaeochannel flowing onto the project. Drilling completed to date by Marmota has confirmed the presence of the uranium prospective Eyre and Namba Formations within the project. Samples from the drilling are currently being logged and prepared for laboratory analysis. Results from the analysis are expected within a few weeks following submission.

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*“Drilling completed to date by Marmota has confirmed the presence of the uranium prospective Eyre and Namba Formations within the project.”*



Above: Drilling at Mulyungarie project by Marmota Energy

Timing	Action	Tenement	Project Name
4Q 2008	Geochemical sampling	EL 3358 <b>COMPLETED</b>	Ambrosia
1Q 2009	Geochemical sampling	EL 3910 <b>COMPLETED</b>	Mulyungarie
1Q 2009	Radon Surveys	EL 3910, EL 3355, 3356, 3357, EL 3357 <b>UNDERWAY</b>	Mulyungarie, Southern Eyre Peninsula, Waddikee
1Q 2009	Drilling	EL 3910, EL 3358 <b>UNDERWAY</b>	Mulyungarie, Ambrosia (IOCG)
3Q 2009	Drilling	EL 3357	Waddikee
3Q 2009	Drilling	EL 3358	Ambrosia (phase 2, sed U, oil shale)

## Future Exploration

Discrete focused geochemical sampling, radon surveys and drilling programs are planned to test higher potential ranked targets across Marmota's projects over the coming year. Ongoing data processing and cutting-edge modelling techniques will enable the Company to accurately map the outline and depth of the palaeochannels across these projects.

The AEM survey data, along with newly acquired gravity data, have also enhanced Marmota's exploration for uranium and basement targets. The data will aid in defining drill holes across the Company's suite of tenements and sampling programs to continue into the 2<sup>nd</sup> quarter of 2009.



Left: Radon survey being conducted by Marmota Energy field staff.

### Marmota Energy Limited

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See us at:

[www.marmotaenergy.com.au](http://www.marmotaenergy.com.au)

## General

Marmota Energy Limited has moved to a 25% share of the Ambrosia uranium and IOCGU project in South Australia, after completing the first round of its earn-in requirements on the Monax Mining-owned project in the State's far north.

Marmota has satisfied the first 25% earn-in commitment on Ambrosia as part of its Farm-in and Joint Venture Agreement with Monax Mining, and is on track to achieve 50% interest in the project through its exploration expenditure over the 2<sup>nd</sup> and 3<sup>rd</sup> quarters of 2009.

Marmota Energy will continue to assess opportunities for focused gold and uranium exploration, in line with its twofold corporate strategy. Gold is seen as offering strong short-term revenue potential, with uranium providing a sustainable longer term investment within the context of growing worldwide demand for nuclear energy.

Dom Calandro  
Managing Director

29 April 2009

# Appendix 5B

## Mining exploration entity quarterly report

Introduced 1/7/96. Origin: Appendix 8. Amended 1/7/97, 1/7/98, 30/9/2001.

Name of entity

**Marmota Energy Limited**

ABN

**38 119 270 816**

Quarter ended ("current quarter")

**31 March 2009**

### Consolidated statement of cash flows

	Current quarter \$A'000	Year to date (9 months) \$A'000
<b>Cash flows related to operating activities</b>		
1.1 Receipts from product sales and related debtors	-	-
1.2 Payments for		
(a) exploration and evaluation	(244)	(2,587)
(b) development	-	-
(c) production	-	-
(d) administration	(150)	(579)
1.3 Dividends received	-	-
1.4 Interest and other items of a similar nature received	16	737
1.5 Interest and other costs of finance paid	-	(1)
1.6 Income taxes paid	-	(2)
1.7 Other (provide details if material) )		
GST	17	83
Other	-	-
<b>Net Operating Cash Flows</b>	<b>(361)</b>	<b>(2,349)</b>
<b>Cash flows related to investing activities</b>		
1.8 Payment for purchases of:		
(a) prospects	-	-
(b) equity investments	-	-
(c) other fixed assets	(2)	(134)
1.9 Proceeds from sale of:		
(a) prospects	-	-
(b) equity investments	-	-
(c) other fixed assets	-	-
1.10 Loans to other entities	-	(68)
1.11 Loans repaid by other entities	3	3
1.12 Other (provide details if material)		
Loans repaid to other entities	(6)	(64)
<b>Net investing cash flows</b>	<b>(5)</b>	<b>(263)</b>
1.13 Total operating and investing cash flows (carried forward)	<b>(366)</b>	<b>(2,612)</b>

+ See chapter 19 for defined terms.

**Appendix 5B**  
**Mining exploration entity quarterly report**

1.13	Total operating and investing cash flows (brought forward)	(366)	(2,612)
	<b>Cash flows related to financing activities</b>		
1.14	Proceeds from issues of shares, options, etc.	-	-
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from borrowings	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Other (provide details if material)	-	-
	Payments relating to issue of shares / options	-	-
	<b>Net financing cash flows</b>	-	-
	<b>Net increase (decrease) in cash held</b>	(366)	(2,612)
1.20	Cash at beginning of quarter/year to date	9,671	11,917
1.21	Exchange rate adjustments to item 1.20	-	-
1.22	<b>Cash at end of quarter</b>	9,305	9,305

**Payments to directors of the entity and associates of the directors**

**Payments to related entities of the entity and associates of the related entities**

		Current quarter \$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	133
1.24	Aggregate amount of loans to the parties included in item 1.10	-

1.25 Explanation necessary for an understanding of the transactions

The amount at 1.23 above represents non executive directors' fees and executive director's salary (including SGC superannuation) and legal fees paid to a legal firm in which a director is a partner. The amount at 1.24 represents contributions to the establishment of a 50% owned associate company which provides management and logistics services to the entity from 1 July 2008.

**Non-cash financing and investing activities**

2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

Nil

2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

Nil

**Financing facilities available**

*Add notes as necessary for an understanding of the position.*

		Amount available \$A'000	Amount used \$A'000
3.1	Loan facilities	Nil	Nil
3.2	Credit standby arrangements	Nil	Nil

**Note:**

+ See chapter 19 for defined terms.

### Estimated cash outflows for next quarter

		\$A'000
4.1	Exploration and evaluation	700
4.2	Development	-
<b>Total</b>		<b>700</b>

### Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.

	Current quarter \$A'000	Previous quarter \$A'000
5.1 Cash on hand and at bank	287	201
5.2 Deposits at call	9,018	9,470
5.3 Bank overdraft	-	-
5.4 Other (provide details)	-	-
<b>Total: cash at end of quarter</b> (item 1.22)	<b>9,305</b>	<b>9,671</b>

### Changes in interests in mining tenements

	Tenement reference	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1	Interests in mining tenements relinquished, reduced or lapsed	N/A		
6.2	Interests in mining tenements acquired or increased	EL 3358 Pursuant to the Ambrosia Farm-in and Joint Venture Agreement, Marmota Energy Limited has acquired rights to 25% of all minerals and entered into a joint venture arrangement with Monax Mining Limited to explore for minerals on this tenement.	0%	25%

+ See chapter 19 for defined terms.

**Appendix 5B**  
**Mining exploration entity quarterly report**

**Issued and quoted securities at end of current quarter**

*Description includes rate of interest and any redemption or conversion rights together with prices and dates.*

	Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1 <b>Preference +securities</b> <i>(description)</i>				
7.2 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs, redemptions				
7.3 <b>+Ordinary securities</b>	120,721,009	66,309,009		
7.4 Changes during quarter (a) Increases through issues  (b) Decreases through returns of capital, buy-backs				
7.5 <b>+Convertible debt securities</b> <i>(description)</i>				
7.6 Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7 <b>Options</b> <i>(description and conversion factor)</i>	28,000,000 3,625,000	- -	<i>Exercise Price</i> \$0.40 \$0.04	<i>Expiry Date</i> 11/07/12 23/12/13
7.8 Issued during quarter				
7.9 Exercised during quarter				
7.10 Expired during quarter				
7.11 <b>Debentures</b> <i>(totals only)</i>				
7.12 <b>Unsecured notes</b> <i>(totals only)</i>				

+ See chapter 19 for defined terms.

## Compliance statement

- 1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 4).
- 2 This statement does ~~/does not~~\* (*delete one*) give a true and fair view of the matters disclosed.

Print name: Virginia Suttell..... Date: ....29/04/2009.....  
(~~Director~~/Company Secretary)

## Notes

- 1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 4 The definitions in, and provisions of, *AASB 1022: Accounting for Extractive Industries* and *AASB 1026: Statement of Cash Flows* apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Accounting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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+ See chapter 19 for defined terms.