

# Challenger Ltd (CGF.AX)

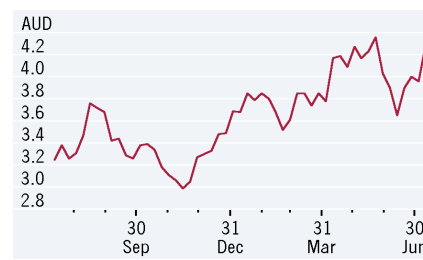
## Spread stability important with book growth likely slowing

- **Positive mark to market, keep Neutral** — We lift our FY13E core EPS by 7.4% to 75.3cps due to mark to market changes. Given fixed interest spreads have moved in different ways in 2H13, depending on risk grading, the market adjustment probably has more room for error than usual but we calculate a positive adjustment of A\$27m after tax for 2H13E overall. The stock continues to trade on a low p/e multiple and looks vulnerable to positive catalysts but we struggle to identify a major one just yet.
- **But no change to normalised EPS** — Our FY13E normalised EPS remains 56.4cps.
- **Forecasting further Life spread contraction ...** — We forecast a slowing in the rate of decline in spread in 2H13 to 9bps from the close to 30bps 1H13 vs. 2H12. However, with lower cash rates likely pressurising earnings on the estimated ~A\$1.5bn of shareholders' funds, the NIM bond continuing to run-off and the run-off of ~A\$300m of higher spread products scheduled for March 2014, we continue to forecast further contraction in FY14E.
- **... but could Life spreads stabilise sooner than we think?** — Potentially offsetting some of our concerns, Challenger recently suggested there were plenty of investment opportunities for it to earn a reasonable return, e.g. its recent Federation Centres deal. We therefore see some risk Challenger may be able to provide some evidence that it can stabilise spreads earlier than our analysis suggests.
- **Risk of slowing book growth in FY14E** — Challenger is likely to continue its move away from providing sales growth guidance, instead focusing more on retail book growth in future. With this targeted for 7.5% in FY13 and not too many obvious factors to materially increase it in FY14E, we would be surprised if the underlying growth rate accelerates much next year. This may mean that with a little ~A\$300m of run-off expected from the three-year term expiring in March 2014 on the annuity offered to investors previously in the High Yield Fund (reducing book growth by ~4% assuming no reinvestment), actual FY14E book growth is very subdued, possibly <5%.

### ■ Estimate Change

<b>Neutral</b>	<b>2</b>
Price (12 Jul 13)	A\$4.27
Target price	A\$4.10
Expected share price return	-4.0%
Expected dividend yield	4.6%
<b>Expected total return</b>	<b>0.6%</b>
Market Cap	A\$2,267M
	US\$2,083M

### Price Performance (RIC: CGF.AX, BB: CGF AU)



CGF.AU revisions (Y/E Jun)	2011A	2012A	2013E	2014E	2015E
Reported Profit (A\$m)	261.4	148.5	399.7	311.0	288.1
% revision	0.0%	0.0%	7.3%	0.0%	0.0%
Core Net Profit (A\$m)	219.3	148.5	399.7	311.0	288.1
% revision	0.0%	0.0%	7.3%	0.0%	0.0%
Core EPS (A¢)	42.5	27.8	75.3	60.0	55.2
% revision	0.0%	0.0%	7.4%	0.2%	0.2%
EPS Growth (%)	10.6	-34.5	170.5	-20.3	-7.9
PE Ratio (x)	10.0	15.3	5.7	7.1	7.7
DPS (A¢)	16.5	18.0	19.5	20.0	20.0
Dividend Yield (%)	3.9	4.2	4.6	4.7	4.7
Franking Rate (%)	0.0	0.0	0.0	0.0	20.0

Source: Company Reports and dataCentral, Citi Research.

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### See Appendix A-1 for Analyst Certification, Important Disclosures and non-US research analyst disclosures.

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CGF.AX: Fiscal year end 30-Jun						Price:\$4.27; TP:\$4.10; # Shares: 531m; Market Cap: A\$2267m; Recomm: Neutral					
Profit & Loss (A\$m)	2011	2012	2013E	2014E	2015E	Per share data	2011	2012	2013E	2014E	2015E
Sales revenue	814	890	924	969	1,024	Reported EPS (¢)	50.7	27.8	75.3	60.0	55.2
Cost of sales	-445	-502	-515	-545	-590	Core EPS (¢)	42.5	27.8	75.3	60.0	55.2
Gross profit	369	389	409	424	434	DPS (¢)	16.5	18.0	19.5	20.0	20.0
<b>EBITDA (Adj)</b>	<b>391</b>	<b>400</b>	<b>423</b>	<b>438</b>	<b>448</b>	CFPS (¢)	291.5	257.6	163.4	158.7	159.5
Depreciation	-6	-7	-10	-10	-10	BVPS (¢)	299.6	310.7	367.7	413.1	450.6
Amortisation	-16	-4	-4	-4	-4	Wtd avg ord shares (m)	479	517	527	514	508
<b>EBIT (Adj)</b>	<b>369</b>	<b>389</b>	<b>409</b>	<b>424</b>	<b>434</b>	Wtd avg diluted shares (m)	516	533	531	518	513
Net interest	-44	-198	134	-5	-5						
<b>Earnings before tax</b>	<b>325</b>	<b>190</b>	<b>543</b>	<b>419</b>	<b>429</b>	<b>Valuation ratios</b>	<b>2011</b>	<b>2012</b>	<b>2013E</b>	<b>2014E</b>	<b>2015E</b>
Tax Recurring	-51	9	-92	-55	-86	PE (x)	10.0	15.3	5.7	7.1	7.7
Non-op/Except/Extraord	-13	-50	-52	-53	-55	EV/EBIT (x)	-13.7	-16.2	-18.3	-19.9	-21.7
Minority interests	0	0	0	0	0	EV/EBITDA (x)	-12.9	-15.8	-17.7	-19.3	-21.1
Associates	0	0	0	0	0	FCF yield (%)	66.6	58.3	37.2	36.3	36.4
<b>Reported net profit</b>	<b>261</b>	<b>149</b>	<b>400</b>	<b>311</b>	<b>288</b>	Dividend yield (%)	3.9	4.2	4.6	4.7	4.7
Core NPAT	219	149	400	311	288	Payout ratio (%)	39	65	26	33	36
<b>Half year data (A\$m)</b>	<b>1H12</b>	<b>2H12</b>	<b>1H13</b>	<b>2H13E</b>	<b>1H14E</b>	<b>Growth rates</b>	<b>2011</b>	<b>2012</b>	<b>2013E</b>	<b>2014E</b>	<b>2015E</b>
Sales revenue	441	449	458	466	478	Sales revenue (%)	-6.5	9.4	3.8	4.8	5.7
EBIT (Adj)	186	203	203	206	208	EBIT (Adj) (%)	2.3	5.4	5.2	3.6	2.5
Core NPAT	20	129	222	178	152	Core NPAT (%)	4.7	-32.3	nm	-22.2	-7.4
Core EPS (¢)	3.8	23.8	41.5	33.8	29.2	Core EPS (%)	10.6	-34.5	nm	-20.3	-7.9
<b>Balance Sheet (A\$m)</b>	<b>2011</b>	<b>2012</b>	<b>2013E</b>	<b>2014E</b>	<b>2015E</b>	<b>Operating performance</b>	<b>2011</b>	<b>2012</b>	<b>2013E</b>	<b>2014E</b>	<b>2015E</b>
Cash & cash equiv.	404	426	808	965	1,077	Operating ROA (%)	2.5	1.4	3.5	2.5	2.2
Accounts receivables	0	0	0	0	0	Operating ROE (%)	15.5	9.3	21.9	15.1	12.8
Inventory	na	na	na	na	na	Operating ROIC (%)	57.9	55.2	42.5	58.8	64.3
Net fixed & other tangibles	375	531	430	380	330	Net debt to equity (%)	16.71	14.52	-6.67	-13.18	-16.75
Goodwill & intangibles	519	519	509	489	470	Debt to total capital (%)	30.5	28.4	25.8	24.0	22.6
Financial & other assets	8,143	9,581	10,132	10,969	11,852	Interest coverage (x)	9.0	2.0	na	87.5	89.6
<b>Total assets</b>	<b>9,440</b>	<b>11,058</b>	<b>11,879</b>	<b>12,804</b>	<b>13,729</b>	Tangible BVPS (A\$)	2.0	2.2	2.7	3.2	3.6
Accounts payable	282	239	279	297	313	P/Tangible BVPS (x)	2.19	1.98	1.57	1.34	1.19
Short-term debt	0	0	0	0	0	Market Cap to Funds Under	9.6	7.3	5.8	5.4	5.0
Long-term debt	652	672	678	681	684						
Provisions & other liab	7,018	8,454	8,970	9,668	10,389	<b>Segmental revenue (A\$m)</b>	<b>2011</b>	<b>2012</b>	<b>2013E</b>	<b>2014E</b>	<b>2015E</b>
<b>Total liabilities</b>	<b>7,952</b>	<b>9,366</b>	<b>9,927</b>	<b>10,646</b>	<b>11,386</b>	Mortgage Management (sold)	0	0	0	0	0
Shareholders' equity	1,488	1,692	1,952	2,158	2,342	Funds Management	62	66	72	76	80
Minority interests	0	0	0	0	0	Challenger Life Company	752	824	852	893	945
<b>Total equity</b>	<b>1,488</b>	<b>1,692</b>	<b>1,952</b>	<b>2,158</b>	<b>2,342</b>	Revenue - total segments	813.6	890.4	924.1	968.7	1,024.4
<b>Net debt</b>	<b>249</b>	<b>246</b>	<b>-130</b>	<b>-284</b>	<b>-392</b>	<b>Segmental EBIT (A\$m)</b>	<b>2011</b>	<b>2012</b>	<b>2013E</b>	<b>2014E</b>	<b>2015E</b>
<b>Cashflow (A\$m)</b>	<b>2011</b>	<b>2012</b>	<b>2013E</b>	<b>2014E</b>	<b>2015E</b>	Mortgage Management (sold)	0	0	0	0	0
EBITDA	391	400	423	438	448	Funds Management	20	21	28	32	35
Working capital	0	0	0	0	0	Financial Planning (sold)	0	0	0	0	0
Net interest paid	502	677	303	0	0	Challenger Life Company	349	368	381	392	399
Tax paid	2	-2	-2	0	0	Non-core	0	0	0	0	0
Other	608	299	143	385	375	Corporate Charges	-55	-50	-52	-53	-55
<b>Operating cashflow</b>	<b>1,504</b>	<b>1,374</b>	<b>867</b>	<b>823</b>	<b>823</b>	Goodwill writedown	0	0	0	0	0
Capex	-37	-46	-25	-20	-20	EBIT - total segments	314	338	357	371	379
Net acq/disposals	-1,124	-1,158	-318	0	0						
Other	1,630	1,595	745	0	0						
<b>Investing cashflow</b>	<b>469</b>	<b>391</b>	<b>402</b>	<b>-20</b>	<b>-20</b>						
Dividends paid	-75	-86	-107	-103	-104						
<b>Financing cashflow</b>	<b>-1,646</b>	<b>-1,621</b>	<b>-905</b>	<b>-103</b>	<b>-104</b>						
<b>Net change in cash</b>	<b>326</b>	<b>144</b>	<b>364</b>	<b>700</b>	<b>698</b>						
<b>Free cashflow to s/holders</b>	<b>1,467</b>	<b>1,328</b>	<b>842</b>	<b>803</b>	<b>803</b>						

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# The simple story

## On track to achieve FY13E guidance

Figure 1. Challenger's FY13E guidance on retail sales and book growth

Metric	Guidance at FY12	Guidance at 1H13	Guidance at 3Q13	Guidance at investor briefing in June 2013
Net retail liabilities target growth	A\$675m (~10%)	Lowered to A\$500m (~8%)	A\$500m (~8%) reiterated	~7.5%
Retail sales target growth	15% (sales of A\$2.25bn)	Sales of A\$2.1bn (growth guidance halved to 7.5%)	No additional comment from CGF	No additional comment on total retail sales target growth; guiding to ~A\$240 of Lifetime sales for FY13E
Life cash operating earnings	A\$440m to A\$450m	A\$440m to A\$450m (unchanged)	No additional comment from CGF	At upper end of A\$440m to A\$450m

Source: Company Reports

At its investor briefing in June, Challenger reiterated its FY13E target for Life CoE of between A\$440m and A\$450m, although indicated this would be at the upper end of guidance. We forecast Challenger slightly beating guidance, estimating A\$227m of Life normalised CoE in 2H13E and A\$452m in FY13E.

Challenger also highlighted retail book growth guidance of 7.5% for FY13E, equivalent to or perhaps a minor downgrade from its prior guidance of 8%.

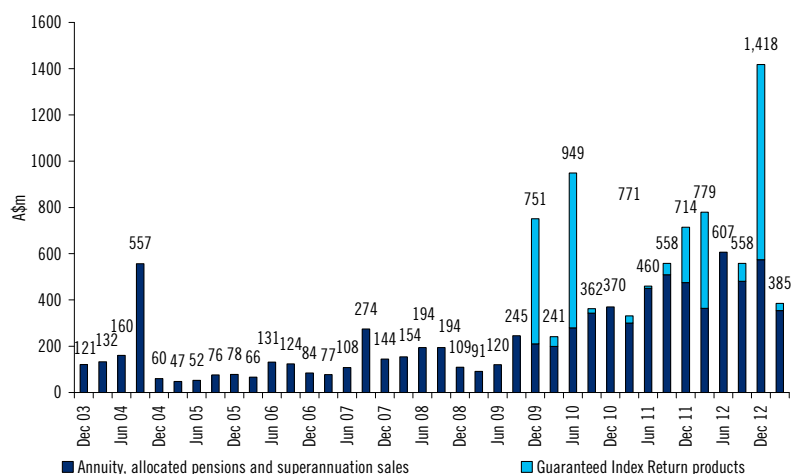
We forecast retail annuity sales of A\$675m for 4Q13E and A\$2.084bn for FY13E, consistent with sales guidance of A\$2.1bn provided at the 1H13 results, although we do see some risk in it achieving this. Despite the run-off of its retail book being difficult to forecast, we presume achievement of its targeted level of sales would enable Challenger to meet its revised net retail liabilities target growth.

## Small positive in investment experience

We estimate a small positive investment experience in 2H13, with 1H13 and 1H10 the only other periods showing a positive adjustment over the past five years. We forecast positive investment experience of A\$39m pre-tax (A\$27m after tax) for the second half, although note that the credit spread movements on its fixed income portfolio are particularly hard to forecast this period, with some indicators showing spreads blowing out and other showing spreads contracting.

## Focus on lifetime annuities aiding retail sales

Figure 2. Life product sales



Source: Company Reports

Given the lower interest rate environment must be making sales of fixed term annuities tougher, Challenger has supplemented these with the sale of Liquid Lifetime Annuities, although these are also potentially harder to sell as interest rates fall. Care Annuities sales are small so far but have also contributed and have the advantage of their sales being largely insensitive to interest rate moves.

There was a large drop in Challenger's fixed term annuity sales in the March quarter – down 17% vs. pcp – but we see Liquid Lifetime Annuities and Care Annuities as offering some offsetting growth potential in the near term. The sales of these annuities are, however, relatively small so far and while Challenger is guiding for 400% growth in these sales FY13 vs. FY12 to a level of A\$240m, this is still likely to represent only a little over 10% of its total sales.

Nonetheless, we expect Challenger to continue to grow the proportion of its retail sales from lifetime annuities, which should in time, lower run off and make it easier for Challenger to grow its retail liabilities in the medium to longer term. It should also enable investment in longer-dated assets, which earn increased illiquidity and risk premiums.

However, none of this suggests a material near-term acceleration in the rate of book growth over and above the ~7.5% targeted for FY13E. Consequently, with the roll off of the ~A\$300m in the annuity that replaced the high yield fund scheduled for March 2014 (potentially stripping ~4% off book growth) and with low likelihood much of this is reinvested, headline book growth could be below 5% in FY14E.

**Figure 3. Challenger's recent and implied 4Q13 projected retail annuities sales by category**

	2H12 A\$m	1H13 A\$m	3Q13 A\$m	Implied 4Q13E A\$m
Care	0	29	29	
Liquid lifetime	30	72	35	
<b>Total Lifetime</b>	<b>30</b>	<b>101</b>	<b>64</b>	<b>76</b>
Fixed term	941	954	290	615
<b>Total retail</b>	<b>971</b>	<b>1,055</b>	<b>354</b>	<b>691</b>

Source: Company Reports

### Deferred Lifetime Annuities growth potential for the long term

In time, we see potential for deferred lifetime annuity (DLAs) sales to boost Challenger's proportion of sales from longer term annuities. However, we believe DLAs are likely a longer-term source of sales growth for Challenger, at the earliest impacting FY15E revenues and, in our view, it will likely be at least FY16E before they become even modestly significant. The Federal Government's proposed extension of concessional tax treatment to DLAs could see these annuities become a lucrative area. However, it is still likely a while before legislation is passed, and in our view, even if all goes according to plan for the Government, it will be 1 July 2014 before the new rules for DLAs come through. A Coalition election victory could see this further delayed, not that they are opposed to DLAs per se, but because they may have other things of higher priority on their agenda. Furthermore, appeal to Australian consumers remains uncertain, suggesting to us it will be at least FY16E and possibly beyond before we see material revenues from DLAs.

### Downwards pressure on Life spreads seems likely to continue

Challenger's Life cash operating earnings (COE) spread fell 40bps to 4.53% in 1H13, and we expect it to fall further in 2H13E. We forecast a spread of 4.44% for the half, partly due to the RBA's cuts to the cash rate in December 2012 and May

2013, as well as lower yield enhancement from the NIM bond as it runs off. This results in a forecast of 4.48% for FY13E. Looking forward, in addition to the impact of ongoing run-off of the NIM bond, if market expectations of further reductions in cash rates in 1H14 are correct, we see the potential for further pressure on the Life COE spread.

**Figure 4. Estimated margin enhancement for Challenger Life from NIM bond (annualised)**

	1H13A	NIM bond deducted	1H13A adjusted
Investment yield	8.5%	30.8%	7.7%
Costs of funding (i.e. interest expense)	-4.5%	0.0%	-4.7%
Commissions & fees	-0.3%	0.0%	-0.3%
<b>Net investment income margin</b>	<b>3.7%</b>	<b>30.8%</b>	<b>2.7%</b>
Change			1.0%

Source: Company Reports and Citi Research Estimates

At its recent investor briefing, Challenger suggested there are still attractive opportunities for property and fixed interest investments for it to maintain Life spreads within its long term target range of 4% to 5%. Over the past several months, Challenger has seen relatively attractive risk premiums on property relative to historic levels. This likely contributed to it investing ~A\$600m in the Federation Centres shopping malls, a deal on which we understand the return was 7.4%. As such, for 4Q13, we are likely to see its weighting to property increase (due to the shopping mall investment), a marked change after increasing its asset allocation to fixed interest and cash over the past six years.

Challenger also argued there are opportunities for attractive returns from credit investments, for those groups with funding. It highlighted several recent opportunities in both corporate credit and ABS, where it suggests its returns on equity for these lending activates were in excess of 20%, aided by the sizeable margins over swap rates for the given level of credit risk. Refer to our note dated 16 June 2013, [Challenger Ltd \(CGF.AX\) - Long term story sounds good, but shorter term may be tougher](#) for more details on this.

### Forecasting slightly stronger funds management flows in 4Q

Funds management net inflows of A\$1.2bn were relatively strong for the March quarter, up 91% on pcp. With the June quarter a seasonally strong period for flows, we forecast A\$1.3bn of net inflows for the quarter, or A\$4.7bn of net inflows for FY13E. Despite continuing strength in Fidante's funds management flows, we continue to see the main issue as turning these into meaningful profit contribution.

**Figure 5. Funds Management net flows**

Analysis of flows	31 Mar 2012	31 Dec 2012	31 Mar 2013	Change vs. pcp	Change over quarter
	A\$m	A\$m	A\$m	%	%
Fidante Partners	614	2,110	1,176	91.5%	-44.3%
Aligned Investments	31	-323	56	80.6%	-117.3%
<b>Net flows</b>	<b>645</b>	<b>1,787</b>	<b>1,232</b>	<b>91.0%</b>	<b>-31.1%</b>

Source: Company Reports

## Earnings changes

We make the following changes to our earnings forecasts for Challenger:

**Figure 6. Changes to Citi EPS estimates for Challenger**

	FY13E			FY14E			FY15E		
	Old	New	Change	Old	New	Change	Old	New	Change
EPS (cents)	70.1	75.3	7.4%	59.9	60.0	0.2%	55.1	55.2	0.3%
Normalised EPS (cents)	56.3	56.3	0.0%	59.9	60.0	0.2%	55.1	55.2	0.3%

Source: Citi Research Forecasts

These changes are primarily the result of:

- Marking to market our Life forecasts to 30 June; and
- Marking to market our Funds Management FuM forecasts to 30 June.

Full details of our earnings forecasts can be found in our detailed financial summary towards the back of this note.

## Valuation and target price

Reflecting the changes to our forecasts above, our valuation stays at A\$4.35ps. Our current sum-of-the-parts valuation is shown in Figure 7 below:

**Figure 7. Citi spot valuation of Challenger**

Sum of parts valuation	A\$m	A\$ps
Funds Management	236	0.44
Life	2,487	4.69
Corporate net costs	-517	-0.97
Group net cash, post buyback	106	0.20
<b>Total value</b>	<b>2,311</b>	<b>4.35</b>
Shares on issue	531	
<b>Value per share</b>	<b>\$4.35</b>	

Source: Company Reports and Citi Research Estimates

We make no change to our target price, maintaining it at A\$4.10.

## Summary and recommendation

Our forecasts suggest Challenger is trading on a relatively inexpensive multiple and the realisation of positive catalysts could see the stock rise materially. However, at the moment, we see significant catalysts as hard to identify. While we expect it to meet, if not slightly beat, its Life COE guidance for FY13E, this is likely mostly already expected by the market. We also see some risk it will fail to achieve its FY13E book growth guidance which may have been marginally lowered (from 8% to 7.5%) at its investor briefing in June.

However, we see FY14E guidance as potentially more important, noting that our FY14E EPS forecasts already appear to be a little above consensus, which may have more to do with diluted share count than anything else. We see some risk that our FY14E Life spread contraction forecasts are too conservative, as although the

analysis we present in this report suggests forecasting a further narrowing is logical, there is the possibility that Challenger has been able to invest in assets that limit this to some degree. Even so, we feel it appropriate to be cautious for now, albeit we are already forecasting spread contraction in FY14E to be significantly lower than in FY13E.

However, just as we are slightly concerned that there may be upside risk to our Life spread forecasts, this is not certain and we are also concerned that we may be too optimistic on retail book growth. There looks little in the near term to materially accelerate book growth from the 7.5% targeted for FY13E. In time the lengthening duration of the book should help, but this is unlikely to have a significant near term impact. Liquid lifetime and Care annuities may add a little to sales, but are unlikely to be sufficient to offset the drag on sales from lower interest rates, while Deferred Lifetime Annuities are a much longer term proposition. This suggests that net of the run off of the annuity associated with the transfer of the High Yield Fund in March 2014, which we estimate being at least A\$300m, there is risk that book growth could be sub 5% in FY14E. This is lower than we currently forecast and presents downside risk to our FY14E estimates.

So even though Challenger looks to be trading on a low p/e multiple (we estimate the normalised FY13E multiple is 8.4x after adjusting for the ~A\$30m tax benefit) and therefore remains vulnerable to positive catalysts, including greater investor understanding and therefore less inherent scepticism, we still believe evidence of spread stability and some comfort over FY14E book growth are likely to be required for the stock to materially further advance. We therefore maintain our Neutral call, with no change to our A\$4.10 target price.



## Detailed financial summary

Figure 8. Detailed financial summary

Year ended 30 June									
Income statement - Statutory AIFRS (A\$m)	FY11A	1H12A	2H12A	FY12A	1H13A	2H13E	FY13E	FY14E	FY15E
Life	349	177	191	368	190	191	381	392	399
Funds Management	20	10	12	21	13	15	28	32	35
<b>Continuing normalised divisional EBIT</b>	<b>369</b>	<b>186</b>	<b>203</b>	<b>389</b>	<b>203</b>	<b>206</b>	<b>409</b>	<b>424</b>	<b>434</b>
Mortgage Management - sold	0	0	0	0	0	0	0	0	0
<b>Normalised divisional EBIT</b>	<b>369</b>	<b>186</b>	<b>203</b>	<b>389</b>	<b>203</b>	<b>206</b>	<b>409</b>	<b>424</b>	<b>434</b>
Interest payable on corporate debt / interest received	2	4	2	6	1	0	1	0	0
Net corporate costs (incl LTIP)	-60	-31	-29	-59	-28	-29	-57	-58	-60
<b>Normalised pre-tax profit</b>	<b>311</b>	<b>159</b>	<b>176</b>	<b>335</b>	<b>175</b>	<b>177</b>	<b>352</b>	<b>366</b>	<b>374</b>
Investment earnings market adjustment	-41	-145	-50	-195	100	39	139	0	0
<b>Pre-tax profit</b>	<b>270</b>	<b>14</b>	<b>126</b>	<b>140</b>	<b>275</b>	<b>216</b>	<b>491</b>	<b>366</b>	<b>374</b>
Tax expense on normalised profit	-63	-32	-6	-38	-26	-27	-53	-55	-86
Investment earnings market adjustment tax expense	12	38	9	47	-27	-12	-39	0	0
<b>Core earnings after tax</b>	<b>219</b>	<b>20</b>	<b>129</b>	<b>149</b>	<b>222</b>	<b>178</b>	<b>400</b>	<b>311</b>	<b>288</b>
One-off items (after tax):									
Restructuring	0	0	0	0	0	0	0	0	0
One off tax benefit	42	0	0	0	0	0	0	0	0
Acquisition of CKT									
<b>Total one-off items (after tax)</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Profit after tax and one offs</b>	<b>261</b>	<b>20</b>	<b>129</b>	<b>149</b>	<b>222</b>	<b>178</b>	<b>400</b>	<b>311</b>	<b>288</b>
<b>Normalised core profit after tax</b>	<b>248</b>	<b>127</b>	<b>170</b>	<b>297</b>	<b>149</b>	<b>150</b>	<b>299</b>	<b>311</b>	<b>288</b>
Core earnings used in diluted EPS calculation	219	20	129	149	222	178	400	311	283
Note: Pre-tax profit may differ to that displayed in the front of this note due to one-offs being excluded in these figures.									
Balance sheet (A\$m) - ex SPV, CDI and minorities	FY11A	1H12A	2H12A	FY12A	1H13A	2H13E	FY13E	FY14E	FY15E
Cash & receivables	404	564	426	426	517	808	808	965	1,077
Life investments	8,024	8,407	9,483	9,483	9,915	10,032	10,032	10,869	11,751
Property, plant & equipment	19	19	18	18	16	16	16	16	16
Goodwill	519	519	519	519	520	509	509	489	470
Other investment assets	44	38	7	7	8	8	8	8	9
Other assets	431	510	603	603	531	506	506	456	406
Tax assets	0	0	0	0	0	0	0	0	0
<b>Total assets</b>	<b>9,440</b>	<b>10,057</b>	<b>11,058</b>	<b>11,058</b>	<b>11,506</b>	<b>11,879</b>	<b>11,879</b>	<b>12,804</b>	<b>13,729</b>
Creditors & other liabilities	282	240	239	239	275	279	279	297	313
Policyholder & external unitholders' liabilities	6,946	7,512	8,404	8,404	8,597	8,839	8,839	9,537	10,258
Borrowings	652	640	672	672	676	678	678	681	684
Provisions	72	48	50	50	131	131	131	131	131
Other	0	0	0	0	0	1	0	0	0
<b>Total liabilities</b>	<b>7,952</b>	<b>8,439</b>	<b>9,366</b>	<b>9,366</b>	<b>9,679</b>	<b>9,928</b>	<b>9,928</b>	<b>10,647</b>	<b>11,387</b>
<b>Net assets</b>	<b>1,488</b>	<b>1,618</b>	<b>1,692</b>	<b>1,692</b>	<b>1,827</b>	<b>1,951</b>	<b>1,951</b>	<b>2,157</b>	<b>2,341</b>
Share capital	1,101	1,339	1,313	1,313	1,314	1,314	1,314	1,314	1,314
Reserves	180	97	109	109	33	33	33	33	33
Retained earnings	207	182	270	270	481	605	605	812	996
<b>Total shareholders' equity</b>	<b>1,488</b>	<b>1,618</b>	<b>1,692</b>	<b>1,692</b>	<b>1,827</b>	<b>1,952</b>	<b>1,952</b>	<b>2,158</b>	<b>2,342</b>
<b>Net tangible assets</b>	<b>970</b>	<b>1,099</b>	<b>1,173</b>	<b>1,173</b>	<b>1,308</b>	<b>1,443</b>	<b>1,443</b>	<b>1,669</b>	<b>1,872</b>

Source: Company Reports and Citi Research Estimates



Figure 9. Detailed financial summary

Divisional EBIT	FY11A	1H12A	2H12A	FY12A	1H13A	2H13E	FY13E	FY14E	FY15E
<b>Life</b>									
Cash spread earnings	355	189	203	392	207	209	415	431	444
Normalised capital growth	46	22	22	44	19	18	37	37	36
<b>Life cash operating earnings ("CoE")</b>	<b>401</b>	<b>211</b>	<b>225</b>	<b>436</b>	<b>225</b>	<b>227</b>	<b>452</b>	<b>468</b>	<b>480</b>
Personnel expenses	-28	-19	-19	-37	-20	-20	-40	-43	-46
Other expenses	-24	-15	-15	-31	-16	-16	-31	-33	-35
<b>Normalised EBIT</b>	<b>349</b>	<b>177</b>	<b>191</b>	<b>368</b>	<b>190</b>	<b>191</b>	<b>381</b>	<b>392</b>	<b>399</b>
<b>Funds Management</b>									
Boutique income	22	11	12	23	14	16	30	35	39
Equity accounted profits	8	3	6	9	5	5	10	12	14
<b>Boutique net income</b>	<b>30</b>	<b>15</b>	<b>18</b>	<b>32</b>	<b>19</b>	<b>21</b>	<b>40</b>	<b>48</b>	<b>53</b>
Net management fees	49	21	22	43	22	20	42	40	41
Transaction and performance fees	10	4	4	8	5	4	9	10	11
<b>Aligned net income</b>	<b>59</b>	<b>25</b>	<b>26</b>	<b>51</b>	<b>26</b>	<b>25</b>	<b>51</b>	<b>50</b>	<b>52</b>
<b>Total net income</b>	<b>88</b>	<b>40</b>	<b>43</b>	<b>83</b>	<b>45</b>	<b>46</b>	<b>91</b>	<b>98</b>	<b>105</b>
Employee & other expenses	-68	-30	-32	-62	-32	-31	-63	-66	-70
<b>Normalised EBIT</b>	<b>20</b>	<b>10</b>	<b>12</b>	<b>21</b>	<b>13</b>	<b>15</b>	<b>28</b>	<b>32</b>	<b>35</b>
<b>Performance summary (A\$m)</b>	<b>FY11A</b>	<b>1H12A</b>	<b>2H12A</b>	<b>FY12A</b>	<b>1H13E</b>	<b>2H13E</b>	<b>FY13E</b>	<b>FY14E</b>	<b>FY15E</b>
<b>Based on reported statutory profit after tax</b>									
Basic EPS (¢)	54.5	4.0	24.1	28.8	41.8	34.0	75.9	60.5	56.6
PER (x)	7.8	53.4	8.8	14.9	5.1	6.3	5.6	7.1	7.5
Fully diluted EPS (¢)	50.7	3.8	23.8	27.8	41.5	33.8	75.3	60.0	56.2
PER (x)	8.4	56.2	9.0	15.3	5.1	6.3	5.7	7.1	7.6
Growth over pcg (%)	-2%	-84%	-13%	-45%	993%	42%	170%	-20%	-6%
<b>Based on statutory core earnings after tax</b>									
Basic EPS (¢)	42.5	3.8	23.8	27.8	41.5	33.8	75.3	60.0	56.2
PER (x)	10.0	56.2	9.0	15.3	5.1	6.3	5.7	7.1	7.6
<b>Fully diluted EPS (¢)</b>	<b>42.5</b>	<b>3.8</b>	<b>23.8</b>	<b>27.8</b>	<b>41.5</b>	<b>33.8</b>	<b>75.3</b>	<b>60.0</b>	<b>55.2</b>
PER (x)	10.0	56.2	9.0	15.3	5.1	6.3	5.7	7.1	7.7
Growth over pcg (%)	11%	-84%	22%	-35%	993%	42%	170%	-20%	-8%
PE Rel (All Ords.) (x)	0.8	4.4	0.7	1.2	0.4	0.5	0.4	0.6	0.6
<b>Based on normalised core earnings after tax</b>									
<b>Fully diluted EPS (¢)</b>	<b>48.1</b>	<b>24.1</b>	<b>31.5</b>	<b>55.7</b>	<b>27.8</b>	<b>28.6</b>	<b>56.4</b>	<b>60.0</b>	<b>55.2</b>
PER (x)	8.9	8.9	6.8	7.7	7.7	7.5	7.6	7.1	7.7
Growth over pcg (%)	11%	2%	29%	16%	16%	-9%	1%	6%	-8%
<b>Dividend data</b>	<b>FY11A</b>	<b>1H12A</b>	<b>2H12A</b>	<b>FY12A</b>	<b>1H13A</b>	<b>2H13E</b>	<b>FY13E</b>	<b>FY14E</b>	<b>FY15E</b>
DPS (¢)	16.5	7.5	10.5	18.0	9.5	10.0	19.5	20.0	20.0
Yield (%)	3.9%	1.8%	2.5%	4.2%	2.2%	2.3%	4.6%	4.7%	4.7%
Franking (%)	0%	0%	0%	0%	0%	0%	0%	0%	20%
Payout ratio (%)	31%	207%	45%	126%	23%	30%	26%	34%	36%
Group cost to income ratio	36.5%	37.3%	34.5%	35.9%	34.8%	34.6%	34.7%	34.8%	35.6%

Source: Company Reports and Citi Research Estimates

Figure 10. Detailed financial summary

Stock information									
Recommendation						Neutral			
Market cap. (A\$m)						2,300			
Market cap. (US\$m)				USD:AUD	0.92	2,108			
Current price (A\$ per share)						\$4.27			
Average daily volume (m shares)						2.793			
Valuation data									
Citi valuation per share						\$4.35			
Valuation									
Sum of parts valuation						A\$m		A\$ps	
Funds Management						236		0.44	
Life						2,487		4.69	
Corporate net costs						-517		-0.97	
Group net cash, post buyback						106		0.20	
Shares on issue						531			
Value per share						\$4.35			
Gearing % (excludes non-recourse debt)									
	FY11A	1H12A	2H12A	FY12A	1H13A	2H13E	FY13E	FY14E	FY15E
Debt/(debt + equity)	24.5%	22.2%	21.0%	21.0%	20.5%	19.5%	19.5%	18.0%	16.8%
Net debt/ (net debt + equity)	20.7%	13.5%	17.4%	17.4%	15.6%	3.2%	3.2%	-2.4%	-5.3%
Price to book/NTA									
	FY11A	1H12A	2H12A	FY12A	1H13A	2H13E	FY13E	FY14E	FY15E
Price to book (x)	1.4	1.5	1.4	1.4	1.3	1.2	1.2	1.0	0.9
Price to NTA (x)	2.2	2.1	2.0	2.0	1.8	1.6	1.6	1.3	1.2
Assets under management/administration (A\$m)									
	FY11A	1H12A	2H12A	FY12A	1H13A	2H13E	FY13E	FY14E	FY15E
Life assets backing annuity obligations	8,387	8,709	9,773	9,773	10,170	10,288	10,288	11,124	12,006
Boutique partnerships FuM	14,848	16,244	19,251	19,251	23,984	27,142	27,142	29,928	33,000
Aligned and other FuM	8,760	11,477	11,766	11,766	11,351	11,751	11,751	11,910	12,072
Total funds under management	23,608	27,721	31,017	31,017	35,335	38,892	38,892	41,838	45,072
Less double count	-4,086	-6,863	-7,361	-7,361	-7,221	-7,157	-7,157	-7,157	-7,157
Group AuM/administration	27,909	29,567	33,429	33,429	38,284	42,023	42,023	45,805	49,921
Shareholder information		Other							
Major Shareholders at 1 July 2013		DRP (discount):		No (No)					
NAB	5.5%	Index weightings							
Caledonia	5.3%	All Ords		0.2%					
UBS	5.0%	Diversified Financials		6.8%					
LSV Asset Management	5.2%	Insurance		3.7%					

Source: Company Reports and Citi Research Estimates

Figure 11. Detailed financial summary

Capital structure	FY11A	1H12A	2H12A	FY12A	1H13A	2H13E	FY13E	FY14E	FY15E
<b>No. shares on issue (m)</b>									
B/f no. of shares	499.6	496.7	552.2	496.7	544.7	538.7	544.7	530.9	522.4
Issue of shares for LTIP, CPP and CPH	14.8	65.0	0.0	65.0	0.0	2.0	2.0	4.0	4.0
Other (DRP and buyback)	-17.7	-9.5	-7.5	-17.0	-6.0	-9.8	-15.8	-12.5	-6.7
<b>C/f no. of shares</b>	<b>496.7</b>	<b>552.2</b>	<b>544.7</b>	<b>544.7</b>	<b>538.7</b>	<b>530.9</b>	<b>530.9</b>	<b>522.4</b>	<b>519.7</b>
Dilution for options/treasury shares	105.0	21.2	20.1	20.1	20.1	20.1	20.1	20.1	20.1
<b>Diluted shares on issue</b>	<b>601.7</b>	<b>573.4</b>	<b>564.8</b>	<b>564.8</b>	<b>558.8</b>	<b>551.0</b>	<b>551.0</b>	<b>542.5</b>	<b>539.8</b>
Weighted ave. basic	479.4	500.5	532.5	516.5	531.4	522.5	526.9	514.4	508.8
Weighted ave. diluted	515.8	526.8	539.6	533.3	535.0	526.5	530.7	518.4	512.8
<b>Consolidated profit and loss account (A\$m)</b>	<b>FY11A</b>	<b>1H12A</b>	<b>2H12A</b>	<b>FY12A</b>	<b>1H13A</b>	<b>2H13E</b>	<b>FY13E</b>	<b>FY14E</b>	<b>FY15E</b>
Normalised capital growth	46	22	22	44	19	18	37	37	36
<b>Normalised COE</b>	<b>401</b>	<b>211</b>	<b>225</b>	<b>436</b>	<b>225</b>	<b>227</b>	<b>452</b>	<b>468</b>	<b>480</b>
Net fee income	88	40	43	83	45	46	91	98	105
Other Income	5	5	4	9	3	3	6	5	5
<b>Net income</b>	<b>494</b>	<b>255</b>	<b>273</b>	<b>528</b>	<b>274</b>	<b>275</b>	<b>549</b>	<b>571</b>	<b>591</b>
<b>Expenses</b>									
Employee expenses	-124	-63	-66	-129	-65	-65	-131	-136	-144
Other expenses	-56	-32	-28	-60	-30	-31	-61	-64	-67
<b>Total expenses</b>	<b>-180</b>	<b>-95</b>	<b>-94</b>	<b>-189</b>	<b>-96</b>	<b>-96</b>	<b>-192</b>	<b>-200</b>	<b>-211</b>
<b>Normalised EBIT</b>	<b>314</b>	<b>160</b>	<b>178</b>	<b>338</b>	<b>178</b>	<b>179</b>	<b>357</b>	<b>371</b>	<b>379</b>
Interest expense / interest received	-3	-1	-2	-3	-3	-3	-5	-5	-5
Discontinued operations	0	0	0	0	0	0	0	0	0
<b>Normalised profit before tax</b>	<b>311</b>	<b>159</b>	<b>176</b>	<b>335</b>	<b>175</b>	<b>177</b>	<b>352</b>	<b>366</b>	<b>374</b>
Tax	-63	-32	-6	-38	-26	-27	-53	-55	-86
<b>Normalised profit after tax</b>	<b>248</b>	<b>127</b>	<b>170</b>	<b>297</b>	<b>149</b>	<b>150</b>	<b>299</b>	<b>311</b>	<b>288</b>
Investment experience	-29	-107	-42	-148	73	27	101	0	0
Significant items	42	0	0	0	0	0	0	0	0
<b>Net profit after tax</b>	<b>261</b>	<b>20</b>	<b>129</b>	<b>149</b>	<b>222</b>	<b>178</b>	<b>400</b>	<b>311</b>	<b>288</b>

Source: Company Reports and Citi Research Estimates

## Challenger Ltd

### Company description

Challenger was incorporated in 2003 and consists of the Challenger Life Company, representing the bulk of the group's earnings, and a small Funds Management division. Challenger Life specialises in annuities and other guaranteed products, with earnings based on investment spreads.

### Investment strategy

We rate Challenger Neutral (2). Challenger's main operating division, Challenger Life, has a business model that is unique in the industry - a spread business that has found a cheap source of funding through retirement income annuities, however current low yields are presenting headwinds slowing sales growth. Management is focused on expanding both products and distribution offered by the Life company. Challenger faces higher capital requirements from APRA's LAGIC proposals, although it has also obtained transitional arrangements from the regulator. The Funds Management business has significant operational leverage to markets and net flows.

### Valuation

We use several methods to arrive at our A\$4.10 target price. We use a sum-of-the-parts methodology to value the group overall. We set our target price at a discount to our 12-month roll-forward sum-of-the-parts valuation to reflect Challenger's lack of EPS momentum and potential headwinds from falling interest rates. We use a capitalised earnings approach to arrive at values for Challenger's operating divisions, making the adjustment for Challenger Life of deducting anticipated excess capital post LAGIC and the earnings associated with it, then adding it back at face value. We also use a capitalisation of earnings methodology to value the group.

### Risks

We highlight the following risks that could cause the share price to fail to reach or exceed our target price:

- The asset/liability mismatch in the Life business model is considerable. The interest of shareholders in this division is effectively that of a third-tier creditor, after obligations to annuitants and debt holders. Future demand for new annuities is uncertain given current regulatory and tax reviews.
- Pricing for higher capital requirements may make segments of Challenger's annuity product offerings uncompetitive with bank term deposits. This appears to be happening for the shortest duration annuities.
- Earnings in Funds Management are dependent on Funds under Management (FuM), which is impacted by equity market levels and volatility. Challenger is in the middle of transitioning this division's business model to a "house of boutiques".
- Longer term, we see sales potential from deferred lifetime annuities (DLAs), following the Federal Government's proposed tax concessions, although demand for DLAs at this stage is uncertain.

# Appendix A-1

## Analyst Certification

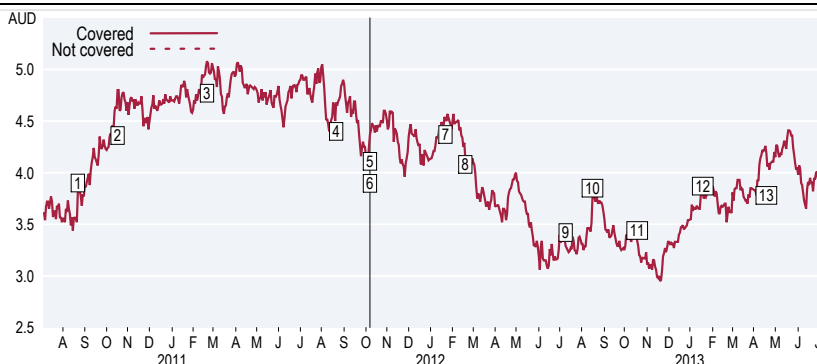
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## IMPORTANT DISCLOSURES

### Challenger Ltd (CGF.AX)

#### Ratings and Target Price History Fundamental Research

Analyst: Nigel Pittaway



	Date	Rating	Target Price	Closing Price
1	23-Aug-10	1H	*4.50	3.81
2	18-Oct-10	*2H	*5.00	4.80
3	21-Feb-11	2H	*5.35	5.08
4	22-Aug-11	*1H	*5.75	4.68
5	7-Oct-11	Stock rating system changed		

\* Indicates change

	Date	Rating	Target Price	Closing Price
6	7-Oct-11	*1	5.75	4.37
7	23-Jan-12	1	*5.45	4.52
8	20-Feb-12	*2	*4.40	4.14
9	10-Jul-12	2	*3.50	3.29
10	16-Aug-12	*1	*4.30	3.76

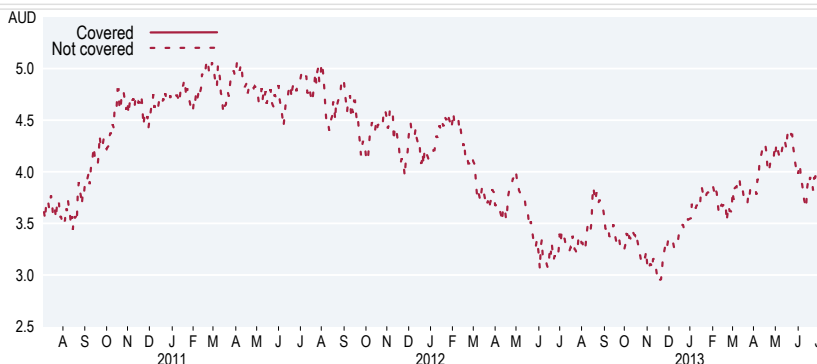
	Date	Rating	Target Price	Closing Price
11	18-Oct-12	*2	*3.50	3.34
12	18-Jan-13	2	*3.85	3.80
13	18-Apr-13	2	*4.10	4.19

Rating/target price changes above reflect Eastern Standard Time

### Challenger Ltd (CGF.AX)

#### Ratings and Target Price History Best Ideas Research Relative Call (3 Month)

Analyst: Nigel Pittaway



\* Indicates change

Rating/target price changes above reflect Eastern Standard Time

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Citigroup Global Markets Inc. or an affiliate received compensation for products and services other than investment banking services from Challenger Ltd in the past 12 months.

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#### Citi Research Equity Ratings Distribution

Data current as of 30 Jun 2013

Citi Research Global Fundamental Coverage

% of companies in each rating category that are investment banking clients

12 Month Rating			Relative Rating		
Buy	Hold	Sell	Buy	Hold	Sell
48%	40%	12%	6%	88%	6%
53%	50%	45%	58%	51%	49%

#### Guide to Citi Research Fundamental Research Investment Ratings:

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