

5 - Statement of Cash Flows

A cash flow statement is intended to disclose the information on actual movement of cash in the business during the financial year. It helps to assess the liquidity of the business and to judge the quality of profit earned by the business which can not be assessed from the Income statement (Trading, Profit and Loss account) and Balance Sheet.

The cash flow statement outlines the sources of cash received and specifies activities on which the cash was spent. It explains why business has overdrawn from the bank in a year although it has earned a good amount of profit.

The cash flow statement is a bridge between the two balance sheets and it explains in details the changes took place during the year.

Why is Cash flow Statement important?

The statement of cash flows tells you how much cash went into and out of a company during a specific time frame such as a quarter or a year. You may wonder why there's a need for such a statement because it sounds very similar to the income statement, which shows how much revenue came in and how many expenses went out.

The difference lies in a complex concept called accrual accounting. Accrual accounting requires companies to record revenues and expenses when transactions occur, not when cash is exchanged. While that explanation seems simple enough, it's a big mess in practice, and the statement of cash flows helps investors sort it out.

The statement of cash flows is very important to investors because it shows how much actual cash a company has generated. The income statement, on the other hand, often includes noncash revenues or expenses, which the statement of cash flows excludes.

One of the most important traits you should seek in a potential investment is the firm's ability to generate cash. Many companies have shown profits on the income statement but stumbled later because of insufficient cash flows. A good look at the statement of cash flows for those companies may have warned investors that rocky times were ahead.

The Three Elements of the Statement of Cash Flows Because companies can generate and use cash in several different ways, the statement of cash flows is separated into three sections: cash flows from operating activities, from investing activities, and from financing activities.

The cash flows from operating activities section shows how much cash the company generated from its core business, as opposed to other activities such as investing or borrowing. Investors should look closely at how much cash a firm generates from its operating activities because it paints the best picture of how well the business is producing cash that will ultimately benefit shareholders.

The cash flows from investing activities section shows the amount of cash firms spent on investments. Investments are usually classified as either capital expenditures--money spent on items such as new equipment or anything else needed to keep the business running--or monetary investments such as the purchase or sale of money market funds.

The cash flows from financing activities section includes any activities involved in transactions with the company's owners or debtors. For example, cash proceeds from new debt, or dividends paid to investors would be found in this section.

To summarize

The cash flow statement helps the shareholders, investors and others users in assessing

- * Company's ability to generate cash internally (operating activities) to meet its obligations and to pay dividends
- * The causes of changes in liquidity (cash inflows and outflows)
- * Whether the business can generate enough cash to service finance and pay taxes and also maintain its fixed assets
- * How much the business is relied on long term finance
- * How much cash has been raised externally
- * Indication of future cash flows for capital investments
- * Reconciles profitability with liquidity

What is the Difference between Cash budget and Cashflow statements?

Cash flow Statements	Cash Budgets
Based on Actual transactions	Based on Future estimates
Based on Strict format	Prepared as per company's policy
Published for external users eg Shareholders, lenders,	It is for managements internal use
It is required by law to make cash flow	No legal Requirement.

Cash Flow from Operating Activities

	\$	\$
Operating Profit (PBIT)		XXX
Adjustments		
Add back: Depreciation	XX	
Loss on Disposal	XX	
Increase in Provisions	XX	
Less: Gain on Disposal	(XX)	
Decrease in Provisions	(XX)	XXX
Working Capital Changes		
Increase in Inventory	(XX)	
Increase in Receivables	(XX)	
Increase in Payables	XX	XXX
Less: Interest Paid	XX	
Tax Paid	XX	(XXX)
Net Cash flow from / (Used) in Operating Activities		XXX

Cash flow from Investing Activities		
	\$	\$
Purchase of NCA / Other investments		(XXX)
Sale of NCA / Other investments		XXX
Dividends received from investments		XXX
Net Cash flow from / (Used) in Investing Activities		XXX

Cash flow from Financing Activities		
	\$	\$
Issue of Shares / Debentures		XXX
Redemption of Shares / Debentures		(XXX)
Dividend Paid		(XX)
Net Cash flow from / (Used) in Financing Activities		XXX

		\$
Net Increase / (Decrease) in Cash / Cash Equivalents		XX/(XX)
Cash / Cash Equivalents as at start of the year		XX/(XX)
Cash / Cash Equivalents as at end of the year		XXX/(XX)

Statement of Cash flows

Q1. Swamp Circus plc provides the following information:

Statements of financial position at

	31 March 2012			31 March 2011		
	\$000	\$000	\$000	\$000	\$000	\$000
Non-current assets						
Intangible						
Patents			220			180
Tangible						
Property			2 400			1 700
Equipment			<u>920</u>			<u>610</u>
			<u>3 540</u>			<u>2 490</u>
Current assets						
Inventory		480			509	
Trade receivables		611			569	
Cash and cash equivalents		<u>79</u>			<u>-</u>	
		<u>1 170</u>			<u>1 078</u>	
Current liabilities						
Trade payables	512			501		
Other payables	76			54		
Taxation	220			195		
Cash and cash equivalents	<u>-</u>	<u>808</u>		<u>71</u>	<u>821</u>	
			<u>362</u>			<u>257</u>
			<u>3 902</u>			<u>2 747</u>
Non-current liabilities						
Debentures			<u>500</u>			<u>400</u>
			<u>3 402</u>			<u>2 347</u>
Equity						
Ordinary share capital			1 500			1 200
Revaluation reserve			700			-
General reserve			400			200
Retained earnings			<u>802</u>			<u>947</u>
			<u>3 402</u>			<u>2 347</u>

Income statement for the year ended 31 March 2012

	\$000
Profit from operations	636
Finance charges	<u>61</u>
	575
Taxation	<u>220</u>
Profit for the year attributable to equity holders	<u>355</u>

Additional information:

- 1 During the year the directors transferred \$200 000 to the general reserve and paid dividends of \$300 000.
- 2 At 31 March 2011 equipment had cost \$905 000 and was shown after the provision of \$295 000 depreciation. At 31 March 2012 equipment had cost \$1 240 000 and depreciation of \$320 000 had been provided.
- 3 During the year equipment which had cost \$172 000 was sold for \$90 000. Depreciation of \$101 000 had been provided on it.
- 4 Other payables include \$21 000 unpaid interest at 31 March 2012 and \$11 000 unpaid interest at 31 March 2011.
- 5 During the year an issue of both ordinary shares and debentures had taken place, and the property had been re-valued.

REQUIRED

- (a) Prepare a statement of changes in equity for the year ended 31 March 2012. [13]
- (b) Prepare a statement of cash flows in accordance with the provisions of IAS 7 for the year ended 31 March 2012. [21]
- (c) Describe the treatment of a proposed final dividend in the financial statements. Give the reason for this treatment. [4]
- (d) Name **one** item included in a statement of changes in equity which would not appear in a statement of recognised income and expenses. [2]

[Total: 40]

Q2. Smilbo Smaggins plc has been manufacturing cutlery for many years. It provided the following financial statements:

Statements of financial position at 30 April

	2012		2011	
	\$	\$	\$	\$
Non-current assets				
Plant and machinery		82 500		64 900
Office equipment		<u>34 519</u>		<u>38 355</u>
		117 019		103 255
Current assets				
Inventories	18 758		16 521	
Trade receivables	17 623		12 517	
Cash and cash equivalents	<u>27 754</u>		<u>6 459</u>	
		<u>64 135</u>		<u>35 497</u>
Total assets		181 154		138 752
Current liabilities				
Trade payables	22 758		18 654	
Taxation	<u>5 350</u>		<u>4 200</u>	
		28 108		22 854
Non-current liabilities				
4% Debentures 2020		<u>30 000</u>		<u>50 000</u>
Net assets		<u>123 046</u>		<u>65 898</u>
Equity				
Ordinary share capital	60 000		40 000	
Share premium	18 000		8 000	
Retained earnings	<u>45 046</u>		<u>17 898</u>	
		<u>123 046</u>		<u>65 898</u>

Income statement for the year ended 30 April 2012

	\$
Revenue	396 672
Cost of sales	<u>259 329</u>
Gross profit	137 343
Distribution costs	32 357
Administrative expenses	<u>70 438</u>
Profit from operations	34 548
Finance costs	<u>1 600</u>
Profit before taxation	32 948
Taxation	<u>5 800</u>
Profit attributable to equity holders	<u>27 148</u>

Additional information:

- 1 The debentures were redeemed at par.
- 2 Plant and machinery costing \$27 500 was sold during the year for \$10 000. It had been depreciated by \$19 600.
- 3 Additional machinery was purchased at a cost of \$35 000. There is no depreciation charge in the year of acquisition.
- 4 There were no acquisitions or disposals of office equipment during the year.

REQUIRED

- (a) Prepare a statement to show the net cash flow from operating activities. [16]
- (b) Prepare a statement of cash flows for the year ended 30 April 2012 in accordance with IAS 7. [13]

Q3. The following are the summarized Statement of Financial position for Power plc as at 31 March.

	2007		2008	
	\$	\$	\$	\$
Non Current Assets				
Premesis		1 500 000		2 200 000
Machinery		620 000		740 000
Motor vehicles		240 000		215 000
		<u>2 360 000</u>		<u>3 155 000</u>
Current assets				
Inventory	78 000		84 000	
Trade Receivables	56 000		66 000	
Bank	28 000		17 000	
	<u>162 000</u>		<u>167 000</u>	
Trade Payables due in less than one year				
Trade Payables	42 000		78 000	
Corporation tax	38 000		--	
Bills Owing	56 000		68 000	
	<u>136 000</u>		<u>146 000</u>	

Net Current assets	26 000	21 000
Total assets less Current liabilities	2 386 000	3 176 000
Capital and reserves		
\$1 Ordinary share	1800 000	2 300 000
Share premium	300 000	120 000
Revaluation reserve	--	700 000
General reserve	10 000	10 000
Profit and loss	276 000	46 000
	2 386 000	3 176 000

Additional information:

- (a) In January 2008 machinery costing \$165 000 had been purchased. There were no disposals of machinery during the financial year.
- (b) A motor vehicle with a book value of \$20 000 had been sold during November 2007 for \$3000. This had been immediately replaced by a new motor vehicle costing \$12 000.
- (c) An interim dividend of \$13 000 was paid in October 2007.
- (d) Premises were revalued in August 2007.
- (e) In June 2007 there was a bonus share of on Ordinary share for every ten held at 31 March 2007. This was affected by using part of the Share premium.

REQUIRED:

- (a) The cash flow statement in accordance with good accounting practice for the year ended 31 March 2008.

Q4. The directors of Khan plc provided the following information:

Statement of Financial position at	30 June 2007		30 June 2008	
	\$ 000	\$ 000	\$ 000	\$ 000
Tangible Non-Current Assets				
Freehold land and buildings (note 1)		960		1225
Plant and machinery (note 2)		490		652
Vehicles (note 3)		265		239
Investments		<u>90</u>		<u>120</u>
		1805		2236
Current assets				
Inventory	453		597	
Trade Receivables	181		165	
Bank balance	<u>46</u>		<u>--</u>	
	680		762	
Trade Payables: amounts falling due in less than one year				
Trade Payables	(203)		(186)	
Bank overdraft	--		(39)	
Expense Owings	(69)		(52)	
Taxation	<u>(220)</u>	<u>188</u>	<u>(60)</u>	<u>425</u>
		1993		2661
Trade Payables: amounts falling due in more than one year				
8% debentures (2008) (note 4)		(450)		--
9% debentures (2033)		--		<u>(500)</u>
		<u>1543</u>		<u>2161</u>
Share capital and reserves				
Ordinary share of \$ 0.50 each fully paid (note 5)	650		950	
6% redeemable Preference share (note 6)	400		--	
Share premium account	300		580	
Revaluation reserve	--		290	
Profit and loss account	<u>193</u>		<u>341</u>	
	1543		2161	

Notes to the Statement of Financial position

Note 1

	30 June 2007	30 June 2008
Freehold land and buildings	\$ 000	\$ 000
Cost	1200	--
Valuation	--	1250
Accumulated depreciation	<u>240</u>	<u>25</u>
Net book value	<u>960</u>	<u>1225</u>

During the year ended 30 June 2008 the freehold land and buildings were revalued at \$ 1 250 000. There were no disposals of freehold land or buildings during the year.

Note 2

	30 June 2007	30 June 2008
Plant and machinery	\$ 000	\$ 000
Cost	769	981
Depreciation	<u>279</u>	<u>329</u>
Net book value	<u>490</u>	<u>652</u>

There were no disposals of plant or machinery during the year.

Note 3

	30 June 2007	30 June 2008
Vehicles	\$ 000	\$ 000
Cost	425	?
Depreciation	<u>160</u>	<u>?</u>
Net book value	<u>265</u>	<u>239</u>

During the year ended 30 June 2008 vehicles costing \$ 124 000 were sold for \$ 18 000. The accumulated depreciation on these vehicles to 30 June 2007 amounted to \$ 110 000. Vehicles costing \$ 218 000 were purchased during the year.

Note 4

The 8% debentures (2008) were redeemed on 30 June 2008. They had originally been issued on 1 July 1993. An issue of \$ 500 000 9% debentures was made on 1 July 2007.

Note 5

600 000 Ordinary share of \$ 0.50 each were issued at \$ 1 each on 16 June 2008; all monies due were received by 30 June 2008.

Note 6

The proceeds of the Ordinary share issue were used to redeem the redeemable Preference share on 30 June 2008 at a premium of \$ 0.05. The Preference shares were originally issued at \$ 1.10 each. A final dividend of \$ 24 000 on the Preference shares was paid on that date.

Additional information:

Final Dividend of \$45000 for the year ended 30 June 2007 paid on 31 October 2007.

An interim ordinary dividend of \$ 34 000 was paid on 11 February 2008.

Final Dividend of \$54000 for the year ended 30 June 2008 is to be paid next year.

REQUIRED:

- Calculate the company's trading profit before interest and tax for the year ended 30 June 2008.
- Prepare a cash flow statement for the year ended 30 June 2008 in accordance with current accounting practice.

Q5. Hyung Ltd has the following statements of financial position

	At 31 March 2012	At 31 March 2011
	\$000	\$000
Non-current assets (note 1)	1 700	1 260
Current assets		
Inventories	108	82
Trade receivables	90	72
Cash and cash equivalents	<u>—</u>	<u>174</u>
	198	<u>328</u>
Current liabilities		
Trade payables	52	108
Cash and cash equivalents	<u>41</u>	<u>—</u>
	93	108
	<u>105</u>	<u>220</u>
Total assets less current liabilities	1 805	1 480
Non-current liabilities		
8% Debentures 2010-2020	<u>120</u>	<u>200</u>
	<u>1 685</u>	<u>1 280</u>
Equity and reserves		
Ordinary shares of \$1 fully paid	1 400	1 000
Share premium	70	50
General reserve	200	200
Retained profits	<u>15</u>	<u>30</u>
	<u>1 685</u>	<u>1 280</u>

Notes

1. Non-current assets

	Freehold Property	Motor Vehicles	Total
	\$000	\$000	\$000
At cost			
At 31 March 2011	2 000	370	2 370
Additions		808	808
Disposals		<u>(240)</u>	<u>(240)</u>
At 31 March 2012	<u>2 000</u>	<u>938</u>	<u>2 938</u>
Provisions for depreciation			
At 31 March 2011	910	200	1 110
Disposals	-	(108)	(108)
Charge for the year	<u>100</u>	<u>136</u>	<u>236</u>
At 31 March 2012	<u>1 010</u>	<u>228</u>	<u>1 238</u>
Net book value at 31 March 2011	<u>1 090</u>	<u>170</u>	<u>1 260</u>
Net book value at 31 March 2012	<u>990</u>	<u>710</u>	<u>1 700</u>

2. Proceeds from the sale of fixed assets

	\$
Motor Vehicles	130,000

3. No dividends were paid during the year.

REQUIRED

(a) Prepare, in accordance with IAS 7, a statement of cash flows for the year ended 31 March 2012.

125
[24]

(b) Explain the difference between cash and profit.

125
[2]

Q6. The directors of Hank Limited provide the following statements of financial position at 31 March:

	2016 \$000	2015 \$000
Assets		
Non-current assets (net book value)	<u>259</u>	<u>224</u>
Current assets		
Inventories	128	102
Trade receivables	132	118
Cash and cash equivalents	<u>—</u>	<u>14</u>
	<u>260</u>	<u>234</u>
Total assets	<u>519</u>	<u>458</u>
Equity and Liabilities		
Equity		
Share capital	210	180
Share premium	15	—
Retained earnings	<u>107</u>	<u>131</u>
	<u>332</u>	<u>311</u>
Non-current liabilities		
Bank loan (repayable 2020)	<u>42</u>	<u>20</u>
Current liabilities		
Trade payables	102	109
Bank overdraft	23	—
Other payables – taxation	<u>20</u>	<u>18</u>
	<u>145</u>	<u>127</u>
Total equity and liabilities	<u>519</u>	<u>458</u>

Additional information

The following information relates to the year ended 31 March 2016:

- 1 The profit from operations was \$30 000.
- 2 During the year non-current assets with a cost of \$24 000 and accumulated depreciation of \$19 000 were sold for \$8000.
- 3 The depreciation charge for the year was \$12 000. All non-current assets held at the end of the financial year are depreciated over 25 years using the straight-line method.
- 4 Interest paid for the year was \$9000.
- 5 Dividends paid during the year were \$25 000. A dividend of \$30 000 had been proposed at the end of the year.
- 6 The taxation charge was \$20 000.

REQUIRED

- (a) Explain the difference between a statement of cash flows and a cash budget. [2]
- (b) Prepare a statement of cash flows for Hank Limited for the year ended 31 March 2016 in accordance with IAS 7. [10]
- (c) Explain with reference to the statement of cash flows whether Hank Limited has a strong or a weak cash position. [4]
- (d) Prepare a summarised schedule of non-current assets as it would appear as a note in the published accounts for the year ended 31 March 2016. [5]
- (e) Advise the directors whether or not they should apply the International Accounting Standards when preparing the published accounts. Justify your answer. [4]

[Total: 25]

- Q7.** The following extract from the income statement has been prepared for Asteroid plc for the year ended 30 June 2014.

	\$000
Revenue	11 735
Cost of sales	<u>(5 872)</u>
Gross profit	5 863
Dividends received	750
Gain on disposal of non-current asset	395
Distribution costs	<u>(2 138)</u>
Administrative expenses	<u>(1 574)</u>
Profit from operations	<u>3 296</u>

On 1 May 2014 the directors issued \$5 625 000 8% debentures redeemable in 2022.

The estimated tax liability for the year was \$782 000.

REQUIRED

- (a) Calculate the finance costs which would be entered in the income statement. [3]
- (b) Calculate the profit before taxation and profit attributable to equity holders. [2]

Additional information

The last two statements of financial position were as follows:

Statement of financial position at 30 June

	2014 \$000	2013 \$000
Assets		
Non-current assets		
Property, plant and equipment (net book value)	<u>19 735</u>	<u>10 509</u>
	<u>19 735</u>	<u>10 509</u>
Current assets		
Inventories	2 048	1 659
Trade receivables	1 562	1 158
Cash and cash equivalents	454	
	<u>4 064</u>	<u>2 817</u>
Total assets	<u>23 799</u>	<u>13 326</u>
Equity and Liabilities		
Equity		
Ordinary share capital (\$1)	4 000	3 000
Share premium	2 000	1 500
Retained earnings	<u>9 627</u>	<u>7 338</u>
Total equity	<u>15 627</u>	<u>11 838</u>

Non-current liabilities		
8% Debentures (2022)	<u>5 625</u>	<u>-</u>
Current liabilities		
Trade payables	1 735	796
Taxation	812	609
Bank overdraft	<u>83</u>	<u>83</u>
	<u>2 547</u>	<u>1 488</u>
Total liabilities	<u>8 172</u>	<u>1 488</u>
Total equity and liabilities	<u>23 799</u>	<u>13 326</u>

Other information is as follows:

- 1 During the year the company paid total dividends of \$150 000.
- 2 During the year property, plant and equipment costing \$840 000 was sold. The accumulated depreciation on this property, plant and equipment was \$715 000.
- 3 The total depreciation charge for the year was \$2 050 000.

REQUIRED

- (c) Prepare a statement to show the net cash from operating activities for the year ended 30 June 2014. [12]
- (d) Prepare a statement of cash flows for the year ended 30 June 2014 in accordance with IAS 7. [16]

Q8. The financial statements of Hollywood are given below.

Statements of financial position at: 30 September 30 September

	20X3		20X2	
	\$000	\$000	\$000	\$000
Non-current tangible assets:		634		510
Current assets:				
Inventory	420		460	
Trade receivables	390		320	
Interest receivable	4		9	
Investments	50		0	
Cash in bank	75		0	
Cash in hand	7		5	
		<u>946</u>		<u>794</u>
Total assets		<u>1,580</u>		<u>1,304</u>
Capital and reserves:				
Ordinary shares \$0.50 each	363		300	
Share premium	89		92	
Revaluation reserve	50		0	
Retained profits	63		(70)	
		<u>565</u>		<u>322</u>
Non-current liabilities:				
10% loan notes	0		40	
5% loan notes	329		349	
		<u>329</u>		<u>389</u>

Current liabilities:

Bank overdraft	0	70
Trade payables	550	400
Income tax	100	90
Accruals	36	33

686

593

1,580

1,304

Income statement for the year to 30 September 20X3

	\$000	\$000
Revenue		2,900
Cost of sales		(1,734)
Gross profit		1,166
Administrative expenses	342	
Distribution costs	520	
	<hr/>	(862)
Profit from operations		304
Income from investments	5	
Finance cost	(19)	
	<hr/>	(14)
Profit before tax		290
Income tax expense		(104)
Net profit for the period		186

Hollywood - Other comprehensive income for the year ended 30 September 20X3

	\$000
Profit for the year	186
Other comprehensive income	
Gain on property revaluation	50
Total comprehensive income for the year	<u>236</u>

Additional information:

- (1) On 1 October 20X2, Hollywood issued 60,000 \$0.50 ordinary shares at a premium of 100%. The proceeds were used to finance the purchase and cancellation of all its 10% loan notes and some of its 5% loan notes, both at par. A bonus issue of one for ten shares held was made on 1 November 20X2; all shares in issue qualified for the bonus.
- (2) The current asset investment was a 30-day government bond.
- (3) Non-current tangible assets include certain properties which were revalued in the year.
- (4) Non-current tangible assets disposed of in the year had a carrying value of \$75,000; cash received on disposal was \$98,000.
- (5) Depreciation charged for the year was \$87,000.
- (6) The accruals balance includes interest payable of \$33,000 at 30 September 20X2 and \$6,000 at 30 September 20X3.
- (7) Interim dividends paid during the year were \$53,000.

Prepare, for the year ended 30 September 20X3, a statement of cash flows using the indirect method and an analysis of cash and cash equivalents.