

Appendix 3E

Daily share buy-back notice (except minimum holding buy-back and selective buy-back)

Information and documents given to ASX become ASX's property and may be made public.

Introduced 1/9/99. Origin: rule 3.6, Appendix 7C. Amended 30/9/2001.

Name of entity

ABN

RESMED INC

We (the entity) give ASX the following information.

Information about buy-back

1 Type of buy-back

On Market NYSE trade on 1 September 2010 (US time).

2 Date Appendix 3C was given to ASX

Not Applicable

Total of all shares bought back, or in relation to which acceptances have been received, before, and on, previous day

Before previous day	Previous day
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As purchased on NYSE:

3 Number of shares bought back or if buy-back is an equal access scheme, in relation to which acceptances have been received

18,982,526

50,500

4 Total consideration paid or payable for the shares

USD 360,745,379

USD 1,556,738

5 If buy-back is an on-market buy-back

Highest paid: US\$34.15 Date: 11/5/10	Highest paid: US\$30.85 Lowest paid: US\$30.74
Lowest paid: US\$6.56 Date: 14/6/02	Highest price allowed under rule 7.33: -

Participation by directors

6 Deleted 30/9/2001

Before previous day	Previous day
NIL	NIL

How many shares may still be bought back?

7 If the company has disclosed an intention to buy back a maximum number of shares - the remaining number of shares to be bought back

14,263,288 (142,632,880 CDI's)	14,212,788 (142,127,880 CDI's)
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Compliance statement

1. The company is in compliance with all Corporations Act requirements relevant to this buy-back - Not applicable as the Company is incorporated in Delaware, U. S. A.
2. There is no information that the listing rules require to be disclosed that has not already been disclosed, or is not contained in, or attached to, this form.

Sign here */s/* **Brett Sandercock**

 (Chief Financial Officer)

Date 3 September 2010

Print name BRETT SANDERCOCK
