Reasons Why Fundamental Accounting Concept[1] Test Fails

Pass ALL TESTS

This document explains how an SEC XBRL financial filing conforms to all of the fundamental accounting concept rules. There are 3,863 SEC XBRL financial filings in this category, approximately 50.3% of all filers. This is a summary of the rules which is the unchangeable relations between fundamental accounting concepts which the vast majority of SEC XBRL financial filings conform to on a test-by-test basis and as just stated 50.3% of all filings conform to 100% of these fundamental accounting concept relations:

Balance sheet:

- **BS1**: Equity = Equity Attributable to Parent + Equity Attributable to Noncontrolling Interest
- **BS2**: Assets = Liabilities and Equity (the accounting equation[2])
- **BS3**: Assets = Current Assets + Noncurrent Assets *(classified balance sheet)*
- **BS4**: Liabilities = Current Liabilities + Noncurrent Liabilities *(classified balance sheet)*
- **BS5**: Liabilities and Equity = Liabilities + Commitments and Contingencies + Temporary Equity + Redeemable Noncontrolling Interest + Equity

Income statement:

- **IS1**: Gross Profit = Revenues - Cost Of Revenue *(Multi-step approach)*
- **IS2**: Operating Income (Loss) = Gross Profit - Operating Expenses + Other Operating Income *(Multi-step approach)*
- **IS3**: Income (Loss) from Continuing Operations Before Equity Method Investments = Operating Income (Loss) + Nonoperating Income (Loss) - Interest And Debt Expense
- **IS4**: Income (Loss) from Continuing Operations Before Tax = Income (Loss) from Continuing Operations Before Equity Method Investments + Income (Loss) from Equity Method Investments
- **IS5**: Income (Loss) from Continuing Operations after Tax = Income (Loss) from Continuing Operations Before Tax - Income Tax Expense (Benefit)
- **IS6**: Net Income (Loss) = Income (Loss) from Continuing Operations After Tax + Income (Loss) from Discontinued Operations, Net of Tax + Extraordinary Items, Gain (Loss)
- **IS7**: Net Income (Loss) = Net Income (Loss) Attributable to Parent + Net Income (Loss) Attributable to Noncontrolling Interest

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[1] For more information on the fundamental accounting concepts and the relations between these concepts please see http://fundamentalaccountingconcepts.wikispaces.com
[2] The accounting equation, http://en.wikipedia.org/wiki/Accounting_equation

- **IS8**: Net Income (Loss) Available to Common Stockholders, Basic = Net Income (Loss) Attributable to Parent - Preferred Stock Dividends and Other Adjustments

Statement of comprehensive income:

- **IS9**: Comprehensive Income (Loss) = Comprehensive Income (Loss) Attributable to Parent + Comprehensive Income (Loss) Attributable to Noncontrolling Interest
- **IS10**: Comprehensive Income (Loss) = Net Income (Loss) + Other Comprehensive Income (Loss)

Cash flow statement:

- **CF1**: Net Cash Flow = Net Cash Flows, Operating + Net Cash Flows, Investing + Net Cash Flows, Financing + Exchange Gains (Losses)
- **CF2**: Net Cash Flows, Continuing = Net Cash Flows, Operating, Continuing + Net Cash Flows, Investing, Continuing + Net Cash Flows, Financing, Continuing
- **CF3**: Net Cash Flows, Discontinued = Net Cash Flows, Operating, Discontinued + Net Cash Flows, Investing, Discontinued + Net Cash Flows, Financing, Discontinued
- **CF4**: Net Cash Flows, Operating = Net Cash Flows, Operating, Continuing + Net Cash Flows, Operating, Discontinued
- **CF5**: Net Cash Flows, Investing = Net Cash Flows, Investing, Continuing + Net Cash Flows, Investing, Discontinued
- **CF6**: Net Cash Flows, Financing = Net Cash Flows, Financing, Continuing + Net Cash Flows, Financing, Discontinued

Mappings

Because there are many concepts from the US GAAP XBRL Taxonomy which could be used and are being used to express one of the fundamental accounting concepts, to use an SEC XBRL financial filing information you need to map from the concepts used by SEC filers to fundamental accounting concepts. For example, the fundamental accounting concept "Liabilities and equity" could be expressed by the two US GAAP XBRL Taxonomy concepts: *us-gaap:LiabilitiesAndStockholdersEquity* or *us-gaap:LiabilitiesAndPartnersCapital*. The following is information about these mappings from the many US GAAP XBRL taxonomy concepts which could be used to express each fundamental accounting concept in human readable and machine readable formats:

- Excel: http://www.xbrlsite.com/2014/Reference/Mappings.zip
- Human readable: http://www.xbrlsite.com/2014/Reference/Mapping.pdf
- XML infoset: http://www.xbrlsite.com/2014/Protototype/ReportingFrameUsed/fac-MAP-to-US-GAAP-2014-A-infoset.xml
- **XBRL (MASTER)**: http://www.xbrlsite.com/2014/Protototype/ReportingFrameUsed/fac-MAP-to-US-GAAP-2014-A-definition.xml

Impute rules

Because some facts may, or may not, be explicitly reported by SEC filers it is necessary to impute or deduce these fundamental accounting concepts based on information which was reported. For example, not many SEC filers actually report the fact "Noncurrent assets". However, it is trivial to impute the value of noncurrent assets from facts which are generally always reported: Assets and Current assets. Noncurrent assets = Assets – Current assets (for a classified balance sheet only). When a concept is not explicitly reported an attempt is made to impute the unreported item by determining the value based on other values. For example, if Noncurrent assets is not reported but Assets and Current assets are reported; then Noncurrent assets can be imputed: Noncurrent assets = Assets – Current assets. This is human and machine readable impute rules:

- Impute rules: http://www.xbrlsite.com/2014/Prototype/ReportingFrameUsed/FundamentalAccountingConceptsImputeRules.txt

Prototype application for examining machine readability of information

This prototype application created using Excel (which uses older version which has hard-coded metadata) shows the process for reading an SEC XBRL financial filing. NOTE that this is an older version of mapping and impute rules, so results may vary, the point is to show the process:

http://www.xbrlsite.com/2014/Library/GetFundamentalAccountingConcepts-2014-08-27.zip

Other necessary preconditions generally always satisfied

There are other necessary preconditions which are not addressed to both simplify this discussion and because the vast majority of SEC XBRL financial filings meet all of these preconditions. These preconditions are:

- XBRL technical syntax must be correct for software to read the syntax (99.99% of SEC XBRL financial filings meet this criteria)
- Consistency with EDGAR filer Manual (EFM) rules (97.9% of SEC filings conform to all of these EFM rules, most nonconformance relates to formatting of HTML and therefore does not impact machine readability for making use of these fundamental accounting concepts)
- Entity of focus as called by the SEC or root economic reporting entity must be discovered (99.2% of SEC XBRL financial filings meet this criteria)
- Current balance sheet date (i.e. dei:DocumentPeriodEndDate) and the current year-to-date income statement date (i.e. the startDate context value of the concept dei:DocumentPeriodEndDate) must be successfully identified and consistent with reported information (99.3% of SEC filings conform to this criteria)
- Units of focus must be discovered (i.e. not all SEC filers report in US Dollars, if they report in some other currency that currency must be clear (99.9% of SEC filers report in US Dollars)

Again, while these preconditions are critical, they are not discussed as the vast majority of SEC XBRL financial filings satisfy all of these criteria and therefore minimal errors are caused by nonconformance to these preconditions.

Interpretation of fundamental accounting concepts

Once a digital financial report is fundamentally readable and the correct entity, periods, and units are identified (i.e. all of the preconditions are met), the next thing is to obtain and interpret the fundamental accounting concepts from the XBRL-based financial filing. Here we want to show an example of an SEC filer who conforms to 100% of the fundamental accounting concept relations. Microsoft Corporation was arbitrarily selected and this specific filing was used to obtain the results shown below:

SEC Filing page: http://www.sec.gov/Archives/edgar/data/789019/000119312514157088/0001193125-14-157088-index.htm

SEC Interactive viewer: http://www.sec.gov/cgi-bin/viewer?action=view&cik=789019&accession_number=0001193125-14-157088&xbrl_type=v#

XBRL Cloud Viewer: https://edgardashboard.xbrlcloud.com/flex/viewer/XBRLViewer.html#instance=http://www.sec.gov/Archives/edgar/data/789019/000119312514157088/msft-20140331.xml

The SEC interactive viewer and the XBRL Cloud viewer each have pros and cons in terms of the features they offer for examining an XBRL-based financial filing. One question that using both of these software applications should raise in your mind is, "Why would reported information be different?" Well, reported information should not be different. Further, prudence suggests that using this information should be as easy as possible so that (a) it is not a guessing game to obtain reported information correctly and (b) software vendors can easily write the same or similar algorithms to obtain reported facts.

When considering this process, consider areas where the process could be made simpler. Could mappings be reduced by removing unnecessary concepts from the US GAAP XBRL Taxonomy? Can rules used to impute or deduce important but not explicitly reported information be simplified or removed altogether by explicitly reporting certain information which causes the process to be more brittle and potentially unsafe because it increases the possibility of misinterpretation?

Balance sheet

Balance Sheets (USD $) In Millions, unless otherwise specified	Mar. 31, 2014	Jun. 30, 2013
Current assets:		
Cash and Cash Equivalents	$ 11,572	$ 3,804
Short-term investments (including securities loaned of $707 and $579)	76,853	73,218
Total cash, cash equivalents, and short-term investments	88,425	77,022
Accounts receivable, net of allowance for doubtful accounts of $255 and $336	13,497	17,486
Inventories	1,920	1,938
Deferred income taxes	1,424	1,632
Other	3,740	3,388
Total current assets	109,006	101,466
Property and equipment, net of accumulated depreciation of $14,441 and $12,513	11,771	9,991
Equity and other investments	14,792	10,844
Goodwill	14,751	14,655
Intangible assets, net	2,901	3,083
Other long-term assets	2,898	2,392
Total assets	156,119	142,431
Current liabilities:		
Accounts payable	4,583	4,828
Current portion of long-term debt	2,000	2,999
Accrued compensation	3,887	4,117
Income taxes	694	592
Short-term unearned revenue	17,670	20,639
Securities lending payable	794	645
Other	4,275	3,597
Total current liabilities	33,903	37,417
Long-term debt	20,679	12,601
Long-term unearned revenue	1,842	1,760
Deferred income taxes	2,318	1,709
Other long-term liabilities	9,953	10,000
Total liabilities	68,695	63,487
Commitments and contingencies		
Stockholders' equity:		
Common stock and paid-in capital-shares authorized 24,000; outstanding 8,260 and 8,328	67,803	67,306
Retained earnings	16,289	9,895
Accumulated other comprehensive income	3,332	1,743
Total stockholders' equity	87,424	78,944
Total liabilities and stockholders' equity	$ 156,119	$ 142,431

Component: (Network and Table)

Network	Balance Sheet (Classified)

Label	Value	Balance	Origin	Message
Assets				
Current Assets	109,006,000,000	Debit	fac:CurrentAssets[us-gaap:AssetsCurrent[109,006,000,000]]	
Noncurrent Assets	47,113,000,000	Debit	fac:NoncurrentAssets[47,113,000,000] = fac:Assets[us-gaap:Assets [156,119,000,000]] - fac:CurrentAssets[us-gaap:AssetsCurrent [109,006,000,000]]	
Assets	156,119,000,000	Debit	fac:Assets[us-gaap:Assets[156,119,000,000]]	BS3:OK
Liabilities				
Current Liabilities	33,903,000,000	Credit	fac:CurrentLiabilities[us-gaap:LiabilitiesCurrent[33,903,000,000]]	
Noncurrent Liabilities	34,792,000,000	Credit	fac:NoncurrentLiabilities[34,792,000,000] = fac:Liabilities[us-gaap:Liabilities[68,695,000,000]] - fac:CurrentLiabilities[us-gaap:LiabilitiesCurrent[33,903,000,000]]	
Liabilities	68,695,000,000	Credit	fac:Liabilities[us-gaap:Liabilities[68,695,000,000]]	BS4:OK
Commitments and Contingencies	0	Credit	fac:CommitmentsAndContingencies[us-gaap:CommitmentsAndContingencies[0]]	
Temporary Equity	0	Credit	fac:TemporaryEquity[0] = 0	
Redeemable Noncontrolling Interest	0	Credit	fac:RedeemableNoncontrollingInterest[0] = 0	
Equity				
Equity Attributable to Parent	87,424,000,000	Credit	fac:EquityAttributableToParent[us-gaap:StockholdersEquity [87,424,000,000]]	
Equity Attributable to Noncontrolling Interest	0	Credit	fac:EquityAttributableToNoncontrollingInterest[0] = 0	
Equity	87,424,000,000	Credit	fac:Equity[us-gaap:StockholdersEquity[87,424,000,000]]	BS1:OK
Liabilities and Equity	156,119,000,000	Credit	fac:LiabilitiesAndEquity[us-gaap:LiabilitiesAndStockholdersEquity [156,119,000,000]]	BS5:OK
Assets	156,119,000,000	Debit	fac:Assets[us-gaap:Assets[156,119,000,000]]	BS2:OK

Income statement

Component: (Network and Table)				
Network	Income Statement (MultiStep)			

Label	Value	Balance	Origin	Message
Revenues	63,451,000,000	Credit	fac:Revenues[us-gaap:SalesRevenueNet[63,451,000,000]]	
Cost of Revenue	19,339,000,000	Debit	fac:CostOfRevenue[us-gaap:CostOfRevenue[19,339,000,000]]	
Gross Profit	44,112,000,000	Credit	fac:GrossProfit[us-gaap:GrossProfit[44,112,000,000]]	IS1:OK
Operating Expenses	22,835,000,000	Debit	fac:OperatingExpenses[us-gaap:OperatingExpenses[22,835,000,000]]	
Costs and Expenses	42,174,000,000	Debit	fac:CostsAndExpenses[42,174,000,000] = fac:CostOfRevenue[us-gaap:CostOfRevenue[19,339,000,000]] + fac:OperatingExpenses[us-gaap:OperatingExpenses[22,835,000,000]]	
Other Operating Income (Expenses)	0	Credit	fac:OtherOperatingIncomeExpenses[0] = fac:OperatingIncomeLoss[us-gaap:OperatingIncomeLoss[21,277,000,000]] - (fac:GrossProfit[us-gaap:GrossProfit[44,112,000,000]] - fac:OperatingExpenses[us-gaap:OperatingExpenses[22,835,000,000]])	
Operating Income (Loss)	21,277,000,000	Credit	fac:OperatingIncomeLoss[us-gaap:OperatingIncomeLoss[21,277,000,000]]	IS2:OK
Nonoperating Income (Loss)	(34,000,000)	Credit	fac:NonoperatingIncomeLoss[us-gaap:NonoperatingIncomeExpense[-34,000,000]]	
Interest and Debt Expense	0	Debit	fac:InterestAndDebtExpense[0] = fac:IncomeLossBeforeEquityMethodInvestments[us-gaap:IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments[21,243,000,000]] - (fac:OperatingIncomeLoss[us-gaap:OperatingIncomeLoss[21,277,000,000]] + fac:NonoperatingIncomeLoss[us-gaap:NonoperatingIncomeExpense[-34,000,000]])	
Nonoperating Income (Loss) Plus Interest and Debt Expense	(34,000,000)	Credit	fac:NonoperatingIncomeLossPlusInterestAndDebtExpense[-34,000,000] = fac:NonoperatingIncomeLoss[us-gaap:NonoperatingIncomeExpense[-34,000,000]] - fac:InterestAndDebtExpense[0]	
Income (Loss) before Equity Method Investments	21,243,000,000	Credit	fac:IncomeLossBeforeEquityMethodInvestments[us-gaap:IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments[21,243,000,000]]	IS3:OK
Income (Loss) from Equity Method Investments	0	Credit	fac:IncomeLossFromEquityMethodInvestments[0] = 0	
Nonoperating Income (Loss) Plus Interest and Debt Expense Plus Income (Loss) from Equity Method Investments	(34,000,000)	Credit	fac:NonoperatingIncomePlusInterestAndDebtExpensePlusIncomeFromEquityMethodInvestments[-34,000,000] = fac:IncomeLossFromContinuingOperationsBeforeTax[us-gaap:IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments[21,243,000,000]] - fac:OperatingIncomeLoss[us-gaap:OperatingIncomeLoss[21,277,000,000]]	
Income (Loss) from Continuing Operations Before Tax	21,243,000,000	Credit	fac:IncomeLossFromContinuingOperationsBeforeTax[us-gaap:IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments[21,243,000,000]]	IS4:OK
Income Tax Expense (Benefit)	3,781,000,000	Debit	fac:IncomeTaxExpenseBenefit[us-gaap:IncomeTaxExpenseBenefit[3,781,000,000]]	
Income (Loss) from Continuing Operations After Tax	17,462,000,000	Credit	fac:IncomeLossFromContinuingOperationsAfterTax[17,462,000,000] = fac:NetIncomeLoss[us-gaap:NetIncomeLoss[17,462,000,000]] - fac:IncomeLossFromDiscontinuedOperationsNetOfTax[0] - fac:ExtraordinaryItemsOfIncomeExpenseNetOfTax[0]	IS5:OK
Income (Loss) from Discontinued Operations, Net of Tax	0	Credit	fac:IncomeLossFromDiscontinuedOperationsNetOfTax[0] = 0	
Extraordinary Items of Income (Expense), Net of Tax	0	Credit	fac:ExtraordinaryItemsOfIncomeExpenseNetOfTax[0] = 0	
Net Income (Loss)	17,462,000,000	Credit	fac:NetIncomeLoss[us-gaap:NetIncomeLoss[17,462,000,000]]	IS6:OK
Net Income (Loss) Attributable to Parent	17,462,000,000	Credit	fac:NetIncomeLossAttributableToParent[us-gaap:NetIncomeLoss[17,462,000,000]]	
Net Income (Loss) Attributable to Noncontrolling Interest	0	Credit	fac:NetIncomeLossAttributableToNoncontrollingInterest[0] = 0	
Net Income (Loss)	17,462,000,000	Credit	fac:NetIncomeLoss[us-gaap:NetIncomeLoss[17,462,000,000]]	IS7:OK
Net Income (Loss) Attributable to Parent	17,462,000,000	Credit	fac:NetIncomeLossAttributableToParent[us-gaap:NetIncomeLoss[17,462,000,000]]	
Preferred Stock Dividends and Other Adjustments	0	Debit	fac:PreferredStockDividendsAndOtherAdjustments[0] = fac:NetIncomeLossAttributableToParent[us-gaap:NetIncomeLoss[17,462,000,000]] - fac:NetIncomeLossAvailableToCommonStockholdersBasic[17,462,000,000]	
Net Income (Loss) Available to Common Stockholders, Basic	17,462,000,000	Credit	fac:NetIncomeLossAvailableToCommonStockholdersBasic[17,462,000,000] = fac:NetIncomeLossAttributableToParent[us-gaap:NetIncomeLoss[17,462,000,000]]	IS8:OK

Income Statements (USD $) In Millions, except Per Share data, unless otherwise specified	3 Months Ended		9 Months Ended	
	Mar. 31, 2014	Mar. 31, 2013	Mar. 31, 2014	Mar. 31, 2013
Revenue	$ 20,403	$ 20,489	$ 63,451	$ 57,955
Cost of revenue	5,941	4,787	19,339	14,647
Gross margin	14,462	15,702	44,112	43,306
Operating expenses:				
Research and development	2,743	2,640	8,258	7,628
Sales and marketing	3,542	3,794	11,129	11,048
General and administrative	1,203	1,656	3,448	3,939
Total operating expenses	7,488	8,090	22,835	22,615
Operating income	6,974	7,612	21,277	20,691
Other income (expense)	(17)	(9)	(34)	216
Income before income taxes	6,957	7,603	21,243	20,907
Provision for income taxes	1,297	1,548	3,781	4,009
Net income	$ 5,660	$ 6,055	$ 17,462	$ 16,898

Statement of comprehensive income

Comprehensive Income Statements (USD $) In Millions, unless otherwise specified	3 Months Ended		9 Months Ended	
	Mar. 31, 2014	Mar. 31, 2013	Mar. 31, 2014	Mar. 31, 2013
Net income	$ 5,660	$ 6,055	$ 17,462	$ 16,898
Other comprehensive income (loss):				
Net unrealized gains (losses) on derivatives (net of tax effects of $1, $19, $(1), and $(10))	(31)	35	(14)	(19)
Net unrealized gains on investments (net of tax effects of $37, $150, $774, and $401)	68	278	1,502	744
Translation adjustments and other (net of tax effects of $9, $(61), $53 and $31)	18	(114)	101	58
Other comprehensive income	55	199	1,589	783
Comprehensive income	$ 5,715	$ 6,254	$ 19,051	$ 17,681

Component: (Network and Table)

Network	Statement of Comprehensive Income

Label	Value	Balance	Origin	Message
Net Income (Loss)	17,462,000,000	Credit	fac:NetIncomeLoss[us-gaap:NetIncomeLoss[17,462,000,000]]	
Other Comprehensive Income (Loss)	1,589,000,000	Credit	fac:OtherComprehensiveIncomeLoss[us-gaap:OtherComprehensiveIncomeLossNetOfTax[1,589,000,000]]	
Comprehensive Income (Loss)	19,051,000,000	Credit	fac:ComprehensiveIncomeLoss[us-gaap:ComprehensiveIncomeNetOfTax[19,051,000,000]]	IS10:OK
Comprehensive Income (Loss) Attributable to Parent	19,051,000,000	Credit	fac:ComprehensiveIncomeLossAttributableToParent[us-gaap:ComprehensiveIncomeNetOfTax[19,051,000,000]]	
Comprehensive Income (Loss) Attributable to Noncontrolling Interest	0	Credit	fac:ComprehensiveIncomeLossAttributableToNoncontrollingInterest[0] = fac:ComprehensiveIncomeLoss[us-gaap:ComprehensiveIncomeNetOfTax[19,051,000,000]] - fac:ComprehensiveIncomeLossAttributableToParent[us-gaap:ComprehensiveIncomeNetOfTax[19,051,000,000]]	
Comprehensive Income (Loss)	19,051,000,000	Credit	fac:ComprehensiveIncomeLoss[us-gaap:ComprehensiveIncomeNetOfTax[19,051,000,000]]	IS9:OK

Cash flow statement

Cash Flows Statements (USD $) In Millions, unless otherwise specified	3 Months Ended Mar. 31, 2014	3 Months Ended Mar. 31, 2013	9 Months Ended Mar. 31, 2014	9 Months Ended Mar. 31, 2013
Operations				
Net income	$ 5,660	$ 6,055	$ 17,462	$ 16,898
Adjustments to reconcile net income to net cash from operations:				
Depreciation, amortization, and other	1,255	1,053	3,470	2,772
Stock-based compensation expense	602	599	1,828	1,805
Net recognized losses (gains) on investments and derivatives	(40)	(52)	100	(19)
Excess tax benefits from stock-based compensation	(22)	(6)	(247)	(192)
Deferred income taxes	(190)	226	38	404
Deferral of unearned revenue	10,175	9,686	27,456	28,632
Recognition of unearned revenue	(10,139)	(11,599)	(30,394)	(30,852)
Changes in operating assets and liabilities:				
Accounts receivable	2,501	2,191	4,243	3,859
Inventories	(324)	(483)	38	(989)
Other current assets	340	139	(311)	(96)
Other long-term assets	(73)	(13)	(469)	(326)
Accounts payable	(716)	(67)	(390)	51
Other current liabilities	870	1,238	3	119
Other long-term liabilities	200	699	(110)	864
Net cash from operations	10,099	9,666	22,717	22,930
Financing				
Proceeds from issuance of debt	0	0	8,850	2,232
Repayments of debt	(300)	0	(1,888)	0
Common stock issued	141	203	461	765
Common stock repurchased	(1,845)	(1,028)	(6,146)	(4,318)
Common stock cash dividends paid	(2,322)	(1,925)	(6,570)	(5,534)
Excess tax benefits from stock-based compensation	22	6	247	192
Other	0	0	(39)	(16)
Net cash used in financing	(4,304)	(2,744)	(5,085)	(6,679)
Investing				
Additions to property and equipment	(1,192)	(930)	(4,155)	(2,463)
Acquisition of companies, net of cash acquired, and purchases of intangible and other assets	(157)	(108)	(311)	(1,564)
Purchases of investments	(21,323)	(18,160)	(49,217)	(48,372)
Maturities of investments	2,336	1,265	4,134	4,513
Sales of investments	16,006	9,730	39,477	30,163
Securities lending payable	46	543	149	(249)
Net cash used in investing	(4,284)	(7,660)	(9,923)	(17,972)
Effect of exchange rates on cash and cash equivalents	2	(39)	59	23
Net change in cash and cash equivalents	1,513	(777)	7,768	(1,690)
Cash and cash equivalents, beginning of period	10,059	6,017	3,804	6,938
Cash and cash equivalents, end of period	$ 11,572	$ 5,240	$ 11,572	$ 5,240

Component: (Network and Table)

Network	Cash Flow Statement

Label	Value	Balance	Origin	Message
Net Cash Flow from Operating Activities, Continuing	22,717,000,000	Debit	fac:NetCashFlowFromOperatingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInOperatingActivitiesContinuingOperations [22,717,000,000]]	
Net Cash Flow from Operating Activities, Discontinued	0	Debit	fac:NetCashFlowFromOperatingActivitiesDiscontinued[0] = 0	
Net Cash Flow from Operating Activities	22,717,000,000	Debit	fac:NetCashFlowFromOperatingActivities[22,717,000,000] = fac:NetCashFlowFromOperatingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInOperatingActivitiesContinuingOperations [22,717,000,000]]	CF4:OK
Net Cash Flow from Investing Activities, Continuing	(9,923,000,000)	Debit	fac:NetCashFlowFromInvestingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInInvestingActivitiesContinuingOperations [-9,923,000,000]]	
Net Cash Flow from Investing Activities, Discontinued	0	Debit	fac:NetCashFlowFromInvestingActivitiesDiscontinued[0] = 0	
Net Cash Flow from Investing Activities	(9,923,000,000)	Debit	fac:NetCashFlowFromInvestingActivities[-9,923,000,000] = fac:NetCashFlowFromInvestingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInInvestingActivitiesContinuingOperations [-9,923,000,000]]	CF5:OK
Net Cash Flow from Financing Activities, Continuing	(5,085,000,000)	Debit	fac:NetCashFlowFromFinancingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInFinancingActivitiesContinuingOperations [-5,085,000,000]]	
Net Cash Flow from Financing Activities, Discontinued	0	Debit	fac:NetCashFlowFromFinancingActivitiesDiscontinued[0] = 0	
Net Cash Flow from Financing Activities	(5,085,000,000)	Debit	fac:NetCashFlowFromFinancingActivities[-5,085,000,000] = fac:NetCashFlowFromFinancingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInFinancingActivitiesContinuingOperations [-5,085,000,000]]	CF6:OK
Net Cash Flow, Continuing	7,709,000,000	Debit	fac:NetCashFlowContinuing[7,709,000,000] = fac:NetCashFlowFromOperatingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInOperatingActivitiesContinuingOperations [22,717,000,000]] + fac:NetCashFlowFromInvestingActivitiesContinuing [us-gaap:NetCashProvidedByUsedInInvestingActivitiesContinuingOperations [-9,923,000,000]] + fac:NetCashFlowFromFinancingActivitiesContinuing [us-gaap:NetCashProvidedByUsedInFinancingActivitiesContinuingOperations [-5,085,000,000]]	CF2:OK
Net Cash Flow, Discontinued	0	Debit	fac:NetCashFlowDiscontinued[0] = fac:NetCashFlowFromOperatingActivitiesDiscontinued[0] + fac:NetCashFlowFromInvestingActivitiesDiscontinued[0] + fac:NetCashFlowFromFinancingActivitiesDiscontinued[0]	CF3:OK
Exchange Gains (Losses)	59,000,000	Debit	fac:ExchangeGainsLosses[us-gaap:EffectOfExchangeRateOnCashAndCashEquivalents[59,000,000]]	
Net Cash Flow	7,768,000,000	Debit	fac:NetCashFlow[us-gaap:CashAndCashEquivalentsPeriodIncreaseDecrease[7,768,000,000]]	CF1:OK