Rule 2.7, 3.10.3, 3.10.4, 3.10.5

Appendix 3B

New issue announcement, application for quotation of additional securities and agreement

Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.

 $Introduced\ 01/07/96\ \ Origin:\ Appendix\ 5\ \ Amended\ 01/07/98,\ 01/09/99,\ 01/07/00,\ 30/09/01,\ 11/03/02,\ 01/01/03,\ 24/10/05,\ 01/08/12,\ 04/03/13$

ABN 102 832 995 We (the entity) give ASX the following information. Part 1 - All issues You must complete the relevant sections (attach sheets if there is not enough space). 1 +Class of +securities issued or to Unlisted Options	
We (the entity) give ASX the following information. Part 1 - All issues You must complete the relevant sections (attach sheets if there is not enough space).	
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1 +Class of +securities issued or to Unlisted Options	
be issued	
Number of +securities issued or to 21,134,426	
be issued (if known) or maximum number which may be issued	
number which may be issued	
3 Principal terms of the *securities Unlisted options exercisable	at \$0.20 each on
(e.g. if options, exercise price and expiry date; if partly paid or before 7 March 2021	
+securities, the amount outstanding	
and due dates for payment; if	
+convertible securities, the	
conversion price and dates for conversion)	

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⁺ See chapter 19 for defined terms.

4 Do the +securities rank equally in all respects from the +issue date with an existing +class of quoted +securities?

> If the additional +securities do not rank equally, please state:

- the date from which they do
- the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment
- the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment

No

The options will not be quoted. Shares to be issued upon exercise of options will rank equally with all other fully paid ordinary shares on issue.

5 I	ssue	price	or	consid	leration
-----	------	-------	----	--------	----------

\$0.01

6 Purpose of the issue (If issued as consideration for the acquisition of assets, clearly identify those assets)

Funds raised under the Option Entitlement issue will be used for working capital.

Is the entity an +eligible entity that 6a has obtained security holder approval under rule 7.1A?

> If Yes, complete sections 6b - 6h in relation to the +securities the subject of this Appendix 3B, and comply with section 6i

27 November 2018

6b The date the security holder resolution under rule 7.1A was passed

Number of +securities issued 6c without security holder approval under rule 7.1

Nil

Yes

Number of +securities issued with | Nil 6d security holder approval under rule 7.1A

⁺ See chapter 19 for defined terms.

6e	Number of *securities issued with security holder approval under rule 7.3, or another specific security holder approval (specify date of meeting)	Nil	
6f	Number of *securities issued under an exception in rule 7.2	21,134,426 Unlisted Op	tions
6g	If *securities issued under rule 7.1A, was issue price at least 75% of 15 day VWAP as calculated under rule 7.1A.3? Include the *issue date and both values. Include the source of the VWAP calculation.	Not applicable	
6h	If +securities were issued under rule 7.1A for non-cash consideration, state date on which valuation of consideration was released to ASX Market Announcements	Not applicable	
		Γ	
6i	Calculate the entity's remaining issue capacity under rule 7.1 and rule 7.1A – complete Annexure 1 and release to ASX Market Announcements	·	37,088 8,059
7	⁺ Issue dates	6 December 2018	
	Note: The issue date may be prescribed by ASX (refer to the definition of issue date in rule 19.12). For example, the issue date for a pro rata entitlement issue must comply with the applicable timetable in Appendix 7A. Cross reference: item 33 of Appendix 3B.		
	••		
8	Number and +class of all +securities quoted on ASX (including the +securities in section 2 if applicable)	Number 52,324,817	+Class Fully paid ordinary shares
		i	i

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⁺ See chapter 19 for defined terms.

9 Number and +class of all +securities not quoted on ASX (including the +securities in section 2 if applicable)

Number	+Class
746,269	Fully paid ordinary shares (subject to ASX escrow until 18 January 2019)
1,160,000	Fully paid ordinary shares (subject to ASX escrow until 24 July 2018)
19,349,506	Fully paid ordinary shares (subject to ASX escrow until 27 July 2020)
57,134,426	Unlisted options exercisable at \$0.20 expiring 7 March 2021 (of which 36,000,000 are subject to ASX escrow until 27 July 2020)
700,000	Class B performance shares (subject to ASX escrow until 27 July 2020)
700,000	Class C performance shares (subject to ASX escrow until 27 July 2020)
700,000	Class D performance shares (subject to ASX escrow until 27 July 2020)
700,000	Class E performance shares (subject to ASX escrow until 27 July 2020)

⁺ See chapter 19 for defined terms.

Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)

Not applicable

Part 2 - Pro rata issue

11	Is security holder approval required?	No
12	Is the issue renounceable or non-renounceable?	Non-renounceable
13	Ratio in which the *securities will be offered	Two (2) options for every five (5) shares held by eligible shareholders at Record Date
14	⁺ Class of ⁺ securities to which the offer relates	Unlisted options
15	⁺ Record date to determine entitlements	15 November 2018
16	Will holdings on different registers (or subregisters) be aggregated for calculating entitlements?	No
17	Policy for deciding entitlements in relation to fractions	Rounded up to the nearest whole number
18	Names of countries in which the entity has security holders who will not be sent new offer documents	Shareholders outside of Australia and New Zealand
	Note: Security holders must be told how their	
	entitlements are to be dealt with. Cross reference: rule 7.7.	
19	Closing date for receipt of acceptances or renunciations	29 November 2018
20	Names of any underwriters	Not applicable
21	Amount of any underwriting fee or commission	Not applicable
22	Names of any brokers to the issue	Westar Capital Ltd (AFSL 255789)

⁺ See chapter 19 for defined terms.

23	Fee or commission payable to the broker to the issue	\$10,000
24	Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of security holders	Not applicable
25	If the issue is contingent on security holders' approval, the date of the meeting	Not applicable
26	Date entitlement and acceptance form and offer documents will be sent to persons entitled	20 November 2018
27	If the entity has issued options, and the terms entitle option holders to participate on exercise, the date on which notices will be sent to option holders	9 November 2018
28	Date rights trading will begin (if applicable)	Not applicable
29	Date rights trading will end (if applicable)	Not applicable
30	How do security holders sell their entitlements <i>in full</i> through a broker?	Not applicable
31	How do security holders sell <i>part</i> of their entitlements through a broker and accept for the balance?	Not applicable
32	How do security holders dispose of their entitlements (except by sale through a broker)?	Not applicable
33	⁺ Issue date	6 December 2018

Part 3 - Quotation of securities

You need only complete this section if you are applying for quotation of securities

Sections 34 to 42 – Not Applicable

Quotation agreement

⁺ See chapter 19 for defined terms.

- ⁺Quotation of our additional ⁺securities is in ASX's absolute discretion. ASX may quote the ⁺securities on any conditions it decides.
- We warrant the following to ASX.
 - The issue of the *securities to be quoted complies with the law and is not for an illegal purpose.
 - There is no reason why those +securities should not be granted +quotation.
 - An offer of the *securities for sale within 12 months after their issue will not require disclosure under section 707(3) or section 1012C(6) of the Corporations Act.

Note: An entity may need to obtain appropriate warranties from subscribers for the securities in order to be able to give this warranty

- Section 724 or section 1016E of the Corporations Act does not apply to any applications received by us in relation to any *securities to be quoted and that no-one has any right to return any *securities to be quoted under sections 737, 738 or 1016F of the Corporations Act at the time that we request that the *securities be quoted.
- If we are a trust, we warrant that no person has the right to return the ⁺securities to be quoted under section 1019B of the Corporations Act at the time that we request that the ⁺securities be quoted.
- We will indemnify ASX to the fullest extent permitted by law in respect of any claim, action or expense arising from or connected with any breach of the warranties in this agreement.
- We give ASX the information and documents required by this form. If any information or document is not available now, we will give it to ASX before ⁺quotation of the ⁺securities begins. We acknowledge that ASX is relying on the information and documents. We warrant that they are (will be) true and complete.

Sign here: Date: 6 December 2018

Company Secretary

Print name: Thomas Spencer

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⁺ See chapter 19 for defined terms.

Appendix 3B – Annexure 1

Calculation of placement capacity under rule 7.1 and rule 7.1A for eligible entities

Introduced 01/08/12 Amended 04/03/13

Part 1

Rule 7.1 – Issues exceeding 15% of capital		
Step 1: Calculate "A", the base figure from which the placement capacity is calculated		
Insert number of fully paid +ordinary securities on issue 12 months before the +issue date or date of agreement to issue	73,580,592	
Add the following:		
Number of fully paid ⁺ ordinary securities issued in that 12 month period under an exception in rule 7.2		
Number of fully paid ⁺ ordinary securities issued in that 12 month period with shareholder approval		
Number of partly paid ⁺ ordinary securities that became fully paid in that 12 month period		
 Note: Include only ordinary securities here – other classes of equity securities cannot be added Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed It may be useful to set out issues of securities on different dates as separate line items 		
Subtract the number of fully paid ⁺ ordinary securities cancelled during that 12 month period	Nil	
"A"	73,580,592	

⁺ See chapter 19 for defined terms.

Step 2: Calculate 15% of "A"			
"B"	0.15		
	[Note: this value cannot be changed]		
Multiply "A" by 0.15	11,037,088		
Step 3: Calculate "C", the amount of 7.1 that has already been used	of placement capacity under rule		
Insert number of *equity securities issued or agreed to be issued in that 12 month period not counting those issued:	Nil		
Under an exception in rule 7.2			
Under rule 7.1A			
 With security holder approval under rule 7.1 or rule 7.4 			
 Note: This applies to equity securities, unless specifically excluded – not just ordinary securities Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed It may be useful to set out issues of securities on different dates as separate line items 			
"C"	Nil		
Step 4: Subtract "C" from ["A" x "B"] to calculate remaining placement capacity under rule 7.1			
"A" x 0.15	11,037,088		
Note: number must be same as shown in Step 2			
Subtract "C"	Nil		
Note: number must be same as shown in Step 3			
Total ["A" x 0.15] – "C"	11,037,088		
	[Note: this is the remaining placement capacity under rule 7.1]		

⁺ See chapter 19 for defined terms.

Part 2

Rule 7.1A – Additional placem	ent capacity for eligible entities	
Step 1: Calculate "A", the base figure from which the placement capacity is calculated		
"A"	73,580,592	
Note: number must be same as shown in Step 1 of Part 1		
Step 2: Calculate 10% of "A"		
"D"	0.10	
	Note: this value cannot be changed	
Multiply "A" by 0.10	7,358,059	
7.1A that has already been used Insert number of +equity securities issued or agreed to be issued in that 12 month period under rule 7.1A	Nil	
 Notes: This applies to equity securities – not just ordinary securities Include here – if applicable – the securities the subject of the Appendix 3B to which this form is annexed Do not include equity securities issued under rule 7.1 (they must be dealt with in Part 1), or for which specific security holder approval has been obtained It may be useful to set out issues of securities on different dates as separate line items 		
"E"	Nil	

⁺ See chapter 19 for defined terms.

Step 4: Subtract "E" from ["A" x "D"] to calculate remaining placement capacity under rule 7.1A		
"A" x 0.10	7,358,059	
Note: number must be same as shown in Step 2		
Subtract "E"	Nil	
Note: number must be same as shown in Step 3		
Total ["A" x 0.10] – "E"	7,358,059	
	Note: this is the remaining placement capacity under rule 7.1A	