

# 1.Showcase of Reports

The purpose of this section is to provide a showcase that helps demonstrate and explain the power of XBRL to represent financial information.

A battery of report examples that were all created in XBRL will be shown. Both the XBRL version and some human readable version of the report will be provided. The report model and report will be provided for each example report in this showcase. The reason for including the XBRL for each report will be provided so that you understand what to look for in the report and each report can be loaded in to any off-the-shelf software application that supports XBRL. You can test software applications by trying to load the provided examples into that software.

## 1.1. Hello World!

The Hello World example is a very, very basic XBRL-based report. The report has one Network which contains one implied hypercube and one block of information which is a roll up concept arrangement pattern.

Instance: <http://www.xbrlsite.com/seattlemethod/golden/helloworld/instance.xml>

Human readable: <http://www.xbrlsite.com/seattlemethod/golden/helloworld/evidence-package>

Platinum Test case: <http://www.xbrlsite.com/seattlemethod/platinum/helloworld/index.html>

Component: (Network and Hypercube)		
Network	30000 - Property, Plant, and Equipment by Component ( <a href="http://www.xbrlsite.com/helloWorld/role/HelloWorld">http://www.xbrlsite.com/helloWorld/role/HelloWorld</a> )	
Hypercube	Implied	
Reporting Entity [Aspect]	SAMP   <a href="http://www.reportingscheme.com/ID">http://www.reportingscheme.com/ID</a>	
Unit [Aspect]	iso4217:USD	
Concept [Aspect]	Period [Aspect]	
	2020-12-31	2019-12-31
Property, Plant and Equipment, Net [Roll Up]		
Land	\$ 5,347,000	\$ 1,147,000
Buildings, Net	244,508,000	366,375,000
Furnitures and Fixtures, Net	34,457,000	34,457,000
Computer Equipment, Net	4,169,000	5,313,000
Other Property, Plant and Equipment, Net	6,702,000	6,149,000
Property, Plant and Equipment, Net	\$ 295,183,000	\$ 413,441,000

## 1.2. Hello World! Using Dimensions

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/helloworld-using-dim/index.html>

Component: (Network and Hypercube)	
Network	30000 - Property, Plant, and Equipment by Component ( <a href="http://www.xbrlsite.com/reportrole/HelloWorld">http://www.xbrlsite.com/reportrole/HelloWorld</a> )
Hypercube	PPE [Hypercube]
Reporting Entity [Aspect]	SAMP   <a href="http://www.reportingscheme.com/ID">http://www.reportingscheme.com/ID</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]											
	2020-12-31						2019-12-31					
	Type [Dimension]						Type [Dimension]					
	Freehold Land [Member]	Buildings and Leasholds [Member]	Furniture [Member]	Equipment [Member]	Other PPE [Member]	All Types [Member]	Freehold Land [Member]	Buildings and Leasholds [Member]	Furniture [Member]	Equipment [Member]	Other PPE [Member]	All Types [Member]
Property, Plant and Equipment [Roll Up]												
Property, Plant and Equipment, Gross	\$ 5,347,000	\$ 244,508,000	\$ 34,457,000	\$ 4,169,000	\$ 6,702,000	\$ 295,183,000	\$ 1,147,000	\$ 366,375,000	\$ 34,457,000	\$ 5,313,000	\$ 6,149,000	\$ 413,441,000
Accumulated Depreciation	7,000	8,000	7,000	9,000	2,000	33,000	7,000	5,000	7,000	3,000	9,000	31,000
Property, Plant and Equipment						\$ (a) 295,150,000						\$ (b) 413,410,000

(a) This is parenthetical comment number 11.  
(b) This is parenthetical comment number 12.

## 1.3. PROOF

The PROOF example demonstrates the capabilities of XBRL-based financial reports to represent basic information patterns. The PROOF example shows the following information models: Set, Roll Up, Roll Forward, Arithmetic, Adjustment (Restatement), Variance, Text Block, Roll Forward Info, Member Aggregation.

Instance: <http://www.xbrlsite.com/seattlemethod/golden/proof/reference-implementation/instance.xml>

Human readable (autogenerated): <http://www.xbrlsite.com/site1/seattlemethod/golden/proof/reference-implementation/evidence-package/>

Human readable AND Machine Readable Inline XBRL (autogenerated):  
<http://www.xbrlsite.com/seattlemethod/golden/proof/reference-implementation/instance-RENDERED.html>

Human readable (autogenerated): <http://www.xbrlsite.com/seattlemethod/golden/proof/reference-implementation/Report.html>

Human readable (autogenerated) including report model and report verification: <https://auditchain.infura-ipfs.io/ipfs/QmNUY15G1dhTXCYpyUyvgYWZ33Nc6mKRUDz7GDqLFonaPs/>

Base reporting scheme: [http://www.xbrlsite.com/seattlemethod/golden/proof/base-taxonomy/proof\\_ModelStructure.html](http://www.xbrlsite.com/seattlemethod/golden/proof/base-taxonomy/proof_ModelStructure.html)

Platinum example: <http://www.xbrlsite.com/seattlemethod/platinum/proof/ref/index.html>

Component: (Network and Hypercube)	
Network	01-Balance Sheet ( <a href="http://www.xbrlsite.com/report/role/BalanceSheet">http://www.xbrlsite.com/report/role/BalanceSheet</a> )
Hypercube	Balance Sheet [Hypercube]

Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]	
	2020-12-31	2019-12-31
Balance Sheet [Arithmetic]		
Assets	\$ (a),(b),(c) 3,500	\$ 0
Liabilities	0	0
Equity	3,500	0

Component: (Network and Hypercube)	
Network	05-Variance Analysis ( <a href="http://www.xbrlsite.com/report/role/VarianceAnalysis">http://www.xbrlsite.com/report/role/VarianceAnalysis</a> )
Hypercube	Variance Analysis [Hypercube]

Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]		
	2020-01-01   2020-12-31		
	Scenario [Axis]		
	Variance [Member]	Budgeted [Member]	Actual [Member]
Variance Analysis [Roll Up]			
Revenues	\$ 1,000	\$ 6,000	\$ 7,000
(Expenses)	(1,000)	(2,000)	(3,000)
Gains	250	750	1,000
(Losses)	(1,000)	(1,000)	(2,000)
Comprehensive Income	\$ (750)	\$ 3,750	\$ 3,000

## 1.4. MINI Financial Report

The MINI financial report example demonstrates the basic capabilities of representing a financial report using XBRL.

Instance: <http://www.xbrlsite.com/seattlemethod/golden/mini/reference-implementation/company1-instance.xml>

Human readable: <http://www.xbrlsite.com/site1/seattlemethod/golden/mini/reference-implementation/evidence-package/>

Human readable: <http://www.xbrlsite.com/seattlemethod/golden/mini/reference-implementation/Report.html>

Human readable, dynamic, with report model and report verification: <https://auditchain.infura-ipfs.io/ipfs/QmfVYik8TTHm5bcnrccWBucTGjuwEvdAa6pDSHWmfYdRfB/>

Base reporting scheme: [http://www.xbrlsite.com/seattlemethod/golden/mini/base-taxonomy/mini\\_ModelStructure.html](http://www.xbrlsite.com/seattlemethod/golden/mini/base-taxonomy/mini_ModelStructure.html)

Platinum example: <http://www.xbrlsite.com/seattlemethod/platinum/mini/ref-MINI-BSC-IS01-CF1/index.html>

Component: (Network and Hypercube)	
Network	1110 - Statement - Balance Sheet ( <a href="http://www.xbrlsite.com/report/role/BalanceSheet">http://www.xbrlsite.com/report/role/BalanceSheet</a> )
Hypercube	Implied

Reporting Entity [Aspect]	30810137d58f76b84afd   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]	
	2020-12-31	2019-12-31
Balance Sheet [Abstract]		
Assets [Roll Up]		
Current Assets [Roll Up]		
Cash and Cash Equivalents	\$ (648,551.94)	\$ 398,937.76
Receivables	2,035,468.27	1,231,338.47
Inventories	451,842.19	467,010.20
Current Assets	1,838,758.52	2,097,286.43
Noncurrent Assets [Roll Up]		
Property, Plant and Equipment	1,245,567.16	1,266,995.32
Noncurrent Assets	1,245,567.16	1,266,995.32
Assets	\$ 3,084,325.68	\$ 3,364,281.75
Liabilities and Equity [Roll Up]		
Liabilities [Roll Up]		
Current Liabilities [Roll Up]		
Accounts Payable	\$ 2,689,452.31	\$ 1,595,349.42
Current Liabilities	2,689,452.31	1,595,349.42
Noncurrent Liabilities [Roll Up]		
Long-term Debt	338,349.05	361,285.69
Noncurrent Liabilities	338,349.05	361,285.69
Liabilities	3,027,801.36	1,956,635.11
Equity [Roll Up]		
Retained Earnings	56,524.32	1,407,646.64
Equity	56,524.32	1,407,646.64
Liabilities and Equity	\$ 3,084,325.68	\$ 3,364,281.75

## 1.5. Extracting Information (normalized comparison between entities)

Extracting information from 21 different reports, normalizing the information, and comparing the information side-by-side. Note that information analysed is being verified to be consistent with the normalized concepts and mathematical associations between the core concepts.

Image of entity comparison:

[http://www.xbrlsite.com/2016/fac/v3/Examples/IncomeStatementSingleStep\\_Special6.jpg](http://www.xbrlsite.com/2016/fac/v3/Examples/IncomeStatementSingleStep_Special6.jpg)

Income Statement (2016)		Reporting Entity (2016)																				
Entity		1.80 FLOWERS COW INC. (104848)	20 SYSTEMS CORP. (101938)	3PEA INTERNATIONAL INC. (104645)	415 Networks, Inc. (100888)	ARON INC. (024142)	ARABIS INC. (010180)	ARCO Energy Inc. (100008)	ASERCHROME 8.17129 (010846)	BIG 5 SPORTS (000015) Corp. (110018)	BOA INC. (117261)	Cross, Inc. (113403)	FARLEIGH INC. (104161)	Private Group Inc. (107031)	REVLON INC. (00791)	SMITHFIELD FOODS INC. (0108)	SPE CORP. (0000)	Servpro Inc. (107371)	TABER INTERNATIONAL INC. (104163)	TECOBEN INC. (103743)	TREX CO INC. (000076)	WHEELPOOL CORP. (000044)
Fiscal Year (2016)		2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
Fiscal Period (2016)		2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
Income Statement (2016)		2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
Net Income (Loss) (2016)		1,121,508,000	695,163,000	8,107,541	186,955,000	358,832,000	202,593,000	1,899,425	3,518,880,000	1,029,088,000	218,440,000	1,060,830,000	59,517,000	9,223,087,000	1,914,300,000	14,438,400,000	1,719,300,000	1,059,480,000	197,862,000	21,442,887	440,804,000	20,891,000,000
Income (Loss) from Continuing Operations After Tax (2016)		804,311,000	514,354,000	4,916,014	48,769,000	246,651,000	43,623,000	1,311,004	1,361,107,000	794,134,000	47,213,000	579,827,000	58,224,000	892,160,000	897,800,000	12,861,000,000	1,429,600,000	928,413,000	69,246,000	13,858,431	288,619,000	17,201,000,000
Income (Loss) from Continuing Operations Before Tax (2016)		451,160,000	271,526,000	4,950,000	155,187,000	108,981,000	108,670,000	178,301	2,157,545,000	1,249,490,000	166,197,000	1,110,000,000	29,261,000	5,591,907,000	1,248,500,000	1,719,400,000	1,267,400,000	878,907,000	13,847,000	1,633,428	124,995,000	3,560,000,000
Operating Income (Loss) (2016)		446,675,000	631,733,000	4,068,000	188,833,000	37,579,000	74,899,000	733,038	2,084,788,000	266,428,000	335,823,000	863,129,000	38,887,000	6,332,000,000	1,038,700,000	981,600,000	482,400,000	842,432,000	93,912,000	10,278,078	77,463,000	2,458,000,000
Extraordinary Items of Income (Expense), Net of Tax (2016)		-7,303,000	-13,028,000	-2,545,709	-841,000	37,000	-1,292,000	-65,109	-16,246,000	-1,791,000	-2,140,000	-2,420,000	-448,000	-130,907,000	-105,100,000	-841,000,000	-83,000,000	-28,947,000	28,000	-197,810	-619,000	-274,000,000
Income (Loss) from Continuing Operations Before Tax (2016)		36,314,000	454,653,000	-2,545,077	-68,287,000	71,309,000	33,542,000	-214,803	94,580,000	24,746,000	-189,796,000	-74,744,000	-10,200,000	5,138,325,000	116,700,000	482,300,000	-203,000,000	-193,912,000	35,981,000	-2,800,460	76,787,000	1,891,000,000
Income Tax Expense (Benefit) (2016)		10,930,000	6,972,000	0	747,000	28,911,000	12,239,000	0	18,031,000	9,491,000	-469,000	6,452,000	520,000	878,900,000	81,400,000	0	-11,800,000	6,414,000	15,428,000	0	28,899,000	289,000,000
Income (Loss) from Continuing Operations After Tax (2016)		18,384,000	493,625,000	-2,545,077	-60,534,000	49,388,000	20,803,000	-214,803	76,549,000	15,255,000	-189,227,000	-81,195,000	-10,710,000	2,957,995,000	36,300,000	482,300,000	-191,200,000	-198,426,000	16,933,000	-2,800,460	48,586,000	822,000,000
Income (Loss) from Discontinued Operations, Net of Tax (2016)		0	0	0	0	0	0	0	0	0	0	0	0	-3,200,000	0	74,200,000	0	0	0	0	0	0
Extraordinary Items of Income (Expense), Net of Tax (2016)		18,384,000	493,625,000	-2,545,077	-60,534,000	49,388,000	20,803,000	-214,803	76,549,000	15,255,000	-189,227,000	-81,195,000	-10,710,000	2,957,995,000	36,300,000	482,300,000	-191,200,000	-198,426,000	16,933,000	-2,800,460	48,586,000	822,000,000
Net Income (Loss) (2016)		18,384,000	493,625,000	-2,545,077	-60,534,000	49,388,000	20,803,000	-214,803	76,549,000	15,255,000	-189,227,000	-81,195,000	-10,710,000	2,957,995,000	36,300,000	482,300,000	-191,200,000	-198,426,000	16,933,000	-2,800,460	48,586,000	822,000,000

More examples: <http://www.xbrlsite.com/2016/fac/v3/Examples/Index.html>

## 1.6. Understanding Dimensions

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/aasb1060-ppe-policies-movements/index.html>

Component: (Network and Hypercube)										
Network	262-Disaggregation-Property, Plant and Equipment Items ( <a href="http://luca.auditchain.finance/report/role/PropertyPlantAndEquipmentItems">http://luca.auditchain.finance/report/role/PropertyPlantAndEquipmentItems</a> )									
Hypercube	Property, Plant and Equipment by Class [Hypercube]									
Reporting Entity [Aspect]	GH259400TOMPULS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>									
Unit [Aspect]	iso4217:AUD									
Concept [Aspect]	Period [Aspect]									
	2022-12-31					2021-12-31				
	Class [Dimension]					Class [Dimension]				
	Freehold Land [Member]	Buildings [Member]	Plant and Machinery [Member]	Furniture and Fittings [Member]	All Classes [Member]	Freehold Land [Member]	Buildings [Member]	Plant and Machinery [Member]	Furniture and Fittings [Member]	All Classes [Member]
Property, Plant and Equipment, Net [Roll Up]										
Property, Plant and Equipment, Gross	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Accumulated Depreciation, Amortisation, and Impairment	0	0	0	0	0	0	0	0	0	0
Property, Plant and Equipment, Net	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

## 1.7. Spreadsheet (Semantic Oriented Spreadsheet)

Platinum test case: <http://xbrlsite.com/seattlemethod/platinum-testcases/spreadsheet/index.html>

Component: (Network and Hypercube)						
Network	Sheet ( <a href="http://site.com/sheet/role/Sheet">http://site.com/sheet/role/Sheet</a> )					
Hypercube	My [Hypercube]					
Reporting Entity [Aspect]	0000   <a href="http://gleif.org/lei">http://gleif.org/lei</a>					
Unit [Aspect]	iso4217:USD					
Concept [Aspect]	Period [Aspect]					
	2023-01-01   2023-12-31					
	Some [Dimension]					
	Column 1 [Member]	Column 2 [Member]	Column 3 [Member]	Column 4 [Member]	Column 5 [Member]	All Columns [Member]
Some [Set]						
Row 1	1,000	1,000	1,000	1,000	1,000	1,000
Row 2	1,000	1,000	1,000	1,000	1,000	1,000
Row 3	1,000	1,000	1,000	1,000	1,000	1,000
Row 4	1,000	1,000	1,000	1,000	1,000	1,000
Row 5	1,000	1,000	1,000	1,000	1,000	1,000

## 1.8. Extracting Information (normalized comparison between periods)

Extracting information from 5 different reports of the same reporting entity, normalizing the information, and comparing the information side-by-side.

Rendering	Model Structure	Fact Table	Business Rules Structure	Business Rules Validation Results	Elements
Component: (Network and Table)					
Network	001 - Unknown - General Information				
Table	General Information [Table]				
Reporting Entity [Axis]	0000789019 http://www.sec.gov/CIK				
Unit [Axis]					
	Period [Axis]				
General Information [Line Items]	2016-07-01/2016-12-31	2016-07-01/2016-09-30	2015-07-01/2016-06-30	2015-07-01/2016-03-31	2015-07-01/2015-12-31
General Information [Hierarchy]					
Entity Registrant Name	MICROSOFT CORPORATION		MICROSOFT CORPORATION		MICROSOFT CORPORATION
Entity Central Index Key	0000789019		0000789019		0000789019
Entity Filer Category	Large Accelerated Filer		Large Accelerated Filer		Large Accelerated Filer
Trading Symbol	MSFT		MSFT		MSFT
Fiscal Year End	--06-30		--06-30		--06-30
Fiscal Year Focus	2017		2016		2016
Fiscal Period Focus	Q2		Q1		Q3
Document Type	10-Q		10-K		10-Q
Balance Sheet Date	2016-12-31		2016-09-30		2015-12-31
Component: (Network and Table)					
Network	101 - Unknown - Balance Sheet, Classified				
Table	Balance Sheet, Classified [Table]				
Reporting Entity [Axis]	0000789019 http://www.sec.gov/CIK				
Unit [Axis]	USD				
	Period [Axis]				
Balance Sheet [Line Items]	2016-12-31	2016-09-30	2016-06-30	2016-03-31	2015-12-31
Assets [Roll Up]					
Current Assets	144,949,000,000	157,909,000,000	139,660,000,000	128,421,000,000	127,812,000,000
Noncurrent Assets	79,661,000,000	54,615,000,000	54,034,000,000	53,448,000,000	52,286,000,000
Assets	224,610,000,000	212,524,000,000	193,694,000,000	181,869,000,000	180,098,000,000
Liabilities and Equity [Roll Up]					
Liabilities [Roll Up]					
Current Liabilities	70,787,000,000	58,810,000,000	59,357,000,000	44,354,000,000	42,643,000,000
Noncurrent Liabilities	85,014,000,000	83,342,000,000	62,340,000,000	62,709,000,000	60,675,000,000
Liabilities	155,801,000,000	142,152,000,000	121,697,000,000	107,063,000,000	103,318,000,000
Commitments and Contingencies	xsi:nil	xsi:nil	xsi:nil	xsi:nil	xsi:nil
Temporary Equity	0	0	0	0	0
Equity [Roll Up]					
Equity Attributable to Parent	68,809,000,000	70,372,000,000	71,997,000,000	74,806,000,000	76,780,000,000
Equity Attributable to Noncontrolling Interest	0	0	0	0	0
Equity	68,809,000,000	70,372,000,000	71,997,000,000	74,806,000,000	76,780,000,000
Liabilities and Equity	224,610,000,000	212,524,000,000	193,694,000,000	181,869,000,000	180,098,000,000
Component: (Network and Table)					
Network	401 - Unknown - Cash Flow Statement				
Table	Cash Flow Statement [Table]				
Reporting Entity [Axis]	0000789019 http://www.sec.gov/CIK				
Unit [Axis]	USD				
	Period [Axis]				
Cash Flow Statement [Line Items]	2016-07-01/2016-12-31	2016-07-01/2016-09-30	2015-07-01/2016-06-30	2015-07-01/2016-03-31	2015-07-01/2015-12-31
Net Cash Flow [Roll Up]					
Net Cash Flow from Operating Activities [Roll Up]					
Net Cash Flow from Operating Activities, Continuing	17,842,000,000	11,549,000,000	33,325,000,000	24,861,000,000	14,192,000,000
Net Cash Flow from Operating Activities, Discontinued	0	0	0	0	0
Net Cash Flow from Operating Activities	17,842,000,000	11,549,000,000	33,325,000,000	24,861,000,000	14,192,000,000
Net Cash Flow from Investing Activities [Roll Up]					
Net Cash Flow from Investing Activities, Continuing	(33,221,000,000)	(18,470,000,000)	(23,950,000,000)	(13,877,000,000)	(8,394,000,000)
Net Cash Flow from Investing Activities, Discontinued	0	0	0	0	0
Net Cash Flow from Investing Activities	(33,221,000,000)	(18,470,000,000)	(23,950,000,000)	(13,877,000,000)	(8,394,000,000)
Net Cash Flow from Financing Activities [Roll Up]					
Net Cash Flow from Financing Activities, Continuing	17,345,000,000	14,329,000,000	(8,393,000,000)	(9,364,000,000)	(4,146,000,000)
Net Cash Flow from Financing Activities, Discontinued	0	0	0	0	0
Net Cash Flow from Financing Activities	17,345,000,000	14,329,000,000	(8,393,000,000)	(9,364,000,000)	(4,146,000,000)
Exchange Gains (Losses)	(8,000,000)	10,000,000	(67,000,000)	(45,000,000)	(62,000,000)
Net Cash Flow	1,958,000,000	7,418,000,000	915,000,000	1,575,000,000	1,590,000,000

## 1.9. Hello world! Represented using XBRL Dimensions

[http://www.xbrlsite.com/seattlemethod/golden/showcase/Showcase\\_HelloWorld\\_UsingDimensions.html](http://www.xbrlsite.com/seattlemethod/golden/showcase/Showcase_HelloWorld_UsingDimensions.html)

Component: (Network and Hypercube)												
Network	30000 - Property, Plant, and Equipment by Component <a href="http://www.xbrlsite.com/helloWorld/helloWorld">http://www.xbrlsite.com/helloWorld/helloWorld</a>											
Hypercube	Fragment (Hypercube)											
Reporting Entity (Aspect)												
SAMP   <a href="http://www.reportingscheme.com/ID">http://www.reportingscheme.com/ID</a>												
Unit (Aspect)												
iso4217:USD												
Concept (Aspect)	Period (Aspect)											
	2020-12-31											
	Component (Dimension)						Component (Dimension)					
	Land (Member)	Buildings (Member)	Furniture and Fixtures (Member)	Computer Equipment (Member)	Other (Member)	All Components (Member)	Land (Member)	Buildings (Member)	Furniture and Fixtures (Member)	Computer Equipment (Member)	Other (Member)	All Components (Member)
Property, Plant and Equipment, Net (Set)												
Property, Plant and Equipment, Net	<sup>(a)</sup> \$ 5,347,000.00	<sup>(b)</sup> \$ 244,508,000.00	<sup>(c)</sup> \$ 34,457,000.00	<sup>(d)</sup> \$ 4,169,000.00	<sup>(e)</sup> \$ 6,702,000.00	<sup>(f)</sup> \$ 295,183,000.00	<sup>(g)</sup> \$ 1,147,000.00	<sup>(h)</sup> \$ 366,375,000.00	<sup>(i)</sup> \$ 34,457,000.00	<sup>(j)</sup> \$ 5,313,000.00	<sup>(k)</sup> \$ 6,149,000.00	<sup>(l)</sup> \$ 413,441,000.00

(a) This is parenthetical comment number 1.  
(b) This is parenthetical comment number 3.  
(c) This is parenthetical comment number 5.  
(d) This is parenthetical comment number 7.  
(e) This is parenthetical comment number 9.  
(f) This is parenthetical comment number 11.  
(g) This is parenthetical comment number 2.  
(h) This is parenthetical comment number 4.  
(i) This is parenthetical comment number 6.  
(j) This is parenthetical comment number 8.  
(k) This is parenthetical comment number 10.  
(l) This is parenthetical comment number 12.

## 1.10. Hello World Small Using Two Dimensions

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/helloworld-using-dim4/index.html>

Concept [Aspect]	Period [Aspect]								
	2020-12-31								
	Geographic Area [Dimension]								
	United States [Member]			Europe [Member]			All Areas [Member]		
	Type [Dimension]								
	Furniture [Member]	Equipment [Member]	All Types [Member]	Furniture [Member]	Equipment [Member]	All Types [Member]	Furniture [Member]	Equipment [Member]	All Types [Member]
Property, Plant and Equipment [Roll Up]									
Property, Plant and Equipment, Gross	\$ 5,000	\$ 7,000	\$ 12,000	\$ 10,000	\$ 14,000	\$ 24,000	\$ 15,000	\$ 21,000	\$ 36,000
Accumulated Depreciation	0	0	0	0	0	0	0	0	0
Property, Plant and Equipment	\$ 5,000	\$ 7,000	\$ 12,000	\$ 10,000	\$ 14,000	\$ 24,000	\$ 15,000	\$ 21,000	\$ 36,000

## 1.11. Marbles Small (using 3 dimensions)

Platinum test case: <https://www.xbrlsite.com/seattlemethod/platinum-testcases/marbles-small/index.html>

Component: (Network and Hypercube)	
Network	01-Test <a href="http://www.xbrlsite.com/seattlemethod/platinum-testcases/marbles-small/index.html">http://www.xbrlsite.com/seattlemethod/platinum-testcases/marbles-small/index.html</a>
Hypercube	Test (Hypercube)
Reporting Entity (Aspect)	
Unit (Aspect)	CH258400T/COMP/UCOL/5551   <a href="http://standards.iso.org/iso/17462">http://standards.iso.org/iso/17462</a> Pure
Concept (Aspect)	Period (Aspect)
	2022-12-31
	Color (Dimension)
	Red (Member)
	Yellow (Member)
	All Colors (Member)
	Material (Dimension)
	Plastic (Member)
	Glass (Member)
	All Materials (Member)
Size (Dimension)	
Large (Member)	
Small (Member)	
All Sizes (Member)	
Quantity (Dimension)	
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(Note that no math rules are provided for this test case at this time.)



## 1.12. Hello World! With Many Periods

Component: (Network and Hypercube)	
Network	30000 - Property, Plant, and Equipment by Component (http://www.xbrlsite.com/helloWorld/role/HelloWorld)
Hypercube	Implied
Reporting Entity [Aspect]	SAMP   http://www.reportingscheme.com/ID
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]					
	2020-12-31	2019-12-31	2018-12-31	2017-12-31	2016-12-31	2015-12-31
Property, Plant and Equipment, Net (Roll Up)						
Land	\$ 5,347,000,000,000,000	\$ 1,147,000,000	\$ 5,347,000,000	\$ 1,147,000,000	\$ 5,347,000,000	\$ 1,147,000,000
Buildings, Net	244,508,000,000,000,000	366,375,000,000	244,508,000,000	366,375,000,000	244,508,000,000	366,375,000,000
Furnitures and Fixtures, Net	34,457,000,000,000,000	34,457,000,000	34,457,000,000	34,457,000,000	34,457,000,000	34,457,000,000
Computer Equipment, Net	4,169,000,000,000,000	5,313,000,000	4,169,000,000	5,313,000,000	4,169,000,000	5,313,000,000
Other Property, Plant and Equipment, Net	6,702,000,000,000,000	6,149,000,000	6,702,000,000	6,149,000,000	6,702,000,000	6,149,000,000
Property, Plant and Equipment, Net	\$ 295,183,000,000,000,000	\$ 413,441,000,000	\$ 295,183,000,000	\$ 413,441,000,000	\$ 295,183,000,000	\$ 413,441,000,000

## 1.13. Billions (rendering many periods of large numbers)

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/billions/index.html>

Component: (Network and Hypercube)

Network

01-Financial Highlights  
(http://www.xbrlsite.com/report/role/FinancialHighlights)

Hypercube

Implied

Reporting Entity [Aspect]

10810137d58f76b84aaa | http://standards.iso.org/iso/17442

Concept [Aspect]	Period [Aspect]					
	2021-01-01   2021-12-31	2020-01-01   2020-12-31	2019-01-01   2019-12-31	2018-01-01   2018-12-31	2017-01-01   2017-12-31	
Financial highlights [Set]						
Revenues, net	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	
Income (loss) from continuing operations	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	
Net income (loss)	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	
Cash flow provided by (used in) operating activities, net	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	
Capital additions	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	
Average number of employees	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	999,999,999,999.00	

Table

(implied)

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Period

Concept

Unit

Concept	Unit	Period	2021-01-01 to 2021-12-31	2020-01-01 to 2020-12-31	2019-01-01 to 2019-12-31	2018-01-01 to 2018-12-31	2017-01-01 to 2017-12-31
Financial highlights [Set]							
Revenues, net	iso4217:EUR		999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Income (loss) from continuing operations	iso4217:EUR		999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Net income (loss)	iso4217:EUR		999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Cash flow provided by (used in) operating activities, net	iso4217:EUR		999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Capital additions	iso4217:EUR		999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Average number of employees	pure		999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999

Component: (Network and Table)						
Network	01 - Unknown Financial Highlights					
Table	Implied (Table)					
Reporting Entity [Axis]	10810137d58f76b84aaa <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>					
	Period [Axis]					
Implied [Line Items]	Unit [Axis]	2021-01-01/2021-12-31	2020-01-01/2020-12-31	2019-01-01/2019-12-31	2018-01-01/2018-12-31	2017-01-01/2017-12-31
Financial highlights [Set]						
Revenues, net	EUR	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Income (loss) from continuing operations	EUR	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Net income (loss)	EUR	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Cash flow provided by (used in) operating activities, net	EUR	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Capital additions	EUR	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999
Average number of employees	pure	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999	999,999,999,999



## 1.14. Trillions

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/trillions/index.html>

Component (Network and Hypercube)

Network

Hypercube

01-Financial Highlights  
(http://www.xbrlsite.com/report/01/FinancialHighlights)  
Implied

Reporting Entity (Aspect)

10810137d58f7b64aaa | http://standards.iso.org/iso/17442

Concept (Aspect)

Period (Aspect)

2021-01-01 | 2021-12-31

2020-01-01 | 2020-12-31

2019-01-01 | 2019-12-31

2018-01-01 | 2018-12-31

2017-01-01 | 2017-12-31

2016-01-01 | 2016-12-31

2015-01-01 | 2015-12-31

2014-01-01 | 2014-12-31

2013-01-01 | 2013-12-31

2012-01-01 | 2012-12-31

Financial highlights (Set)  
Revenues, net  
Income (loss) from continuing operations  
Net income (loss)  
Cash flow provided by (used in) operating activities, net  
Capital additions  
Average number of employees

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2020-01-01 to 2020-12-31

2019-01-01 to 2019-12-31

2018-01-01 to 2018-12-31

2017-01-01 to 2017-12-31

2016-01-01 to 2016-12-31

2015-01-01 to 2015-12-31

2014-01-01 to 2014-12-31

2013-01-01 to 2013-12-31

2012-01-01 to 2012-12-31

Financial highlights (Set)  
Revenues, net  
Income (loss) from continuing operations  
Net income (loss)  
Cash flow provided by (used in) operating activities, net  
Capital additions  
Average number of employees

iso4217:CHF

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Modeling

Business Structure

Fact Table

Business Rules Structure

Business Rules Validation Results

Elements

Component (Network and Table)

Network

01-Financial Highlights

Implied Table

Reporting Entity (Table)

10810137d58f7b64aaa | http://standards.iso.org/iso/17442

Implied (Line Items)

Unit (Axis)

2021-01-01/2021-12-31

2020-01-01/2020-12-31

2019-01-01/2019-12-31

2018-01-01/2018-12-31

2017-01-01/2017-12-31

2016-01-01/2016-12-31

2015-01-01/2015-12-31

2014-01-01/2014-12-31

2013-01-01/2013-12-31

2012-01-01/2012-12-31

Financial highlights (Set)  
Revenues, net  
Income (loss) from continuing operations  
Net income (loss)  
Cash flow provided by (used in) operating activities, net  
Capital additions  
Average number of employees

CHF

999,999,999,999

999,999,999,999

999,999,999,999

999,999,999,999

999,999,999,999

999,999,999,999

999,999,999,999

999,999,999,999

999,999,999,999

999,999,999,999

## 1.15. Units

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/units/index.html>

Component: (Network and Hypercube)	
Network	01-Units ( <a href="http://www.xbrlsite.com/report/role/Units">http://www.xbrlsite.com/report/role/Units</a> )
Hypercube	Implied

Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
---------------------------	------------------------------------------------------------------------------------------------------------

Concept [Aspect]	Units	Period [Aspect]
		2021-01-01   2021-12-31
Units [Set]		
Decimal	Gallons	123.123
Float	Barrels	123.123
Double	SquareFoot	123.123
Integer	Pounds	123
Integer-Nonpositive	Hectare	(123)
Integer-Negative	Megawatt	(123)
Long	Bushel	10000
Int	AcreFoot	10000
Short	SquareMile	10000
Integer-Nonnegative	Ton	123
Pure	CubicFoot	123.123

Table	
(implied)	Period
Concept	Period
Unit	2021-01-01 to 2021-12-31
Units [Set]	
Decimal	utr:gal 123.123
Float	utr:bbl 123.123
Double	utr:sqft 123.123
Integer	utr:lb 123
Integer-Nonpositive	utr:ha (123)
Integer-Negative	utr:MW (123)
Long	utr:bu 10,000
Int	utr:aft 10,000
Short	utr:sqmi 10,000
Integer-Nonnegative	utr:T 123
Pure	utr:ft3 123.123

Component: (Network and Table)	
Network	01 - Unknown - Units
Table	Implied [Table]
Reporting Entity [Axis]	GH259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Implied [Line Items]	Unit [Axis]
Units [Set]	2021-01-01/2021-12-31
Decimal	gal 123
Float	bbl 123.123
Double	sqft 123.123
Integer	lb 123
Integer-Nonpositive	ha (123)
Integer-Negative	MW (123)
Long	bu 10000
Int	aft 10000
Short	sqmi 10000
Integer-Nonnegative	T 123
Pure	ft3 123.123

## 1.16. Data Types

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/datatypes/index.html>

Concept [Aspect]	Units	Period [Aspect]
		2021-01-01   2021-12-31
Monetary	iso4217:USD	0
String		This is a string.
TextBlock		Sed mauris. Nulla facilisi. Fusce tristique posuere ipsum.
Shares	Shares	10000
Percent	Pure	10%
Date		2022-12-31
Decimal	Pure	123
Float	Pure	123
Double	Pure	123
Integer	Pure	123
Integer-Nonpositive	Pure	(123)
Integer-Negative	Pure	(123)
Long	Pure	10000
Int	Pure	10000
Short	Pure	10000
Byte	Pure	1
Integer-Nonnegative	Pure	123
Pure	Pure	123
Boolean		Yes
String-Token		token
String-Normalized		Normalized string has no leading or trailing spaces and only single space between words.
Time		10:00:00
Base64		B64S B64S B64S B64S
URI		http://www.xbrlsite.com
DateTime		2000-01-01T12:00
Integer-Positive	Pure	12345
Hex		0FB7
Qualified-Name		us-gaap:Assets
Per-Share	USD/shares	12

MASTERING XBRL-BASED DIGITAL FINANCIAL REPORTING – PART 4: EXAMPLES AND SAMPLES – SHOWCASE OF REPORTS –  
CHARLES HOFFMAN, CPA

		Period	
Concept	Unit		2021-01-01 to 2021-12-31
<b>Data Types [Set]</b>			
Shares	shares		10,000
Percent	pure		0
Date	null		2022-12-31
Decimal	pure		123
Float	pure		123
Double	pure		123
Integer	pure		123
Integer-Nonpositive	pure		(123)
Integer-Negative	pure		(123)
Long	pure		10,000
Int	pure		10,000
Short	pure		10,000
Byte	pure		1
Integer-Nonnegative	pure		123
Pure	pure		123
Boolean	null		true
String-Token	null		token
String-Normalized	null		Normalized string has no leading or trailing spaces and only single space between words.
Time	null		10:00
Base64	null		B64S B64S B64S B64S
URI	null		http://www.xbrlsite.com
Integer-Positive	pure		12,345
Hex	null		0FB7
Per-Share	(iso4217:USD)/shares		12

Component: (Network and Table)			
Network	01 - Unknown - Data Types		
Table	Implied [Table]		
Reporting Entity [Axis]		GH259400TOMPUOLS65II http://standards.iso.org/iso/17442	
Implied [Line Items]		Period [Axis]	
Unit [Axis]		2021-01-01/2021-12-31	
Data Types [Set]			
Monetary	USD		0
String		This is a string.	
Shares	shares		10,000
Percent	pure		0.1
Date		2022-12-31	
Decimal	pure		123
Float	pure	123.123	
Double	pure	123.123	
Integer	pure		123
Integer-Nonpositive	pure		(123)
Integer-Negative	pure		(123)
Long	pure	10000	
Int	pure	10000	
Short	pure	10000	
Byte	pure	1	
Integer-Nonnegative	pure		123
Pure	pure	123.123	
Boolean		true	
String-Token		token	
String-Normalized		Normalized string has no leading or trailing spaces and only single space between words.	
Time		10:00:00	
Base64		B64S B64S B64S B64S	
URI		http://www.xbrlsite.com	
Integer-Positive	pure		12,345
Hex		0FB7	
Per-Share	USD/shares / shares		12

## 1.17. Dimensions, PPE

Platinum test case: <http://xbrlsite.com/seattlemethod/platinum-testcases/dimensions-ppe/index.html>

Component: (Network and Hypercube)	
Network	201-Policies-Property, Plant, and Equipment Policies ( <a href="http://luca.audchain.fi/finance/propertyPlantAndEquipmentPolicies">http://luca.audchain.fi/finance/propertyPlantAndEquipmentPolicies</a> )
Hypercube	Property, Plant and Equipment Policies by Class [Hypercube]

Reporting Entity (Aspect)	GH25940010M/PULS658   <a href="http://standards.bo.org/iso/17442">http://standards.bo.org/iso/17442</a>
---------------------------	---------------------------------------------------------------------------------------------------------

Concept (Aspect)	Period (Aspect)				
	2022-01-01   2022-12-31				
	Class (Dimension)				
	Freehold Land (Member)	Buildings (Member)	Plant and Machinery (Member)	Furniture and Fittings (Member)	All Classes (Member)
Property, Plant and Equipment Policies [Set]					
Measurement Basis of Property, Plant and Equipment	This is a string.	This is a string.	This is a string.	This is a string.	
Depreciation Method of Property, Plant and Equipment	This is a string.	This is a string.	This is a string.	This is a string.	
Useful Lives or Depreciation Rates Used of Property, Plant and Equipment	This is a string.	This is a string.	This is a string.	This is a string.	

Component: (Network and Hypercube)	
Network	251-Classification-Property, Plant and Equipment Items ( <a href="http://luca.audchain.fi/finance/propertyPlantAndEquipmentItems">http://luca.audchain.fi/finance/propertyPlantAndEquipmentItems</a> )
Hypercube	Property, Plant and Equipment by Class [Hypercube]

Reporting Entity (Aspect)	GH25940010M/PULS658   <a href="http://standards.bo.org/iso/17442">http://standards.bo.org/iso/17442</a>
Unit (Aspect)	iso4217-AUD

Concept (Aspect)	Period (Aspect)									
	2022-12-31					2021-12-31				
	Class (Dimension)					Class (Dimension)				
	Freehold Land (Member)	Buildings (Member)	Plant and Machinery (Member)	Furniture and Fittings (Member)	All Classes (Member)	Freehold Land (Member)	Buildings (Member)	Plant and Machinery (Member)	Furniture and Fittings (Member)	All Classes (Member)
Property, Plant and Equipment, Net (Roll Up)										
Property, Plant and Equipment, Gross	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Accumulated Depreciation, Amortisation, and Impairment	0	0	0	0	0	0	0	0	0	0
Property, Plant and Equipment, Net	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

Component: (Network and Hypercube)	
Network	501-Movements-Property, Plant, and Equipment Changes ( <a href="http://luca.audchain.fi/finance/propertyPlantAndEquipmentChanges">http://luca.audchain.fi/finance/propertyPlantAndEquipmentChanges</a> )
Hypercube	Property, Plant and Equipment Movements [Hypercube]

Reporting Entity (Aspect)	GH25940010M/PULS658   <a href="http://standards.bo.org/iso/17442">http://standards.bo.org/iso/17442</a>
Unit (Aspect)	iso4217-AUD

Concept (Aspect)	Period (Aspect)					
	Period	Class (Dimension)				
		Freehold Land (Member)	Buildings (Member)	Plant and Machinery (Member)	Furniture and Fittings (Member)	All Classes (Member)
Property, Plant, and Equipment (Roll Forward)						
Property, Plant and Equipment, Net, Beginning Balance	2021-12-31	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Additions to Property, Plant, and Equipment	2022-01-01   2022-12-31	0	0	0	0	0
Classified as Held for Sale Property, Plant, and Equipment	2022-01-01   2022-12-31	0	0	0	0	0
Acquisitions of Property, Plant, and Equipment Through Business Combinations	2022-01-01   2022-12-31	0	0	0	0	0
Revaluations from Impairment Losses (Recognized) Reversed in Other Comprehensive Income	2022-01-01   2022-12-31	0	0	0	0	0
Transfers (to) from Investment Property	2022-01-01   2022-12-31	0	0	0	0	0
Impairment Losses (Recognized) Reversed in Profit or Loss	2022-01-01   2022-12-31	0	0	0	0	0
Depreciation of Property, Plant and Equipment	2022-01-01   2022-12-31	0	0	0	0	0
Other Miscellaneous Increases (Decreases) in Property, Plant and Equipment	2022-01-01   2022-12-31	0	0	0	0	0
Property, Plant and Equipment, Net, Ending Balance	2022-12-31	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

## 1.18. Understanding Intersections

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/intersections/index.html>

Component: (Network and Hypercube)										
Network	262-Disaggregation-Property, Plant and Equipment Items ( <a href="http://luca.auditchain.finance/report/role/PropertyPlantAndEquipmentItems">http://luca.auditchain.finance/report/role/PropertyPlantAndEquipmentItems</a> )									
Hypercube	Property, Plant and Equipment by Class [Hypercube]									
Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>									
Unit [Aspect]	iso4217-AUD									
Concept [Aspect]	Period [Aspect]									
	2022-12-31					2021-12-31				
	Class [Dimension]					Class [Dimension]				
	Freehold Land [Member]	Buildings [Member]	Plant and Machinery [Member]	Furniture and Fittings [Member]	All Classes [Member]	Freehold Land [Member]	Buildings [Member]	Plant and Machinery [Member]	Furniture and Fittings [Member]	All Classes [Member]
Property, Plant and Equipment, Net [Roll Up]										
Property, Plant and Equipment, Gross	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Accumulated Depreciation, Amortisation, and Impairment	0	0	0	0	0	0	0	0	0	0
Property, Plant and Equipment, Net	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

The screenshot displays the XBRL Platinum test case interface. On the left, a sidebar shows a tree of report elements, including '101-Statement-Statement of Financial Position, Liquidity', '202-Policies-Property, Plant, and Equipment Policies', '262-Disaggregation-Property, Plant and Equipment Items', and '501-Movements-Property, Plant, and Equipment Changes'. The main area shows a 'Statement of Financial Position, Liquidity [Hypercube]' for the reporting entity 'GH259400TOMPUOLS65II' as of '2022-12-31'. The table lists various assets and liabilities, with 'Property, Plant and Equipment, Net' highlighted in yellow. A 'Report Element Properties' dialog is open, showing the 'Occurrences' tab for the selected element '101-Statement-Statement of Financial Position, Liquidity'. The dialog lists the fragments containing the element: '101-Statement-Statement of Financial Position, Liquidity', '262-Disaggregation-Property, Plant and Equipment Items', and '501-Movements-Property, Plant, and Equipment Changes'. The bottom of the interface shows the 'Component Properties' for the 'Network' and 'Table' components.

## 1.19. Comparison of Information for 300 Entities

The following example shows a normalized comparison of the information which was extracted from 300 different XBRL-based financial reports submitted to the Securities and Exchange commission, extracting the information, normalizing the information, putting all that information into an XBRL-based report and report model which represents the information, then generating a rendering of that report.

Instance:

<http://www.xbrlsite.com/seattlemethod/golden/showcase/ComparisonOf300Companies/instance.xml>

Human readable:

<http://www.xbrlsite.com/seattlemethod/golden/showcase/ComparisonOf300Companies/Report.html>

Human readable:

<http://www.xbrlsite.com/seattlemethod/golden/showcase/ComparisonOf300Companies/evidence-package/>

Validation of report and report model: [https://auditchain.infura-](https://auditchain.infura-ipfs.io/ipfs/QmPeVNOQhTnxbmUhsfeDhu67yWqh2pwbWiu6Jhq3Haew34/)

[ipfs.io/ipfs/QmPeVNOQhTnxbmUhsfeDhu67yWqh2pwbWiu6Jhq3Haew34/](https://auditchain.infura-ipfs.io/ipfs/QmPeVNOQhTnxbmUhsfeDhu67yWqh2pwbWiu6Jhq3Haew34/)

Component (Network and Hypercube)										
Network	21.0-Income Statement Multi Step (Most Common, SPEC6)									
Hypercube	http://www.auditchain.infura-ipfs.io/ipfs/QmPeVNOQhTnxbmUhsfeDhu67yWqh2pwbWiu6Jhq3Haew34/IncomeStatementSingleStep_Special									
Unit [Aspect]	iso4217:USD									
Concept [Aspect]	0001627611   http://www.sec.gov/cik	0001347858   http://www.sec.gov/cik	0001496443   http://www.sec.gov/cik	0001580808   http://www.sec.gov/cik	0001651235   http://www.sec.gov/cik	0001001483   http://www.sec.gov/cik	0001352952   http://www.sec.gov/cik	0000002034   http://www.sec.gov/cik	0000002098   http://www.sec.gov/cik	
	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31
Net Income Loss (Roll Up)										
Income Loss From Continuing Operations After Tax (Roll Up)										
Income Loss From Continuing Operations Before Tax (Roll Up)										
Operating Income (Loss) (Roll Up)										
Gross Profit (Roll Up)										
Revenues	\$ 60,787.00	\$ 26,426,347.00	\$ 23,423,675.00	\$ 232,223,000.00	\$ 339,891,000.00	\$ 478,231.00	\$ 24,104,624.00	\$ 711,359,000.00	\$ 137,321,395.00	
Cost Of Revenue	49,586.00	25,527,360.00	12,026,452.00	51,896,000.00	192,771,000.00	241,343.00	9,066,896.00	599,796,000.00	86,672,413.00	
Gross Profit	11,201.00	898,987.00	11,397,223.00	180,327,000.00	147,120,000.00	236,888.00	15,037,728.00	111,563,000.00	50,648,982.00	
Operating Expenses	1,370,715.00	24,917,614.00	8,924,595.00	208,006,000.00	154,270,000.00	1,634,885.00	16,142,454.00	388,575,000.00	43,192,076.00	
Operating Income (Loss)	(1,359,514.00)	(24,018,627.00)	2,472,628.00	(27,679,000.00)	(7,150,000.00)	(1,397,997.00)	(1,104,726.00)	(275,012,000.00)	7,456,906.00	
Nonoperating Income (Loss) Plus Interest and Debt Expense	(59,241.00)	18,051,716.00	108,613.00	1,144,000.00	6,746,000.00	(435,731.00)	(1,319,762.00)	(17,810,000.00)	(1,925,662.00)	
Income (Loss) From Continuing Operations After Tax	(1,418,755.00)	(7,966,911.00)	2,581,241.00	(26,535,000.00)	(404,000.00)	(1,833,728.00)	(2,424,488.00)	(292,822,000.00)	5,531,224.00	
Income Tax Expense (Benefit)	0.00	0.00	0.00	1,082,000.00	(5,320,000.00)	0.00	0.00	23,299,000.00	932,874.00	
Income (Loss) From Continuing Operations After Tax	(1,418,755.00)	(7,966,911.00)	2,581,241.00	(27,617,000.00)	4,916,000.00	(1,833,728.00)	(2,424,488.00)	(316,121,000.00)	4,598,350.00	
Income (Loss) From Discontinued Operations, Net Of Tax	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Net Income (Loss)	\$ (1,418,755.00)	\$ (7,966,911.00)	\$ 2,581,241.00	\$ (27,617,000.00)	\$ 4,916,000.00	\$ (1,833,728.00)	\$ (2,424,488.00)	\$ (316,121,000.00)	\$ 4,598,350.00	

Period [Date]	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31	2018-01-01   2018-12-31
Net Income Loss (Roll Up)										
Income Loss From Continuing Operations After Tax (Roll Up)										
Income Loss From Continuing Operations Before Tax (Roll Up)										
Operating Income (Loss) (Roll Up)										
Gross Profit (Roll Up)										
Revenues	711,378,000	137,321,395	18,776,761	113,461,000	2,685,276	1,902,972,000	1,902,972,000	65,762,946	1,213,989,000	1,904,222
Cost Of Revenue	599,796,000	86,672,413	16,215,227	65,398,000	2,085,405	1,345,886,000	1,071,862,000	44,405,687	778,713,000	1,369,569
Gross Profit	111,582,000	50,648,982	2,561,534	48,063,000	599,871	557,086,000	831,110,000	21,357,259	435,276,000	534,653
Operating Expenses	388,575,000	43,192,076	6,904,628	38,096,000	862,894	258,371,000	437,674,000	27,882,567	288,794,000	1,137,962
Operating Income (Loss)	(276,993,000)	(91,543,094)	1,656,906	9,967,000	(263,023)	298,715,000	393,436,000	(6,525,308)	146,482,000	(593,309)
Nonoperating Income (Loss) Plus Interest and Debt Expense	(1,418,755.00)	(7,966,911.00)	2,581,241.00	(27,617,000.00)	4,916,000.00	(1,833,728.00)	(2,424,488.00)	(316,121,000.00)	4,598,350.00	
Income Tax Expense (Benefit)	0.00	0.00	0.00	1,082,000.00	(5,320,000.00)	0.00	0.00	23,299,000.00	932,874.00	
Income (Loss) From Continuing Operations After Tax	(1,418,755.00)	(7,966,911.00)	2,581,241.00	(27,617,000.00)	4,916,000.00	(1,833,728.00)	(2,424,488.00)	(316,121,000.00)	4,598,350.00	
Income (Loss) From Discontinued Operations, Net Of Tax	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Net Income (Loss)	\$ (1,418,755.00)	\$ (7,966,911.00)	\$ 2,581,241.00	\$ (27,617,000.00)	\$ 4,916,000.00	\$ (1,833,728.00)	\$ (2,424,488.00)	\$ (316,121,000.00)	\$ 4,598,350.00	

Note that four different software applications show the same information consistently with different sets of features: XBRL Cloud, Auditchain Pacioli, Auditchain Luca, Pesseract.



## 1.20. Basic dimensional aggregation

Component: (Network and Hypercube)												
Network	09-Segment Revenues ( <a href="http://www.xbrlsite.com/report/role/SegmentRevenues">http://www.xbrlsite.com/report/role/SegmentRevenues</a> )											
Hypercube	Segment Revenues [Hypercube]											
Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>											
Unit [Aspect]	iso4217:USD											
Concept [Aspect]	Period [Aspect]											
	2020-01-01   2020-12-31						2019-01-01   2019-12-31					
	Segments [Axis]						Segments [Axis]					
	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	Segment Delta [Member]	Segment Echo [Member]	All Segments [Member]	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	Segment Delta [Member]	Segment Echo [Member]	All Segments [Member]
Segment Revenues [Set]												
Revenues	1,000.00	4,000.00	2,000.00	0.00	0.00	7,000.00	100.00	400.00	200.00	0.00	0.00	700.00
(Expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(Losses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comprehensive Income	1,000.00	4,000.00	2,000.00	0.00	0.00	7,000.00	100.00	400.00	200.00	0.00	0.00	700.00

## 1.21. Two dimensions aggregating

Platinum testcase: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/two-dimension-aggregation/>

Concept [Aspect]	Period [Aspect]											
	2023-01-01   2023-12-31											
	Scenario [Dimension]											
	Budgeted [Member]				Variance [Member]				Actual [Member]			
	Segment [Dimension]											
	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	All Segments [Member]	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	All Segments [Member]	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	All Segments [Member]
Revenues [Set]												
Revenues	1,000	500	500	2,000	0	0	0	0	500	500	1,000	2,000

## 1.22. Three dimensions aggregating

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/marbles/>

Concept [Aspect]	Period [Aspect]											
	2023-12-31											
	Color [Dimension]											
	Material [Dimension]											
Quantity	Plastic [Member]				Metal [Member]				Glass [Member]			
	Large [Member]	Small [Member]	All Sizes [Member]	All Sizes [Member]	Large [Member]	Small [Member]	All Sizes [Member]	All Sizes [Member]	Large [Member]	Small [Member]	All Sizes [Member]	All Sizes [Member]
Quantity	8	8	8	8	4	4	4	4	4	4	4	4
Red [Member]	1	1	1	1	1	1	1	1	1	1	1	1
Yellow [Member]	3	3	3	3	1	1	1	1	1	1	1	1
Extra Large [Member]	1	1	1	1	1	1	1	1	1	1	1	1
Large [Member]	1	1	1	1	1	1	1	1	1	1	1	1
Small [Member]	1	1	1	1	1	1	1	1	1	1	1	1
Extra Large [Member]	1	1	1	1	1	1	1	1	1	1	1	1
Large [Member]	1	1	1	1	1	1	1	1	1	1	1	1
Small [Member]	1	1	1	1	1	1	1	1	1	1	1	1

## 1.23. Many entities

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/many-entities/index.html>

Reporting Entity	0000001800 (http://www.sec.gov/CIK)	0000002969 (http://www.sec.gov/CIK)	0000004904 (http://www.sec.gov/CIK)	0000004977 (http://www.sec.gov/CIK)	0000005272 (http://www.sec.gov/CIK)	0000005513 (http://www.sec.gov/CIK)	0000006281 (http://www.sec.gov/CIK)	0000006951 (http://www.sec.gov/CIK)
Period	2015-01-01 to 2015-12-31	2015-01-01 to 2015-12-31	2015-01-01 to 2015-12-31	2015-01-01 to 2015-12-31	2015-01-01 to 2015-12-31	2015-01-01 to 2015-12-31	2015-01-01 to 2015-12-31	2015-01-01 to 2015-12-31
Concept								
Query (Hierarchy)								
Revenue	15,217,000,000	9,894,900,000	12,839,000,000	15,553,000,000	44,496,000,000	8,008,900,000	3,435,092,000	9,659,000,000

Component: (Network and Table)			
Network	01 - Unknown - Query		
Table	Query [Table]		
Legal Entity [Axis]		Consolidated Entity [Member]	
Unit [Axis]		USD	
		Period [Axis]	
Query [Line Items]		Reporting Entity [Axis]	2015-01-01/2015-12-31
Query [Hierarchy]			
Revenue	0000001800 http://www.sec.gov/CIK		15,217,000,000
	0000002969 http://www.sec.gov/CIK		9,894,900,000
	0000004904 http://www.sec.gov/CIK		12,839,000,000
	0000004977 http://www.sec.gov/CIK		15,553,000,000
	0000005272 http://www.sec.gov/CIK		44,496,000,000
	0000005513 http://www.sec.gov/CIK		8,008,900,000
	0000006281 http://www.sec.gov/CIK		3,435,092,000
	0000006951 http://www.sec.gov/CIK		9,659,000,000
	0000007084 http://www.sec.gov/CIK		51,257,000,000
	0000007332 http://www.sec.gov/CIK		2,446,000,000
	0000008670 http://www.sec.gov/CIK		2,714,000,000
	0000008818 http://www.sec.gov/CIK		4,512,100,000
	0000008868 http://www.sec.gov/CIK		5,284,500,000
	0000009389 http://www.sec.gov/CIK		6,192,400,000
	0000010456 http://www.sec.gov/CIK		7,365,000,000
	0000010795 http://www.sec.gov/CIK		10,282,000,000
	0000011199 http://www.sec.gov/CIK		3,088,700,000

## 1.24. Many periods

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/many-periods/index.html>

Component: (Network and Hypercube)	
Network	30000 - Property, Plant, and Equipment by Component ( <a href="http://www.xbrlsite.com/helloWorld/role/HelloWorld">http://www.xbrlsite.com/helloWorld/role/HelloWorld</a> )
Hypercube	Implied

Reporting Entity [Aspect]	SAMP   <a href="http://www.reportingscheme.com/ID">http://www.reportingscheme.com/ID</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]					
	2020-12-31	2019-12-31	2018-12-31	2017-12-31	2016-12-31	2015-12-31
Land	\$ 5,347,000	\$ 1,147,000	\$ 5,347,000	\$ 1,147,000	\$ 5,347,000	\$ 1,147,000
Buildings, Net	244,508,000	366,375,000	244,508,000	366,375,000	244,508,000	366,375,000
Furnitures and Fixtures, Net	34,457,000	34,457,000	34,457,000	34,457,000	34,457,000	34,457,000
Computer Equipment, Net	4,169,000	5,313,000	4,169,000	5,313,000	4,169,000	5,313,000
Other Property, Plant and Equipment, Net	6,702,000	6,149,000	6,702,000	6,149,000	6,702,000	6,149,000
Property, Plant and Equipment, Net	\$ 295,183,000	\$ 413,441,000	\$ 295,183,000	\$ 413,441,000	\$ 295,183,000	\$ 413,441,000

Table

(implied)

↕↔

Period

Concept

	Period	2020-12-31	2019-12-31	2018-12-31	2017-12-31	2016-12-31	2015-12-31
Concept							
Property, Plant and Equipment, Net [Roll Up]							
Land		5,347,000	1,147,000	5,347,000	1,147,000	5,347,000	1,147,000
Buildings, Net		244,508,000	366,375,000	244,508,000	366,375,000	244,508,000	366,375,000
Furnitures and Fixtures, Net		34,457,000	34,457,000	34,457,000	34,457,000	34,457,000	34,457,000
Computer Equipment, Net		4,169,000	5,313,000	4,169,000	5,313,000	4,169,000	5,313,000
Other Property, Plant and Equipment, Net		6,702,000	6,149,000	6,702,000	6,149,000	6,702,000	6,149,000
Property, Plant and Equipment, Net		295,183,000	413,441,000	295,183,000	413,441,000	295,183,000	413,441,000

Component: (Network and Table)							
Network	30000 - Unknown - Property, Plant, and Equipment by Component						
Table	Implied [Table]						
Reporting Entity [Axis]	SAMP <a href="http://www.reportingscheme.com/ID">http://www.reportingscheme.com/ID</a>						
Unit [Axis]	USD						
	Period [Axis]						
Implied [Line Items]	2020-12-31	2019-12-31	2018-12-31	2017-12-31	2016-12-31	2015-12-31	
<b>Property, Plant and Equipment, Net [Roll Up]</b>							
Land	5,347,000	1,147,000	5,347,000	1,147,000	5,347,000	1,147,000	
Buildings, Net	244,508,000	366,375,000	244,508,000	366,375,000	244,508,000	366,375,000	
Furnitures and Fixtures, Net	34,457,000	34,457,000	34,457,000	34,457,000	34,457,000	34,457,000	
Computer Equipment, Net	4,169,000	5,313,000	4,169,000	5,313,000	4,169,000	5,313,000	
Other Property, Plant and Equipment, Net	6,702,000	6,149,000	6,702,000	6,149,000	6,702,000	6,149,000	
Property, Plant and Equipment, Net	295,183,000	413,441,000	295,183,000	413,441,000	295,183,000	413,441,000	

## 1.25. Many currencies

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/many-currencies/index.html>

Concept	Reporting Entity	AA259400TOMPUOLS65II ( <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a> )						GH259400TOMPUOLS65II ( <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a> )					
	Period	2021-12-31			2020-12-31			2021-12-31			2020-12-31		
	Unit	iso4217:EUR	iso4217:GBP	iso4217:USD	iso4217:EUR	iso4217:GBP	iso4217:USD	iso4217:EUR	iso4217:GBP	iso4217:USD	iso4217:EUR	iso4217:GBP	iso4217:USD
Balance Sheet [Arithmetic]													
Assets		4,000	7,000	3,500	0	0	0	4,000	7,000	3,500	0	0	0
Liabilities		600	1,000	500	0	0	0	600	1,000	500	0	0	0
Equity		3,400	6,000	3,000	0	0	0	3,400	6,000	3,000	0	0	0

Table

(implied)

Reporting Entity

Period

Unit

Concept

		Reporting Entity	AA259400TOMPUOLS65II ( <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a> )		GH259400TOMPUOLS65II ( <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a> )	
		Period				
Unit	Concept		2021-12-31	2020-12-31	2021-12-31	2020-12-31
	Balance Sheet [Arithmetic]					
iso4217:EUR	Assets		4,000	0	4,000	0
	Liabilities		600	0	600	0
	Equity		3,400	0	3,400	0
iso4217:GBP	Assets		7,000	0	7,000	0
	Liabilities		1,000	0	1,000	0
	Equity		6,000	0	6,000	0
iso4217:USD	Assets		3,500	0	3,500	0
	Liabilities		500	0	500	0
	Equity		3,000	0	3,000	0

Component: (Network and Table)

Network	01 - Unknown - Balance Sheet
Table	Implied (Table)

Drop Filter Fields Here

		Period [Axis] ▼	Reporting Entity [Axis] ▲		
		2021-12-31		2020-12-31	
Unit [Axis] ▼	Implied [Line Items]	AA259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>	GH259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>	AA259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>	GH259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
USD	Balance Sheet [Arithmetic]				
	Assets	3,500	3,500	0	0
	Liabilities	500	500	0	0
	Equity	3,000	3,000	0	0
GBP	Balance Sheet [Arithmetic]				
	Assets	7,000	7,000	0	0
	Liabilities	1,000	1,000	0	0
	Equity	6,000	6,000	0	0
EUR	Balance Sheet [Arithmetic]				
	Assets	4,000	4,000	0	0
	Liabilities	600	600	0	0
	Equity	3,400	3,400	0	0

Component: (Network and Table)	
Network	01 - Balance Sheet ( <a href="http://www.xbrlsite.com/report/role/BalanceSheet">http://www.xbrlsite.com/report/role/BalanceSheet</a> )
Table	(Implied)

Balance Sheet [Arithmetic]	Reporting Entity [Axis]											
	AA259400TOMPUOLS65II ( <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a> )						GH259400TOMPUOLS65II ( <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a> )					
	2021-12-31			2020-12-31			2021-12-31			2020-12-31		
	Unit			Unit			Unit			Unit		
	GBP	USD	EUR	GBP	USD	EUR	GBP	USD	EUR	GBP	USD	EUR
Assets	7,000	3,500	4,000	0	0	0	7,000	3,500	4,000	0	0	0
Liabilities	1,000	500	600	0	0	0	1,000	500	600	0	0	0
Equity	6,000	3,000	3,400	0	0	0	6,000	3,000	3,400	0	0	0

## 1.26. Tick and Tie

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/tick-and-tie/index.html>

Component: (Network and Hypercube)						
Network	Segment Revenues <small>(<a href="http://www.xbrlsite.com/seattlemethod/testcases/report/role/SegmentRevenues">http://www.xbrlsite.com/seattlemethod/testcases/report/role/SegmentRevenues</a>)</small>					
Hypercube	Segment Revenues [Hypercube]					
Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>					
Unit [Aspect]	iso4217:USD					
Concept [Aspect]	Period [Aspect]					
	2022-01-01   2022-12-31					
	Segments [Axis]					
	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	Segment Delta [Member]	Segment Echo [Member]	All Segments [Member]
	Segment Revenues [Set]					
Revenues	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Expenses	0	0	0	0	0	0
Gains	0	0	0	0	0	0
Losses	0	0	0	0	0	0
Comprehensive Income	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

Table ▾							
Segment Revenues [Hypercube] ▾	Period ▾	Segments [Axis] ▾					
Concept ▾	2022-01-01 to 2022-12-31						
	Period Segments [Axis]	All Segments [Member]	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	Segment Delta [Member]	Segment Echo [Member]
Segment Revenues [Set]							
Revenues		0	0	0	0	0	0
Expenses		0	0	0	0	0	0
Gains		0	0	0	0	0	0
Losses		0	0	0	0	0	0
Comprehensive Income		0	0	0	0	0	0

## 1.27. Logic

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/logic/index.html>

Component: (Network and Hypercube)	
Network	Socrates is a Man ( <a href="http://www.xbrlsite.com/logic/role/SocratesIsMan">http://www.xbrlsite.com/logic/role/SocratesIsMan</a> )
Hypercube	Socrates is Man [Hypercube]

Reporting Entity [Aspect]	testing   <a href="http://www.xbrlsite.com/testing">http://www.xbrlsite.com/testing</a>
---------------------------	-----------------------------------------------------------------------------------------

Concept [Aspect]	Period [Aspect]
	2023-05-07
Socraties is Man [Set]	
Socrates is a Man	Yes
Men are Mortal	Yes
Socrates is Mortal	Yes

Table	
Socrates is Man [Hypercube]	Period
Concept	Period
	2023-05-07
Socraties is Man [Set]	
Socrates is a Man	true
Men are Mortal	true
Socrates is Mortal	true

Component: (Network and Table)	
Network	Socrates is a Man
Table	Socrates is Man [Hypercube]
Reporting Entity [Axis]	testing <a href="http://www.xbrlsite.com/testing">http://www.xbrlsite.com/testing</a>
Unit [Axis]	
	Period [Axis]
Hypercube [LineItems]	2023-05-07
Socraties is Man [Set]	
Socrates is a Man	true
Men are Mortal	true
Socrates is Mortal	true

## 1.28. *Lorem Ipsum* (can use XBRL for both financial or nonfinancial information)

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/lorem-ipsum-all-patterns/index.html>

Component: (Network and Hypercube)		
Network	01 - Schedule - Fragment 01 <small>(<a href="http://www.xbrlsite.com/basic/role/Fragment01">http://www.xbrlsite.com/basic/role/Fragment01</a>)</small>	
Hypercube	Implied	
Reporting Entity [Aspect]	30810137d58f76b84afd   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>	
Unit [Aspect]	iso4217:USD	
Concept [Aspect]	Period [Aspect]	
	2018-12-31	2017-12-31
Ipsum Lorem [Abstract]		
Ipsum [Roll Up]		
Phasellus [Roll Up]		
Nulla	\$ 4,000.00	\$ 3,000.00
Pellentesque	2,000.00	1,000.00
Etiam	1,000.00	1,000.00
Phasellus	7,000.00	5,000.00
Aenean [Roll Up]		
Proin	6,000.00	1,000.00
Aenean	6,000.00	1,000.00
Ipsum	\$ 13,000.00	\$ 6,000.00
Lorem [Roll Up]		
Morbi [Roll Up]		
Aliquam [Roll Up]		
Facilisis	\$ 1,000.00	\$ 1,000.00
Aliquam	1,000.00	1,000.00
Donec [Roll Up]		
Blandit	6,000.00	1,000.00
Donec	6,000.00	1,000.00
Morbi	7,000.00	2,000.00
Duis iaculis [Roll Up]		
Commodo	6,000.00	4,000.00
Duis iaculis	6,000.00	4,000.00
Lorem	\$ 13,000.00	\$ 6,000.00



## 1.29. Balance Sheet

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/balance-sheet/index.html>

Component: (Network and Hypercube)		
Network	100-Statement-Statement of Financial Position, Classified (Net Assets Approach) (http://uca.auditchain.france/reportable/GovernmentOfFinancialPositionClassified)	
Hypercube	Statement of Financial Position, Classified (Hypercube)	
Reporting Entity (Aspect)	GH25940210MPUCLS85M   http://standards.lao.org/iso/17442	
Unit (Aspect)	iso4217:AUD	
Concept (Aspect)	Period (Aspect)	
	2021-12-31	2020-12-31
Net Assets (Roll Up)		
Assets (Roll Up)		
Current Assets (Roll Up)		
Cash and Cash Equivalents	\$ 44,925,000	\$ 37,788,000
Trade and Other Current Receivables	15,882,000	8,220,000
Current Tax Assets	1,831,000	3,081,000
Other Current Financial Assets	12,400,000	11,757,000
Current Inventories	22,153,000	19,872,000
Current Biological Assets	491,000	428,000
Other Miscellaneous Current Assets	145,000	97,000
Assets or Disposal Groups Classified as Held for Sale	250,000	4,955,000
Current Assets	97,857,000	85,908,000
Non-current Assets (Roll Up)		
Trade and Other Non-current Receivables	0	0
Non-current Inventories	0	0
Deferred Tax Assets	308,000	712,000
Other Non-current Financial Assets	5,888,000	3,609,000
Property, Plant and Equipment, Net	111,207,000	91,840,000
Investment Property	13,300,000	10,050,000
Intangible Assets Other than Goodwill	24,550,000	20,945,000
Goodwill	9,758,000	9,508,000
Non-current Biological Assets	0	0
Investments in Associates	3,340,000	3,180,000
Investments in Joint Ventures	0	0
Other Miscellaneous Non-current Assets	0	0
Non-current Assets	188,347,000	139,824,000
Assets	286,204,000	225,732,000
Liabilities (Roll Up)		
Current Liabilities (Roll Up)		
Trade and Other Current Payables	15,780,000	11,723,000
Other Current Financial Liabilities	1,982,000	1,525,000
Current Provisions	2,897,000	1,240,000
Current Tax Liabilities	1,212,000	1,108,000
Other Miscellaneous Current Liabilities	12,884,000	12,019,000
Liabilities or Disposal Groups Classified as Held for Sale	0	500,000
Current Liabilities	34,515,000	28,115,000
Non-current Liabilities (Roll Up)		
Trade and Other Non-current Payables	72,300,000	78,800,000
Non-current Provisions	1,573,000	1,382,000
Other Non-current Financial Liabilities	8,493,000	8,514,000
Deferred Tax Liabilities	1,300,000	788,000
Other Miscellaneous Non-current Liabilities	2,358,000	2,270,000
Non-current Liabilities	86,024,000	89,552,000
Liabilities	120,539,000	117,667,000
Net Assets	\$ 145,885,000	\$ 107,953,000
Equity (Roll Up)		
Equity Attributable to Owners of Parent (Roll Up)		
Issued Capital	87,705,000	82,619,000
Retained Earnings	58,184,000	45,313,000
Share Premium	0	0
Treasury Shares	0	0
Other Equity Interest	0	0
Other Reserves	(224,000)	21,000
Equity Attributable to Owners of Parent	145,885,000	107,953,000
Non-controlling Interests	0	0
Equity	\$ 145,885,000	\$ 107,953,000

## 1.30. Consolidating balance sheet

Concept [Aspect]	Period [Aspect]					
	2021-12-31			2020-12-31		
	Legal Entity [Axis]			Legal Entity [Axis]		
	Subsidiary One [Member]	Subsidiary Two [Member]	Consolidated Entity [Member]	Subsidiary One [Member]	Subsidiary Two [Member]	Consolidated Entity [Member]
<b>Assets [Roll Up]</b>						
<b>Assets, Current [Roll Up]</b>						
Cash and Cash Equivalents	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
Receivables, Net, Current	0.00	0.00	0.00	0.00	0.00	0.00
Inventory	0.00	0.00	0.00	0.00	0.00	0.00
Prepaid Expenses	0.00	0.00	0.00	0.00	0.00	0.00
Investments, at Cost	0.00	0.00	0.00	0.00	0.00	0.00
Other Assets, Current	0.00	0.00	0.00	0.00	0.00	0.00
Assets, Current	0.00	0.00	0.00	0.00	0.00	0.00
<b>Assets, Noncurrent [Roll Up]</b>						
<b>Property, Plant, and Equipment, Net [Roll Up]</b>						
Land	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
Buildings, Net	0.00	0.00	0.00	0.00	0.00	0.00
Furniture and Fixtures, Net	0.00	0.00	0.00	0.00	0.00	0.00
Other Property, Plant, and Equipment, Net	0.00	0.00	0.00	0.00	0.00	0.00
Property, Plant, and Equipment, Net, Total	0.00	0.00	0.00	0.00	0.00	0.00
Investment in Affiliates	0.00	0.00	0.00	0.00	0.00	0.00
Receivables, Net, Noncurrent	0.00	0.00	0.00	0.00	0.00	0.00
Other Assets, Noncurrent	0.00	0.00	0.00	0.00	0.00	0.00
Assets, Noncurrent, Total	0.00	0.00	0.00	0.00	0.00	0.00
Assets, Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ (n) 0.00	\$ 0.00	\$ 0.00
<b>Liabilities and Equity [Roll Up]</b>						
<b>Liabilities [Roll Up]</b>						
<b>Liabilities, Current [Roll Up]</b>						
Payables and Accruals	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
Long-Term Debt, Current	0.00	0.00	0.00	0.00	0.00	0.00
Other Liabilities, Current	0.00	0.00	0.00	0.00	0.00	0.00
Liabilities, Current, Total	0.00	0.00	0.00	0.00	0.00	0.00
<b>Liabilities, Noncurrent [Roll Up]</b>						
Long-Term Debt, Noncurrent	0.00	0.00	0.00	0.00	0.00	0.00
Other Liabilities, Noncurrent	0.00	0.00	0.00	0.00	0.00	0.00
Liabilities, Noncurrent, Total	0.00	0.00	0.00	0.00	0.00	0.00
Liabilities, Total	0.00	0.00	0.00	0.00	0.00	0.00
<b>Equity [Roll Up]</b>						
Preferred Stock	0.00	0.00	0.00	0.00	0.00	0.00
Common Stock	0.00	0.00	0.00	0.00	0.00	0.00
Additional Paid in Capital	0.00	0.00	0.00	0.00	0.00	0.00
Retained Earnings (Accumulated Losses)	0.00	0.00	0.00	0.00	0.00	0.00
Equity, Total	0.00	0.00	0.00	0.00	0.00	0.00
Liabilities and Equity, Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## 1.31. Not for Profit Statement of Activity

Concept [Aspect]	Period [Aspect]		
	2022-01-01   2022-12-31		
	Scenario [Axis]		
	Variance [Member]	Budget [Member]	Actual [Member]
Change in Net Assets [Roll Up]			
Support and Revenue [Roll Up]			
Revenue [Roll Up]			
Contract Revenue	0	0	0
Other Revenue	0	0	0
Revenue	0	0	0
Support [Roll Up]			
Grants	0	0	0
Other Support	0	0	0
Support	0	0	0
Support and Revenue	0	0	0
Expenses [Roll Up]			
Program Services Expenses [Roll Up]			
Salaries and Related Expenses	0	0	0
Other Program Services Expenses	0	0	0
Program Services Expenses	0	0	0
Supporting Services Expenses [Roll Up]			
Management and General Expenses	0	0	0
Fundraising Expenses	0	0	0
Supporting Services Expenses	0	0	0
Expenses	0	0	0
Change in Net Assets	0	0	0

## 1.32. Not for Profit Statement of Functional Expenses

Concept [Aspect]	Period [Aspect]			
	2022-01-01   2022-12-31			
	Category [Axis]			
	Program Services [Member]	Supporting Services, Management and General [Member]	Supporting Services, Fundraising[Member]	All Categories [Member]
Functional Expenses [Roll Up]				
Salaries and Related Functional Expenses [Roll Up]				
Salaries	0	0	0	0
Payroll, Taxes and Benefits	0	0	0	0
Salaries and Related Functional Expenses	0	0	0	0
Other Functional Expenses [Roll Up]				
Communications	0	0	0	0
Contract Services	0	0	0	0
Insurance	0	0	0	0
Maintenance	0	0	0	0
Occupancy	0	0	0	0
Office Supplies	0	0	0	0
Professional Fees	0	0	0	0
Travel and Meetings	0	0	0	0
Other Functional Expenses	0	0	0	0
Expenses	0	0	0	0

## 1.33. Dimensional Roll Forward

Platinum test case: <http://xbrlsite.com/seattlemethod/platinum-testcases/dimensional-rollforward/index.html>

Reporting Entity [Aspect]	GH259400TOMPUOL569II   http://standards.iso.org/iso/17442								
Unit [Aspect]	iso4217:AUD								
	Period [Aspect]								
	2022-01-01   2022-12-31								
	Class [Dimension]								
	Freehold Land [Member]	Buildings [Member]	Plant and Machinery [Member]	Furniture and Fittings [Member]	Office Equipment [Member]	Tangible Exploration and Evaluation Assets [Member]	Construction in Progress [Member]	Other Miscellaneous Property, Plant and Equipment [Member]	All Classes [Member]
Property, Plant, and Equipment [Roll Forward]									
Property, Plant and Equipment, Net, Beginning Balance	0	0	0	0	0	0	0	0	0 ✓
Additions to Property, Plant, and Equipment	0	0	0	0	0	0	0	0	0 ✓
Classified as Held for Sale Property, Plant, and Equipment	0	0	0	0	0	0	0	0	0 ✓
Acquisitions of Property, Plant, and Equipment Through Business Combinations	0	0	0	0	0	0	0	0	0 ✓
Revaluations from Impairment Losses (Recognized) Reversed in Other Comprehensive Income	0	0	0	0	0	0	0	0	0 ✓
Transfers (to) from Investment Property	0	0	0	0	0	0	0	0	0 ✓
Impairment Losses (Recognized) Reversed in Profit or Loss	0	0	0	0	0	0	0	0	0 ✓
Depreciation of Property, Plant and Equipment	0	0	0	0	0	0	0	0	0 ✓
Other Miscellaneous Increases (Decreases) in Property, Plant and Equipment	0	0	0	0	0	0	0	0	0 ✓
Property, Plant and Equipment, Net, Ending Balance	0 ✓	0 ✓	0 ✓	0 ✓	0 ✓	0 ✓	0 ✓	0 ✓	0 ✓

## 1.34. Multiple Entities, Multiple Currencies, One Report

Multiple currencies, multiple reporting entities in one report.

<http://xbrlsite.com/seattlemethod/testcases/ManyCurrencies/evidence-package/>

<http://xbrlsite.com/seattlemethod/testcases/ManyCurrencies/instance.xml>

Component: (Network and Table)	
Network	01 - Balance Sheet (http://www.xbrlsite.com/report/role/BalanceSheet)
Table	(Implied)

	Reporting Entity [Axis]											
	AA259400TOMPUOLS65II (http://standards.iso.org/iso/17442)						GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)					
	Period [Axis]						Period [Axis]					
	2021-12-31			2020-12-31			2021-12-31			2020-12-31		
	Unit			Unit			Unit			Unit		
Balance Sheet [Arithmetic]	GBP	USD	EUR	GBP	USD	EUR	GBP	USD	EUR	GBP	USD	EUR
Assets	7,000	3,500	4,000	0	0	0	7,000	3,500	4,000	0	0	0
Liabilities	1,000	500	600	0	0	0	1,000	500	600	0	0	0
Equity	6,000	3,000	3,400	0	0	0	6,000	3,000	3,400	0	0	0

Table

(implied)

Reporting Entity

Period

Unit

Concept

		Reporting Entity	AA259400TOMPUOLS65II ( <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a> )		GH259400TOMPUOLS65II ( <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a> )	
		Period	2021-12-31	2020-12-31	2021-12-31	2020-12-31
Unit	Concept					
iso4217:EUR	Balance Sheet [Arithmetic]					
	Assets		4,000	0	4,000	0
	Liabilities		600	0	600	0
	Equity		3,400	0	3,400	0
iso4217:GBP	Assets		7,000	0	7,000	0
	Liabilities		1,000	0	1,000	0
	Equity		6,000	0	6,000	0
iso4217:USD	Assets		3,500	0	3,500	0
	Liabilities		500	0	500	0
	Equity		3,000	0	3,000	0

Component: (Network and Table)	
Network	01 - Unknown - Balance Sheet
Table	Implied [Table]

Drop Filter Fields Here	
Reporting Entity [Axis]	Implied [Line Items]
AA259400TOMPUOLS65II http://standards.iso.org/iso/17442	Balance Sheet [Arithmetic]
	Assets
	Liabilities
	Equity
GH259400TOMPUOLS65II http://standards.iso.org/iso/17442	Balance Sheet [Arithmetic]
	Assets
	Liabilities
	Equity

Period		Unit [Axis]		
		USD	GBP	EUR
		2021-12-31	2020-12-31	
	AA259400TOMPUOLS65II	3,500	7,000	4,000
	GH259400TOMPUOLS65II	0	0	0
	AA259400TOMPUOLS65II	500	1,000	600
	GH259400TOMPUOLS65II	0	0	0
	AA259400TOMPUOLS65II	3,000	6,000	3,400
	GH259400TOMPUOLS65II	0	0	0

## 1.35. Dimensional Form

<https://auditchain.infura-ipfs.io/ipfs/QmePjCekGUvgBLJDbgxZziyXjDGbtXoRP511YA1nmdVJiy/16a80c7926ec0b1ecd1e.html#a008f6971627fdc49567>

Table											
Work in Process [Hypercube]	Contract [Dimension]										
Concept	Contract	Period	Unit	Contract [Dimension]	All Contracts [Member]	Commerce Center [Member]	Highland Center [Member]	Miscellaneous Contracts in Program Under \$10,000,000 [Member]	Plaza Center [Member]	Silver Lake Center [Member]	WT Plaza [Member]
Period	Contract Details [Set]										
Unit	Contract Number	2022-01-01 to 2022-12-31	nuh		STRING	STRING	STRING		STRING	STRING	STRING
	Contract Name	2022-01-01 to 2022-12-31	nuh		STRING	STRING	STRING		STRING	STRING	STRING
	Gross Profit [Roll Up]										
	Revenues	2022-01-01 to 2022-12-31	iso4217USD		0	0	0		0	0	0
	Cost of Revenue	2022-01-01 to 2022-12-31	iso4217USD		0	0	0		0	0	0
	Gross Profit	2022-01-01 to 2022-12-31	iso4217USD		0	0	0		0	0	0
	Estimated Revenues, Costs, and Gross Profit for Total Contract [Roll Up]										
	Contract Revenue, Estimated Revenue	2022-12-31	iso4217USD		0	0	0		0	0	0
	Contract Costs, Estimated Cost	2022-12-31	iso4217USD		0	0	0		0	0	0
	Contract Gross Profit Total Contract	2022-12-31	iso4217USD		0	0	0		0	0	0
	Revenues, Costs, and Gross Profit from Inception [Roll Up]										
	Contract Revenue, Earned to Date	2022-12-31	iso4217USD		0	0	0		0	0	0
	Contract Costs, Incurred to Date	2022-12-31	iso4217USD		0	0	0		0	0	0
	Contract Gross Profit from Inception to Date	2022-12-31	iso4217USD		0	0	0		0	0	0
	Billings from Inception [Set]										
	Contract Billings from Inception to Date	2022-12-31	iso4217USD		0	0	0		0	0	0
	Completion Information [Set]										
	Contract Costs, Estimated Cost to Complete	2022-12-31	iso4217USD		0	0	0		0	0	0
	Percentage Complete	2022-12-31	pure		0	0	0		0	0	0
	Costs and Estimated Earnings in Excess of Billings, Net	2022-12-31	iso4217USD		0	0	0		0	0	0

Reporting Entity [Ass]	Contract [Dimension]										
	Highland Center [Member]	WT Plaza [Member]	Plaza Center [Member]	Commerce Center [Member]	Silver Lake Center [Member]	Miscellaneous Contracts in Program Under \$10,000,000 [Member]	All Contracts [Member]				
Hypercube [Line Items]	Period [Ass]	Unit [Ass]									
Contract Details [Set]	2014-01-01/2014-12-31		201	202	203	204	205	NA			
Contract Number	2014-01-01/2014-12-31		Highland Center	WT Plaza	Plaza Center	Commerce Center	Silver Lake Center	Miscellaneous contracts in progr	Total all contracts		
Gross Profit [Roll Up]											
Revenues	2014-01-01/2014-12-31	USD	7,618,000	14,610,000	10,492,000	619,000	0	35,864,000	69,203,000		
Cost of Revenue	2014-01-01/2014-12-31	USD	7,155,000	13,938,000	10,127,000	619,000	0	34,763,000	66,202,000		
Gross Profit	2014-01-01/2014-12-31	USD	463,000	672,000	365,000	0	0	1,501,000	3,001,000		
Estimated Revenues, Costs, and Gross Profit for Total Contract [Roll Up]											
Contract Revenue, Estimated Revenue	2014-12-31	USD	10,585,000	18,986,000	13,872,000	10,986,000	14,020,000	49,809,000	118,258,000		
Contract Costs, Estimated Cost	2014-12-31	USD	9,965,000	18,136,000	13,292,000	10,556,000	13,443,000	47,683,000	113,175,000		
Contract Gross Profit Total Contract	2014-12-31	USD	620,000	850,000	580,000	430,000	577,000	2,126,000	5,083,000		
Revenues, Costs, and Gross Profit from Inception [Roll Up]											
Contract Revenue, Earned to Date	2014-12-31	USD	10,388,000	18,230,000	10,492,000	619,000	0	35,877,000	75,606,000		
Contract Costs, Incurred to Date	2014-12-31	USD	9,780,000	17,414,000	10,127,000	619,000	0	34,376,000	72,356,000		
Contract Gross Profit from Inception to Date	2014-12-31	USD	608,000	816,000	365,000	0	0	1,501,000	3,250,000		
Billings from Inception [Set]											
Contract Billings from Inception to Date	2014-12-31	USD	10,663,000	18,656,000	10,498,000	511,000	0	37,602,000	77,932,000		
Completion Information [Set]											
Contract Costs, Estimated Cost to Complete	2014-12-31	USD	185,000	722,000	3,265,000	9,937,000	13,443,000	13,307,000	40,899,000		
Percentage Complete	2014-12-31	pure	.90	.96	.76	.06	.00	.72			
Costs and Estimated Earnings in Excess of Billings, Net	2014-12-31	USD	(276,000)	(426,000)	(6,000)	106,000	0	(1,725,000)	(2,326,000)		

## 1.36. Unlevered Discounted Cash Flow Model (DCF)

Model:

[http://www.xbrlsite.com/seattlemethod/golden/dcfm/base-taxonomy/dcfm\\_ModelStructure.html](http://www.xbrlsite.com/seattlemethod/golden/dcfm/base-taxonomy/dcfm_ModelStructure.html)

Report:

<https://auditchain.infura-ipfs.io/ipfs/Qma7riizN8fBMrzwGhWCPER5VJY8yCG8EB1NsmxteoNRhE/>

(Note that the above has a software BUG related to an XBRL Formula)

<https://auditchain.infura-ipfs.io/ipfs/Qma7riizN8fBMrzwGhWCPER5VJY8yCG8EB1NsmxteoNRhE/1a0e5a33d58b6cee16ce.html#1fc830f3c1b24a4f75d1>

	Period								
Concept	Unit	2023-01-01 to 2023-12-31	2022-01-01 to 2022-12-31	2021-01-01 to 2021-12-31	2020-01-01 to 2020-12-31	2019-01-01 to 2019-12-31	2018-01-01 to 2018-12-31	2017-01-01 to 2017-12-31	2016-01-01 to 2016-12-31
Selected Operating Data [Set]									
Revenue	iso4217:USD	177,735,883,600	161,578,076,000	146,889,160,000	133,535,600,000	121,396,000,000	110,360,000,000	89,950,000,000	85,320,000,000
EBITDA	iso4217:USD	71,094,353,440	64,631,230,400	58,755,664,000	53,414,240,000	48,558,400,000	49,468,000,000	34,149,000,000	27,616,000,000
EBIT	iso4217:USD	53,320,765,080	48,473,422,800	44,066,748,000	40,060,680,000	36,418,800,000	46,735,000,000	31,927,000,000	26,373,000,000
Depreciation and Amortization	iso4217:USD	14,218,870,688	12,926,246,080	11,751,132,800	10,682,948,000	9,711,680,000	10,261,000,000	8,778,000,000	6,622,000,000
Growth Rates, Selected Operating Data [Set]									
Revenue Growth Rate (%)	pure	0	0	0	0	0			
EBITDA Margin (%)	pure	0	0	0	0	0			
EBIT Margin (%)	pure	0	0	0	0	0			
Depreciation and Amortization as Percent of Revenue	pure	0	0	0	0	0			

Reporting Entity [Auto]		Period [Auto]									
Hypercube [Line Items]		Unit [Auto]	2023-01-01/2023-12-31	2022-01-01/2022-12-31	2021-01-01/2021-12-31	2020-01-01/2020-12-31	2019-01-01/2019-12-31	2018-01-01/2018-12-31	2017-01-01/2017-12-31	2016-01-01/2016-12-31	
Selected Operating Data [Set]											
Revenue	USD		177,735,883,600	161,578,076,000	146,889,160,000	133,535,600,000	121,396,000,000	110,360,000,000	89,950,000,000	85,320,000,000	
EBITDA	USD		71,094,353,440	64,631,230,400	58,755,664,000	53,414,240,000	48,558,400,000	49,468,000,000	34,149,000,000	27,616,000,000	
EBIT	USD		53,320,765,080	48,473,422,800	44,066,748,000	40,060,680,000	36,418,800,000	46,735,000,000	31,927,000,000	26,373,000,000	
Depreciation and Amortization	USD		14,218,870,688	12,926,246,080	11,751,132,800	10,682,948,000	9,711,680,000	10,261,000,000	8,778,000,000	6,622,000,000	
Growth Rates, Selected Operating Data [Set]											
Revenue Growth Rate (%)	pure		.100	.100	.100	.100	.100				
EBITDA Margin (%)	pure		.400	.400	.400	.400	.400				
EBIT Margin (%)	pure		.300	.300	.300	.300	.300				
Depreciation and Amortization as Percent of Revenue	pure		.080	.080	.080	.080	.080				

<https://auditchain.infura-ipfs.io/ipfs/Qma7riizN8fBMrzwGhWCPER5VJY8yCG8EB1NsmxteoNRhE/f8dc0df4a010bclf0278.html#708bccc980c981da92f7>

Note that this software has a RENDERING BUG that needs to be fixed.

Concept	Unit	Period															
		2023-12-31	2022-12-31	2021-12-31	2020-12-31	2019-12-31	2018-12-31	2023-01-01 to 2023-12-31	2022-01-01 to 2022-12-31	2021-01-01 to 2021-12-31	2020-01-01 to 2020-12-31	2019-01-01 to 2019-12-31	2018-01-01 to 2018-12-31	2017-01-01 to 2017-12-31	2016-01-01 to 2016-12-31		
Free Cash Flow Buildup [Set]																	
Total Revenues	iso4217:USD							177,735,883,600	161,578,076,000	146,889,160,000	133,535,600,000	121,396,000,000	110,360,000,000	89,950,000,000	85,320,000,000		
EBITDA	iso4217:USD							71,094,353,440	64,631,230,400	58,755,664,000	53,414,240,000	48,558,400,000	49,468,000,000	34,149,000,000	27,616,000,000		
EBIT	iso4217:USD							53,320,765,080	48,473,422,800	44,066,748,000	40,060,680,000	36,418,800,000	46,735,000,000	31,927,000,000	26,373,000,000		
Tax Rate	pure							0	0	0	0	0	0	0			
Unlevered Free Cash Flows [Roll Up]																	
EBIT	iso4217:USD							41,590,196,762	37,809,289,784	34,372,065,440	31,247,330,400	28,406,664,000					
Depreciation and Amortization	iso4217:USD							14,218,870,688	12,926,246,080	11,751,132,800	10,682,948,000	9,711,680,000					
Accounts Receivable Increase (Decrease)	iso4217:USD							(5,319,733,347)	(4,707,728,626)	(3,879,996,120)	(3,204,201,000)	(2,648,100,000)					
Inventories Increase (Decrease)	iso4217:USD							(156,391,085)	(148,943,891)	(141,851,323)	(135,096,000)	(139,930,000)					
Prepaid Expenses Increase (Decrease)	iso4217:USD							(1,771,131,179)	(1,540,114,069)	(1,339,229,626)	(1,164,547,000)	(1,012,650,000)					
Accounts Payable Increase (Decrease)	iso4217:USD							1,281,614,910	1,148,922,700	1,042,857,000	947,870,000	861,700,000					
Accrual Expenses Increase (Decrease)	iso4217:USD							893,540,230	812,309,300	738,463,000	671,530,000	610,500,000					
Capital Expenditures	iso4217:USD							(8,591,778,000)	(7,810,707,300)	(7,108,843,000)	(6,455,130,000)	(5,948,500,000)					
Present Value of Free Cash Flows [Set]																	
Unlevered Free Cash Flows	iso4217:USD							42,125,188,009	38,487,253,915	35,442,596,120	32,590,403,400	30,021,584,000					
Discount Rate (WACC)	pure							0	0	0	0	0	0	0			
Present Value of Free Cash Flows	iso4217:USD	23,608,666,306	24,218,129,591	25,040,516,417	25,852,442,011	26,738,466,798	125,468,211,123										
Sum of Present Values of FCFs	iso4217:USD																

This is what the rendering should look like:



MASTERING XBRL-BASED DIGITAL FINANCIAL REPORTING – PART 4: EXAMPLES AND SAMPLES – SHOWCASE OF REPORTS –  
CHARLES HOFFMAN, CPA

Reporting Entity (Axis)		0000769019 http://www.sac.gov/CJK							
Free Cash Flow Building (Set)		Period (Axis)							
Hypocrite (Line Items)		Unit (Axis)	2023-01-01/2023-12-31	2022-01-01/2022-12-31	2021-01-01/2021-12-31	2020-01-01/2020-12-31	2019-01-01/2019-12-31	2018-01-01/2018-12-31	2017-01-01/2017-12-31
Total Revenues	USD		177,735,883,600	161,578,076,000	146,889,160,000	133,535,600,000	121,396,000,000	110,360,000,000	89,950,000,000
EBITDA	USD		71,094,353,440	64,631,230,400	58,755,664,000	53,414,240,000	48,558,400,000	48,468,000,000	34,148,000,000
EBIT	USD		53,320,765,080	48,473,422,800	44,066,748,000	40,060,680,000	36,418,800,000	46,735,000,000	31,927,000,000
Tax Rate	pure		.220	.220	.220	.220	.220	.220	
EBIT	USD		41,560,196,762	37,809,269,794	34,372,063,440	31,247,330,400	28,406,664,000		
Unlevered Free Cash Flows (Roll Up)									
EBIT	USD		41,560,196,762	37,809,269,794	34,372,063,440	31,247,330,400	28,406,664,000		
Depreciation and Amortization	USD		14,218,870,688	12,926,246,080	11,751,132,800	10,682,848,000	9,711,680,000	10,261,000,000	8,778,000,000
Accounts Receivable Increase (Decrease)	USD		(5,319,733,347)	(4,707,728,626)	(3,879,996,120)	(3,204,201,000)	(2,648,100,000)		6,422,000,000
Inventories Increase (Decrease)	USD		(156,391,085)	(148,943,891)	(141,851,325)	(135,096,500)	(39,930,000)		
Prepaid Expenses Increase (Decrease)	USD		(1,771,131,179)	(1,340,114,089)	(1,139,229,625)	(1,164,347,500)	(1,012,650,000)		
Accounts Payable Increase (Decrease)	USD		1,261,614,978	1,140,922,780	1,043,657,000	947,870,000	861,700,000		
Accrued Expenses Increase (Decrease)	USD		893,340,230	812,309,300	738,463,000	671,330,000	610,300,000		
Capital Expenditures	USD		(8,591,778,030)	(7,810,707,390)	(7,100,643,000)	(6,455,130,000)	(5,868,300,000)		
Unlevered Free Cash Flows	USD		42,125,189,009	38,487,253,878	35,442,596,170	32,590,403,400	30,021,364,000		
Present Value of Free Cash Flows (Set)									
Unlevered Free Cash Flows	USD		42,125,189,009	38,487,253,878	35,442,596,170	32,590,403,400	30,021,364,000		
Discount Rate (WACC)	pure		.123	.123	.123	.123	.123	.123	
Present Value of Free Cash Flows	USD		23,608,666,306	24,218,129,591	25,040,516,417	25,852,442,011	26,738,456,798	125,458,211,123	
Sum of Present Values of FCFs	USD							125,458,211,123	

## 1.37. Audit Working Papers

**Original:** (NOTE that there are 47 mathematical computations that exist, XBRL enforces/verifies 100% of those.)

Long Term Debt Audit Schedule 2004							Maturities							Date Last	Interest	Interest	Reverse	Interest
Lender	Security	Interest Rate	12/31/2003 Balance	Repaid Debt	Additional Borrowed	12/31/2004 Balance	(Current) 2005	Year 2 2006	Year 3 2007	Year 4 2008	Year 5 2009	There After	Total	Interest Paid	Interest Accrued	Prior Year	Interest Expense	
West-One	Equipment	14%	46,080	(22,600)	0	23,480	23,480	0	0	0	0	0	23,480	4,641	0	0	4,641	
Bank of Tacoma	Truck	8%	0	0	85,000	85,000	13,600	20,400	20,400	20,400	10,200	0	85,000	2,273	578	0	2,850	
MCI	Equipment	13%	45,000	(45,000)	0	0	0	0	0	0	0	0	0	2,081	0	0	2,081	
Provident Capital	Vehicle	13.23%	43,782	(10,481)	0	33,301	10,555	12,003	10,743	0	0	0	33,301	5,124	0	0	5,124	
Security Pacific Bank	Vehicle	10.61%	11,991	(4,036)	0	7,955	4,447	3,508	0	0	0	0	7,955	1,115	0	0	1,115	
Hyster 1	Forklift	11.75%	3,707	(3,707)	0	0	0	0	0	0	0	0	0	149	0	0	149	
Hyster 3	Forklift	7.759%	0	(3,453)	14,437	10,984	4,682	5,085	1,217	0	0	0	10,984	625	0	0	625	
Provident Capital	Truck	15.91%	32,979	(15,044)	0	17,936	17,390	546	0	0	0	0	17,936	4,393	0	0	4,393	
Growers	Unsecured	10%	57,500	(5,000)	0	52,500	0	0	0	0	0	52,500	52,500	5,515	964	(443)	6,036	
			241,040	(109,321)	99,437	231,155	74,153	41,542	32,360	20,400	10,200	52,500	231,155	25,916	1,541	(443)	27,015	

Explanatory Disclosures,  
Details of components of  
long term debt

Balance Sheet, beginning and  
ending balances, current and  
non current portions segregated

Cash Flows, Financing  
activities, additional borrowings  
and repayment of borrowings

Explanatory Disclosures,  
Maturities of long term debt for  
next five years and thereafter

Cash Flow Statement, Cash  
interest paid

Balance Sheet, Accrued Interest  
for period; reversal of prior  
accrual

Income Statement, Interest  
expense for period

**Pesseract:** <http://www.xbrlsite.com/seattlemethod/golden/debt/reference-implementation/instance.xml>

Reporting Entity [Axis]	GH259400TOMPUOL5651I http://standards.iso.org/iso/17442
Unit [Axis]	
Hypercube [Line Items]	Period [Axis] 2022-01-01/2022-12-31
Document Information [Set]	
Document Creation Date	2023-04-27
Document Period End Date	2022-12-31
Document Fiscal Year Focus	2022
Document Fiscal Period Focus	FY
Entity Information [Set]	
Entity Registrant Name	ABC Company
Current Fiscal Year End Date	2022-12-31
Entity Tax Identification Number	GH259400TOMPUOL5651I

Reporting Entity [Axis]	GH259400TOMPUOL5651I http://standards.iso.org/iso/17442
Instrument [Dimension]	West-One [Member] Bank of Tacoma [Member] MCM [Member] Provident Capital [Member] Security Pacific Bank [Member] Hyster Loan #1 [Member] Hyster Loan #3 [Member] Provident Capital #2 [Member] Growers [Member] All Instruments [Member]
Hypercube [Line Items]	Period [Axis] 2022-01-01/2022-12-31
Instrument Details [Set]	
Lender	West-One
Security	Bank of Tacoma
Interest Rate	8.14
Last Date Interest Paid	2022-12-31
Debt Amount	23,400
	46,000

Reporting Entity [Axis]	GH259400TOMPUOL5651I http://standards.iso.org/iso/17442
Unit [Axis]	USD
Hypercube [Line Items]	West-One [Member] Bank of Tacoma [Member] MCM [Member] Provident Capital [Member] Security Pacific Bank [Member] Hyster Loan #1 [Member] Hyster Loan #3 [Member] Provident Capital #2 [Member] Growers [Member] All Instruments [Member]
Interest Expense [Roll Up]	
Interest Paid	4,641
Interest Accrued	0
Interest Accrued Reversed	0
Interest Expense	4,641

Reporting Entity [Axis]	GH259400TOMPUOL5651I http://standards.iso.org/iso/17442
Unit [Axis]	USD
Hypercube [Line Items]	West-One [Member] Bank of Tacoma [Member] MCM [Member] Provident Capital [Member] Security Pacific Bank [Member] Hyster Loan #1 [Member] Hyster Loan #3 [Member] Provident Capital #2 [Member] Growers [Member] All Instruments [Member]
Debt Maturities [Roll Up]	
Current Maturities	23,400
Maturities in Year Two	0
Maturities in Year Three	0
Maturities in Year Four	0
Maturities in Year Five	0
Maturities Thereafter	0
Debt Amount	23,400

MASTERING XBRL-BASED DIGITAL FINANCIAL REPORTING – PART 4: EXAMPLES AND SAMPLES – SHOWCASE OF REPORTS –  
CHARLES HOFFMAN, CPA

Reporting Entity (Axis)	GH259400TOMPACOL5601 http://standards.su.org/iso/17442					Unit (Axis)	USD				
	Period (Axis)	Instrument (Dimension)									
	2022-01-01/2022-12-31										
Hyperscube (Line Items)	West-One [Member]	Bank of Tacoma [Member]	NCH [Member]	Provident Capital [Member]	Security Pacific Bank [Member]	Hyster Loan #1 [Member]	Hyster Loan #3 [Member]	Provident Capital #2 [Member]	Growers [Member]	All Instruments [Member]	
Debt (Roll Forward)											
Debt Amount, Beginning Balance	46,080	0	45,000	43,782	11,991	3,707	0	32,980	57,500	241,040	
Repayment of Debt	22,600	0	45,000	10,481	4,036	3,707	3,453	15,044	5,000	109,321	
Additional Borrowings	0	85,000	0	0	0	0	14,437	0	0	99,437	
Debt Amount, Ending Balance	23,480	85,000	0	33,301	7,955	0	16,984	17,936	52,500	231,156	

Pacioli:

<https://auditchain.infura-ipfs.io/ipfs/QmbJunRPjPwoCUgZugsKkXDRAddVK3dRGYqwefPhAcH6kg/abce4266179b59a59a4d.html#5ae4f6fb26d72f79bdf7>

Period	2022-01-01 to 2022-12-31
Concept	
Document Information [Set]	
Document Creation Date	2023-04-27
Document Period End Date	2022-12-31
Document Fiscal Year Focus	2022
Document Fiscal Period Focus	FY
Entity Information [Set]	
Entity Registrant Name	ABC Company
Current Fiscal Year End Date	2022-12-31
Entity Tax Identification Number	GH259400TOMPACOL5601

<https://auditchain.infura-ipfs.io/ipfs/QmbJunRPjPwoCUgZugsKkXDRAddVK3dRGYqwefPhAcH6kg/db9d0d78c20a1ee8bcb8.html#b19aabd46df53f27fccf>

Concept	Period	Unit	Instrument [Dimension]	All Instruments [Member]	Bank of Tacoma [Member]	Growers [Member]	Hyster Loan #1 [Member]	Hyster Loan #3 [Member]	MCM [Member]	Provident Capital #2 [Member]	Provident Capital [Member]	Security Pacific Bank [Member]	West One [Member]
Instrument Details [Set]													
Lender	2022-01-01 to 2022-12-31	null		BLANK	Bank of Tacoma	Growers	Hyster	Hyster	MCM	Provident Capital	Provident Capital	Security Pacific Bank	West One
Security	2022-01-01 to 2022-12-31	null		BLANK	Truck	Unsecured	Forklift	Forklift	Equipment	Truck	Vehicle	Vehicle	Equipment
Interest Rate	2022-01-01 to 2022-12-31	pure		0	0	0	0	0	0	0	0	0	0
Last Date Interest Paid	2022-01-01 to 2022-12-31	null		2022-12-31	2022-12-31	2022-12-31	2022-12-31	2022-12-31	2022-12-31	2022-12-31	2022-12-31	2022-12-31	2022-12-31
Debt Amount	2022-12-31	iso4217USD		231,156	85,000	52,500	0	10,984	0	17,936	33,301	7,955	23,480
	2021-12-31	iso4217USD		241,040	0	57,500	3,707	0	45,000	32,980	43,782	11,991	46,000

<https://auditchain.infura-ipfs.io/ipfs/QmbJunRPjPwoCUgZugsKkXDRAddVK3dRGYqwefPhAcH6kg/b585ab6a7ec634f6fcd1.html#1ef34901f9580ae56d51>

	Period	2022-01-01 to 2022-12-31										
	Instrument [Dimension]											
Concept		All Instruments [Member]	Bank of Tacoma [Member]	Growers [Member]	Hyster Loan #1 [Member]	Hyster Loan #3 [Member]	MCM [Member]	Provident Capital #2 [Member]	Provident Capital [Member]	Security Pacific Bank [Member]	West One [Member]	
Interest Expense [Roll Up]												
Interest Paid		25,316	2,273	5,515	149	625	2,081	4,393	5,124	1,115	4,641	
Interest Accrued		1,541	578	963	0	0	0	0	0	0	0	0
Interest Accrual Reversed		442	0	442	0	0	0	0	0	0	0	0
Interest Expense		27,015	2,851	6,036	149	625	2,081	4,393	5,124	1,115	4,641	

<https://auditchain.infura-ipfs.io/ipfs/QmbJunRPjPwoCUgZugsKkXDRAddVK3dRGYqwefPhAcH6kg/5c9ecf82a8ef62d2920b.html#44821cba0e6ca91fbab5>

	Period	2022-12-31										
Concept	Instrument [Dimension]											
	All Instruments [Member]	Bank of Tacoma [Member]	Growers [Member]	Hyster Loan #1 [Member]	Hyster Loan #3 [Member]	MCM [Member]	Provident Capital #2 [Member]	Provident Capital [Member]	Security Pacific Bank [Member]	West-One [Member]		
Debt Maturities (Roll Up)												
Current Maturities	74,154	13,600	0	0	4,682	0	17,390	10,555	4,447	23,480		
Maturities in Year Two	41,542	20,400			5,085	0	546	12,003	3,508	0		
Maturities in Year Three	32,360	20,400	0	0	1,217	0	0	10,743	0	0		
Maturities in Year Four	20,400	20,400	0	0	0	0	0	0	0	0		
Maturities in Year Five	10,200	10,200	0		0	0	0	0	0	0		
Maturities Thereafter	52,500	0	52,500	0	0	0	0	0	0	0		
Debt Amount	231,156	85,000	52,500	0	10,984	0	17,936	33,301	7,955	23,480		

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<https://auditchain.infura-ipfs.io/ipfs/QmbJunRPjPwoCUgZugsKkXDRAAddVK3dRGYqwefPhAcH6kg/9669f4ac993dbfe40fdc.html#1d8178df9581071b4ad3>

	Period	2022-01-01 to 2022-12-31									
	Instrument [Dimension]	All Instruments [Member]	Bank of Tacoma [Member]	Growers [Member]	Hyster Loan #1 [Member]	Hyster Loan #3 [Member]	MCM [Member]	Provident Capital #2 [Member]	Provident Capital [Member]	Security Pacific Bank [Member]	West-One [Member]
Concept											
Debt [Roll Forward]											
Debt Amount, Beginning Balance		241,040	0	57,500	3,707	0	45,000	32,980	43,782	11,991	46,080
Repayment of Debt		109,321	0	5,000	3,707	3,433	45,000	15,044	10,481	4,036	22,600
Additional Borrowings		99,437	85,000	0	0	14,437	0	0	0	0	0
Debt Amount, Ending Balance		231,156	85,000	52,500	0	10,984	0	17,936	33,301	7,955	23,480

## 1.38. Finance Models

Model:

[http://www.xbrlsite.com/seattlemethod/golden/finance/base-taxonomy/finance\\_ModelStructure.html](http://www.xbrlsite.com/seattlemethod/golden/finance/base-taxonomy/finance_ModelStructure.html)

Reporting Entity [Aspect]		GH259400TOMPUOLS65II   http://standards.iso.org/iso/17442						
Concept [Aspect]	Units	Period [Aspect]						
		2023-12-31	2022-12-31	2021-12-31	2020-12-31	2019-12-31	2018-12-31	2017-12-31
Price per Share [Arithmetic]								
Market Cap	iso4217:USD	678	678	678	678	678	678	
Shares	Shares	5	5	5	5	5	5	
Price per Share	iso4217:USD/shares	136	136	136	136	136	136	
Net Debt [Arithmetic]								
Gross Debt	iso4217:USD	331	325	318	312	306	300	
Cash on Hand	iso4217:USD	194	161	137	120	108	100	89
Net Debt	iso4217:USD	✓ 137	✓ 164	✓ 181	✓ 192	✓ 198	✓ 200	
Enterprise Value [Set]								
Enterprise Value (EV)	iso4217:USD	878	876	870	859	841	815	
Leverage [Set]								
Debt / EBITDA	Pure	4.4	5.3	6.4	7.6	8.8	10	
Net Debt / EBITDA	Pure	1.8	2.7	386	4.7	5.7	6.7	
Debt % EV	Pure	0.41	0.39	0.37	0.36	0.35	0.34	
Net Debt % EV	Pure	0.17	0.19	0.21	0.22	0.23	0.23	
Valuation [Set]								
EV / EBITDA	Pure	29.3	25.1	21.1	17.3	13.8	10.8	
Price Earnings Ratio (P/E)	Pure	23	34	52	88	166	521	

## 1.39. Multiple Dimensions

Multiple noncore dimensions added to report:

Component: (Network and Table)									
Network	04-Classes of Common Stock (http://www.xbrlsite.com/report/role/ClassesOfCommonStockSchedule)								
Table	Common Stock, by Class [Table]								
Slicers (applies to each fact value in each table cell)									
Reporting Entity [Axis]	10810137d58f76b84aaa (http://standards.iso.org/iso/17442)								
Common Stock, by Class [Line Items]	Period [Axis]								
	2021-12-31								
	Class of Common Stock, Description [Axis]								
	Class A Common Stock [Member]			Class B Common Stock [Member]			All Classes of Common Stock [Member]		
	Legal Entity [Axis]			Legal Entity [Axis]			Legal Entity [Axis]		
	Subsitiary Alpha	Subsitiary Bravo	Consolidated Entity [Member]	Subsitiary Alpha	Subsitiary Bravo	Consolidated Entity [Member]	Subsitiary Alpha	Subsitiary Bravo	Consolidated Entity [Member]
Common Stock, by Class [Hierarchy]									
Common Stock	50,000	50,000	100,000	100,000	100,000	200,000	150,000	150,000	300,000

Pivoting information in different ways:

Component: (Network and Table)				
Network	04 - Unknown - Classes of Common Stock			
Table	Common Stock, by Class [Table]			
Reporting Entity [Axis]   10810137d58f76b84aaa <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>				
Unit [Axis]   USD				
		Period [Axis]	Class of Common Stock, Des...	
		2021-12-31		
Legal Entity [Axis]	Common Stock, by Class [Line Items]	Class A Common Stock [Member]	Class B Common Stock [Member]	All Classes of Common Stock [Member]
Consolidated Entity [Member]	Common Stock, by Class [Hierarchy]			
	Common Stock	100,000	200,000	300,000
Subsidiary Alpha	Common Stock, by Class [Hierarchy]			
	Common Stock	50,000	100,000	150,000
Subsidiary Bravo	Common Stock, by Class [Hierarchy]			
	Common Stock	50,000	100,000	150,000

Component: (Network and Table)					
Network	04 - Unknown - Classes of Common Stock				
Table	Common Stock, by Class [Table]				
Reporting Entity [Axis]		10810137d58f76b84aaa <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>			
Unit [Axis]		USD			
		Period [Axis]	Class of Common Stock, Des...		
		2021-12-31			
Common Stock, by Class [Line Items]		Legal Entity [Axis]	Class A Common Stock [Member]	Class B Common Stock [Member]	All Classes of Common Stock [Member]
Common Stock, by Class [Hierarchy]					
Common Stock		Consolidated Entity [Member]	100,000	200,000	300,000
		Subsidiary Alpha	50,000	100,000	150,000
		Subsitiary Bravo	50,000	100,000	150,000

Component: (Network and Table)				
Network	04 - Unknown - Classes of Common Stock			
Table	Common Stock, by Class [Table]			
Reporting Entity [Axis]	10810137d58f76b84aaa http://standards.iso.org/iso/17442			
Unit [Axis]	USD			
Class of Common Stock, Des...	Common Stock, by Class [Line Items]	Legal Entity [Axis]	Period [Axis]	
			2021-12-31	
All Classes of Common Stock [Member]	<b>Common Stock, by Class [Hierarchy]</b>			
	Common Stock	Consolidated Entity [Member]		300,000
		Subsidiary Alpha		150,000
		Subsidiary Bravo		150,000
Class A Common Stock [Member]	<b>Common Stock, by Class [Hierarchy]</b>			
	Common Stock	Consolidated Entity [Member]		100,000
		Subsidiary Alpha		50,000
		Subsidiary Bravo		50,000
Class B Common Stock [Member]	<b>Common Stock, by Class [Hierarchy]</b>			
	Common Stock	Consolidated Entity [Member]		200,000
		Subsidiary Alpha		100,000
		Subsidiary Bravo		100,000

Component: (Network and Table)				
Network	04 - Unknown - Classes of Common Stock			
Table	Common Stock, by Class [Table]			
Reporting Entity [Axis]	10810137d58f76b84aaa http://standards.iso.org/iso/17442			
Unit [Axis]	USD			
Common Stock, by Class [Line Items]	Legal Entity [Axis]	Class of Common Stock, De...	Period [Axis]	
			2021-12-31	
<b>Common Stock, by Class [Hierarchy]</b>				
Common Stock		All Classes of Common Stock [Member]		300,000
		Class A Common Stock [Member]		100,000
		Class B Common Stock [Member]		200,000
	Subsidiary Alpha	All Classes of Common Stock [Member]		150,000
		Class A Common Stock [Member]		50,000
		Class B Common Stock [Member]		100,000
	Subsidiary Bravo	All Classes of Common Stock [Member]		150,000
		Class A Common Stock [Member]		50,000
		Class B Common Stock [Member]		100,000



## 1.40. Inline XBRL

XBRL + XHTML = Inline XBRL:

[https://www.sec.gov/ix?doc=/Archives/edgar/data/789019/000156459022026876/msft-10k\\_20220630.htm](https://www.sec.gov/ix?doc=/Archives/edgar/data/789019/000156459022026876/msft-10k_20220630.htm)

The screenshot displays the SEC EDGAR filing page for Microsoft Corporation's Form 10-K for the fiscal year ended June 30, 2022. The page is titled "UNITED STATES SECURITIES AND EXCHANGE COMMISSION FORM 10-K" and "MICROSOFT CORPORATION". It includes the company's address, "ONE MICROSOFT WAY, REDMOND, WASHINGTON 98052-4339", and its trading symbol, "MSFT". The page also shows the company's registration information, including its status as a "Large Accelerated Filer" and its listing on the NASDAQ stock exchange. The filing is dated June 30, 2022, and the document is titled "20220630.htm".

## 1.41. Dashboards of XBRL Reports

The U.S. Securities and Exchange Commission provides XBRL-based reports publicly for all to use via their EDGAR system. This is a link to the SEC EDGAR system:

<https://www.sec.gov/edgar/search-and-access>

XBRL Cloud provides a free dashboard of those reports:

<https://edgardashboard.xbrlcloud.com/edgar-dashboard/>

XBRL International provides a dashboard of reports submitted to the ESMA. Here is a link to that dashboard:

<https://filings.xbrl.org/>

## 2. Foundational Information Patterns

The following are the foundational information patterns that exist in business reports. For more information about information patterns, please refer to *Concept Arrangement Patterns*<sup>1</sup> and *Member Arrangement Patterns*<sup>2</sup>.

### 2.1. Set

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/set/index.html>

Component: (Network and Hypercube)	
Network	10000-Document Information ( <a href="http://www.xbrlsite.com/report/role/DocumentInformation">http://www.xbrlsite.com/report/role/DocumentInformation</a> )
Hypercube	Implied
Reporting Entity [Aspect]	
SAMP   <a href="http://www.reportingscheme.com/ID">http://www.reportingscheme.com/ID</a>	
Concept [Aspect]	Period [Aspect]
	2020-01-01   2020-12-31
Reporting Style Code	BS1-IS1-CF1
Document Title	External financial statement
Balance Sheet Date	2020-12-31
Income Statement Start Period	2020-01-01
Document Identifier	XBG-DD3-4BX-TTG
Document Fiscal Period Focus	FY
Document Fiscal Year Focus	2020

Concept	Period
	2020-01-01 to 2020-12-31
Document Information [Set]	
Reporting Style Code	BS1-IS1-CF1
Document Title	External financial statement
Balance Sheet Date	2020-12-31
Income Statement Start Period	2020-01-01
Document Identifier	XBG-DD3-4BX-TTG
Document Fiscal Period Focus	FY
Document Fiscal Year Focus	2020

Component: (Network and Table)	
Network	10000 - Unknown - Document Information
Table	Implied [Table]
Reporting Entity [Axis]	SAMP <a href="http://www.reportingscheme.com/ID">http://www.reportingscheme.com/ID</a>
Unit [Axis]	
	Period [Axis]
Implied [Line Items]	2020-01-01/2020-12-31
Document Information [Set]	
Reporting Style Code	BS1-IS1-CF1
Document Title	External financial statement
Balance Sheet Date	2020-12-31
Income Statement Start Period	2020-01-01
Document Identifier	XBG-DD3-4BX-TTG
Document Fiscal Period Focus	FY
Document Fiscal Year Focus	2020

<sup>1</sup> Charles Hoffman, CPA, *Concept Arrangement Patterns*,  
[http://www.xbrlsite.com/mastering/Part02\\_Chapter05.I\\_ConceptArrangementPatterns.pdf](http://www.xbrlsite.com/mastering/Part02_Chapter05.I_ConceptArrangementPatterns.pdf)

<sup>2</sup> Charles Hoffman, CPA, *Member Arrangement Patterns*,  
[http://www.xbrlsite.com/mastering/Part02\\_Chapter05.J\\_MemberArrangementPatterns.pdf](http://www.xbrlsite.com/mastering/Part02_Chapter05.J_MemberArrangementPatterns.pdf)

## 2.2. Roll Up

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/rollup/index.html>

Component: (Network and Hypercube)	
Network	30000 - Property, Plant, and Equipment by Component ( <a href="http://www.xbrlsite.com/report/role/PropertyPlantAndEquipment">http://www.xbrlsite.com/report/role/PropertyPlantAndEquipment</a> )
Hypercube	Implied

Reporting Entity [Aspect]	SAMP   <a href="http://www.reportingscheme.com/ID">http://www.reportingscheme.com/ID</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]	
	2020-12-31	2019-12-31
Land	\$ 5,347,000	\$ 1,147,000
Buildings, Net	244,508,000	366,375,000
Furnitures and Fixtures, Net	34,457,000	34,457,000
Computer Equipment, Net	4,169,000	5,313,000
Other Property, Plant and Equipment, Net	6,702,000	6,149,000
Property, Plant and Equipment, Net	\$ 295,183,000	\$ 413,441,000

Concept	Period	
	2020-12-31	2019-12-31
<b>Property, Plant and Equipment, Net [Roll Up]</b>		
Land	5,347,000	1,147,000
Buildings, Net	244,508,000	366,375,000
Furnitures and Fixtures, Net	34,457,000	34,457,000
Computer Equipment, Net	4,169,000	5,313,000
Other Property, Plant and Equipment, Net	6,702,000	6,149,000
<b>Property, Plant and Equipment, Net</b>	<b>295,183,000</b>	<b>413,441,000</b>

Component: (Network and Table)			
Network	30000 - Unknown - Property, Plant, and Equipment by Component		
Table	Implied [Table]		

Reporting Entity [Axis]	SAMP <a href="http://www.reportingscheme.com/ID">http://www.reportingscheme.com/ID</a>		
Unit [Axis]	USD		
	Period [Axis]		
Implied [Line Items]	2020-12-31	2019-12-31	
<b>Property, Plant and Equipment, Net [Roll Up]</b>			
Land	5,347,000	1,147,000	
Buildings, Net	244,508,000	366,375,000	
Furnitures and Fixtures, Net	34,457,000	34,457,000	
Computer Equipment, Net	4,169,000	5,313,000	
Other Property, Plant and Equipment, Net	6,702,000	6,149,000	
Property, Plant and Equipment, Net	295,183,000	413,441,000	

## 2.3. Roll Forward

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/rollforward/index.html>

Component: (Network and Hypercube)	
Network	1210 - Disclosure - Cash and Cash Equivalents Roll Forward ( <a href="http://www.xbrlsite.com/report/role/CashAndCashEquivalents">http://www.xbrlsite.com/report/role/CashAndCashEquivalents</a> )
Hypercube	Implied

Reporting Entity [Aspect]	30810137d58f76b84afd   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]	
	2020-01-01   2020-12-31	2019-01-01   2019-12-31
Cash and Cash Equivalents, Beginning Balance	\$ 398,937.76	\$ 398,937.76
Collection of Receivables	2,072,035.32	0.00
Payment of Accounts Payable	(3,096,588.38)	0.00
Additional Long-term Borrowings	10,554.36	0.00
Repayment of Long term Borrowings	(33,491.00)	0.00
Capital Additions of Property, Plant and Equipment	0.00	0.00
Cash and Cash Equivalents, Ending Balance	\$ (648,551.94)	\$ 398,937.76

Concept	Period	
	2020-01-01 to 2020-12-31	2019-01-01 to 2019-12-31
<b>Cash and Cash Equivalents [Roll Forward]</b>		
Cash and Cash Equivalents, Beginning Balance	398,937.76	398,937.76
Collection of Receivables	2,072,035.32	0
Payment of Accounts Payable	(3,096,588.38)	0
Additional Long-term Borrowings	10,554.36	0
Repayment of Long term Borrowings	(33,491)	0
Capital Additions of Property, Plant and Equipment	0	0
Cash and Cash Equivalents, Ending Balance	(648,551.94)	398,937.76

Component: (Network and Table)			
Network	1210 - Disclosure - Cash and Cash Equivalents Roll Forward		
Table	Implied [Table]		
Reporting Entity [Axis]	30810137d58f76b84afd <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>		
Unit [Axis]	USD		
	Period [Axis] ▼		
Implied [Line Items]	2020-01-01/2020-12-31	2019-01-01/2019-12-31	
<b>Cash and Cash Equivalents [Roll Forward]</b>			
Cash and Cash Equivalents, Beginning Balance	398,938	398,938	
Collection of Receivables	2,072,035	0	
Payment of Accounts Payable	(3,096,588)	0	
Additional Long-term Borrowings	10,554	0	
Repayment of Long term Borrowings	(33,491)	0	
Capital Additions of Property, Plant and Equipment	0	0	
Cash and Cash Equivalents, Ending Balance	(648,552)	398,938	

## 2.4. Arithmetic

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/arithmetic/>

Component: (Network and Hypercube)	
Network	01-Balance Sheet ( <a href="http://www.xbrlsite.com/report/role/BalanceSheet">http://www.xbrlsite.com/report/role/BalanceSheet</a> )
Hypercube	Implied

Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]	
	2021-12-31	2020-12-31
Assets	\$ 3,500	\$ 0
Liabilities	500	0
Equity	3,000	0

Concept	Period	2021-12-31	2020-12-31
<b>Balance Sheet [Arithmetic]</b>			
Assets		3,500	0
Liabilities		500	0
Equity		3,000	0

Reporting Entity [Axis]	GH259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>		
Unit [Axis]	USD		
	Period [Axis] ▼		
Implied [Line Items]	2021-12-31	2020-12-31	
<b>Balance Sheet [Arithmetic]</b>			
Assets	3,500	0	
Liabilities	500	0	
Equity	3,000	0	

## 2.5. Member aggregation

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/member-aggregation/index.html>

Component: (Network and Hypercube)				
Network	09-Segment Revenues (http://www.xbrlsite.com/report/role/SegmentRevenues)			
Hypercube	Segment Revenues [Hypercube]			
Reporting Entity [Aspect]	GH259400TOMPUOLS65II   http://standards.iso.org/iso/17442			
Unit [Aspect]	iso4217:USD			
Concept [Aspect]	Period [Aspect]			
	2020-01-01   2020-12-31			
	Segments [Axis]			
	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	All Segments [Member]
Sgement Revenues [Set]				
Revenues	1,000	4,000	2,000	7,000

Concept	Period	2020-01-01 to 2020-12-31			
	Segments [Axis]				
		All Segments [Member]	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]
Sgement Revenues [Set]					
Revenues		7,000	1,000	4,000	2,000

Component: (Network and Table)				
Network	09 - Unknown - Segment Revenues			
Table	Segment Revenues [Hypercube]			
Reporting Entity [Axis]	GH259400TOMPUOLS65II http://standards.iso.org/iso/17442			
Unit [Axis]	USD			
	Period [Axis]	Segments [Axis]		
		2020-01-01/2020-12-31		
		Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]
				All Segments [Member]
Sgement Revenues [Set]				
Revenues		1,000	4,000	2,000
				7,000

(Note the difference in the direction of the information; right to left OR left to right)

## 2.6. Member nonaggregation

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/member-nonaggregation/index.html>

Component: (Network and Hypercube)				
Network	09-Segment Revenues (http://www.xbrlsite.com/report/role/SegmentRevenues)			
Hypercube	Segment Revenues [Hypercube]			
Reporting Entity [Aspect]	GH259400TOMPUOLS65II   http://standards.iso.org/iso/17442			
Unit [Aspect]	Iso4217:USD			
Concept [Aspect]	Period [Aspect]			
	2020-01-01   2020-12-31			
	Segments [Axis]			
	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	All Segments [Member]
Sgement Revenues [Set]				
Revenues	1,000	4,000	2,000	

	Period	2020-01-01 to 2020-12-31			
	Segments [Axis]				
Concept		Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	
Sgement Revenues [Set]					
Revenues		1,000	4,000	2,000	

Component: (Network and Table)					
Network	09 - Unknown - Segment Revenues				
Table	Segment Revenues [Hypercube]				
Reporting Entity [Axis]		GH259400TOMPUOLS65II http://standards.iso.org/iso/17442			
Unit [Axis]		USD			
		Period [Axis]	Segments [Axis]		
		2020-01-01/2020-12-31			
Segment Revenues [Line Items]		Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	
Sgement Revenues [Set]					
Revenues		1,000	4,000	2,000	

## 2.7. Variance (a.k.a. Difference)

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/variance/index.html>

Component: (Network and Hypercube)	
Network	05-Variance Analysis ( <a href="http://www.xbrlsite.com/report/role/VarianceAnalysis">http://www.xbrlsite.com/report/role/VarianceAnalysis</a> )
Hypercube	Variance Analysis [Hypercube]

Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Period [Aspect]		
	2020-01-01   2020-12-31		
	Scenario [Axis]		
	Variance [Member]	Budgeted [Member]	Actual [Member]
Variance Analysis [Roll Up]			
Revenues	\$ 1,000	\$ 6,000	\$ 7,000
(Expenses)	(1,000)	(2,000)	(3,000)
Gains	250	750	1,000
(Losses)	(1,000)	(1,000)	(2,000)
Comprehensive Income	\$ (750)	\$ 3,750	\$ 3,000

	Period	2020-01-01 to 2020-12-31		
	Scenario [Axis]			
Concept		Actual [Member]	Budgeted [Member]	Variance [Member]
Variance Analysis [Roll Up]				
Revenues		7,000	6,000	1,000
(Expenses)		(3,000)	(2,000)	(1,000)
Gains		1,000	750	250
(Losses)		(2,000)	(1,000)	(1,000)
Comprehensive Income		3,000	3,750	(750)

Component: (Network and Table)	
Network	05 - Unknown - Variance Analysis
Table	Variance Analysis [Hypercube]

Reporting Entity [Axis]	GH259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Period [Axis]	2020-01-01/2020-12-31
Unit [Axis]	USD
Scenario [Axis]	

Variance Analysis [Line Items]	Variance [Member]	Budgeted [Member]	Actual [Member]
Variance Analysis [Roll Up]			
Revenues	1,000	6,000	7,000
(Expenses)	(1,000)	(2,000)	(3,000)
Gains	250	750	1,000
(Losses)	(1,000)	(1,000)	(2,000)
Comprehensive Income	(750)	3,750	3,000



## 2.8. Adjustment (a.k.a. Restatement)

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/adjustment/index.html>

Component: (Network and Hypercube)	
Network	04-Prior Period Errors ( <a href="http://www.xbrlsite.com/report/role/PriorPeriodErrors">http://www.xbrlsite.com/report/role/PriorPeriodErrors</a> )
Hypercube	Prior Period Errors [Hypercube]

Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Unit [Aspect]	iso4217:USD

Concept [Aspect]	Report Date [Axis]	Period [Aspect]
		2019-12-31
Prior Period Errors [Adjustment]		
Equity, Originally Stated	Prior Report [Member]	\$ 2,000
Changes in Accounting Policy	Current Report [Member]	(1,500)
Correction of an Error	Current Report [Member]	(500)
Equity, Restated	Current Report [Member]	\$ 0

Concept	Report Date [Axis]	Period
		2019-12-31
Prior Period Errors [Adjustment]		
Equity, Originally Stated	Prior Report [Member]	2,000
Changes in Accounting Policy	Current Report [Member]	(1,500)
Correction of an Error	Current Report [Member]	(500)
Equity, Restated	Current Report [Member]	0

Component: (Network and Table)	
Network	04 - Unknown - Prior Period Errors
Table	Prior Period Errors [Hypercube]

Reporting Entity [Axis]	GH259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Period [Axis]	2019-12-31

Prior Period Errors [Line Items]	Report Date [Axis]	Unit [Axis]
		USD
Prior Period Errors [Adjustment]		
Equity, Originally Stated	Prior Report [Member]	2,000
Changes in Accounting Policy	Current Report [Member]	(1,500)
Correction of an Error	Current Report [Member]	(500)
Equity, Restated	Current Report [Member]	0

## 2.9. Text Block (a.k.a. Escaped XHTML)

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/textblock/index.html>

Component: (Network and Hypercube)	
Network	08-Policies ( <a href="http://www.xbrlsite.com/report/role/Policies">http://www.xbrlsite.com/report/role/Policies</a> )
Hypercube	Implied

Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
---------------------------	------------------------------------------------------------------------------------------------------------

Concept [Aspect]	Period [Aspect]
	2020-01-01   2020-12-31
Basis of Reporting [Text Block]	<p>Duis fermentum. Nullam dui orci, scelerisque porttitor, volutpat a, porttitor a, enim. Sed lobortis. Maecenas scelerisque ullamcorper libero. Aliquam porta leo imperdiet pede. In semper, elit vel elementum auctor, lectus purus rhoncus arcu, lacinia sollicitudin justo odio et nunc. Phasellus sagittis fringilla risus. Curabitur iaculis sagittis orci. Ut malesuada libero nec nulla molestie vestibulum. Suspendisse lectus massa, ullamcorper at, tincidunt eget, bibendum vel, risus. Curabitur imperdiet. Suspendisse accumsan, arcu vel ornare interdum, magna tellus porta mauris, in porta mi lacus sodales felis. Pellentesque dapibus, leo non sollicitudin consequat, lectus orci fringilla felis, non interdum leo libero sed augue. Sed magna. Maecenas ante ipsum, congue ut, sodales a, pulvinar ut, dui. Suspendisse mauris massa, sollicitudin et, hendrerit eget, placerat id, orci. Donec molestie magna.</p> <p>Sed mauris. Nulla facilisi. Fusce tristique posuere ipsum. Nulla facilisi. Aliquam viverra risus vitae ante. Sed rhoncus mi in wisi. Nullam nibh dui, molestie vitae, imperdiet non, ornare at, elit. Aenean nec justo. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis sodales.</p>

Period	Concept
2020-01-01 to 2020-12-31	
	Policies [Abstract]
	<p>Basis of Reporting [Text Block]</p> <p>Duis fermentum. Nullam dui orci, scelerisque porttitor, volutpat a, porttitor a, enim. Sed lobortis. Maecenas scelerisque ullamcorper libero. Aliquam porta leo imperdiet pede. In semper, elit vel elementum auctor, lectus purus rhoncus arcu, lacinia sollicitudin justo odio et nunc. Phasellus sagittis fringilla risus. Curabitur iaculis sagittis orci. Ut malesuada libero nec nulla molestie vestibulum. Suspendisse lectus massa, ullamcorper at, tincidunt eget, bibendum vel, risus. Curabitur imperdiet. Suspendisse accumsan, arcu vel ornare interdum, magna tellus porta mauris, in porta mi lacus sodales felis. Pellentesque dapibus, leo non sollicitudin consequat, lectus orci fringilla felis, non interdum leo libero sed augue. Sed magna. Maecenas ante ipsum, congue ut, sodales a, pulvinar ut, dui. Suspendisse mauris massa, sollicitudin et, hendrerit eget, placerat id, orci. Donec molestie magna.</p> <p>Sed mauris. Nulla facilisi. Fusce tristique posuere ipsum. Nulla facilisi. Aliquam viverra risus vitae ante. Sed rhoncus mi in wisi. Nullam nibh dui, molestie vitae, imperdiet non, ornare at, elit. Aenean nec justo. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis sodales.</p>

Component: (Network and Table)	
Network	08 - Unknown - Policies
Table	Implied [Table]
Reporting Entity [Axis]	GH259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Unit [Axis]	
	Period [Axis]
Implied [Line Items]	2020-01-01/2020-12-31
Basis of Reporting [Text Block]	<p>Duis fermentum. Nullam dui orci, scelerisque porttitor, volutpat a, porttitor a, enim. Sed lobortis. Maecenas scelerisque ullamcorper libero. Aliquam porta leo imperdiet pede. In semper, elit vel elementum auctor, lectus purus rhoncus arcu, lacinia sollicitudin justo odio et nunc. Phasellus sagittis fringilla risus. Curabitur iaculis sagittis orci. Ut malesuada libero nec nulla molestie vestibulum. Suspendisse lectus massa, ullamcorper at, tincidunt eget, bibendum vel, risus. Curabitur imperdiet. Suspendisse accumsan, arcu vel ornare interdum, magna tellus porta mauris, in porta mi lacus sodales felis. Pellentesque dapibus, leo non sollicitudin consequat, lectus orci fringilla felis, non interdum leo libero sed augue. Sed magna. Maecenas ante ipsum, congue ut, sodales a, pulvinar ut, dui. Suspendisse mauris massa, sollicitudin et, hendrerit eget, placerat id, orci. Donec molestie magna.</p> <p>Sed mauris. Nulla facilisi. Fusce tristique posuere ipsum. Nulla facilisi. Aliquam viverra risus vitae ante. Sed rhoncus mi in wisi. Nullam nibh dui, molestie vitae, imperdiet non, ornare at, elit. Aenean nec justo. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis sodales.</p>

## 2.10. Roll Forward Info

Platinum test case: <http://www.xbrlsite.com/seattlemethod/platinum-testcases/rollforwardinfo/index.html>

Component: (Network and Hypercube)	
Network	06-Stock Plan Activity ( <a href="http://www.xbrlsite.com/report/role/StockPlanActivity">http://www.xbrlsite.com/report/role/StockPlanActivity</a> )
Hypercube	Implied

Reporting Entity [Aspect]	GH259400TOMPUOLS65II   <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>
Unit [Aspect]	iso4217:USD/shares

Concept [Aspect]	Period [Aspect]	
Nonvested Fair Value, Beginning Balance	2019-12-31	32.72
Granted	2020-01-01   2020-12-31	41.51
Vested	2020-01-01   2020-12-31	30.92
Forfeited	2020-01-01   2020-12-31	35.93
Nonvested Fair Value, Ending Balance	2020-12-31	36.92

Concept	Period	
	2020-01-01 to 2020-12-31	
<b>Weighted Average Grant Date Fair Value [Roll Forward Info]</b>		
Nonvested Fair Value, Beginning Balance		32.72
Granted		41.51
Vested		30.92
Forfeited		35.93
Nonvested Fair Value, Ending Balance		36.92

Component: (Network and Table)		
Network	06 - Unknown - Stock Plan Activity	
Table	Implied [Table]	
Reporting Entity [Axis]	GH259400TOMPUOLS65II <a href="http://standards.iso.org/iso/17442">http://standards.iso.org/iso/17442</a>	
Unit [Axis]	USD/shares / shares	
	Period [Axis] ▼	
Implied [Line Items]	2020-01-01/2020-12-31	
<b>Weighted Average Grant Date Fair Value [Roll Forward Info]</b>		
Nonvested Fair Value, Beginning Balance		33
Granted		42
Vested		31
Forfeited		36
Nonvested Fair Value, Ending Balance		37

## 2.11. Roll Forward Two Period Comparison

Concept [Aspect]	Period [Aspect]			
Equity Roll Forward				
Equity, Beginning	2022-12-31	\$ 100	2021-12-31	\$ 0
Comprehensive Income	2023-01-01   2023-12-31	100	2022-01-01   2022-12-31	100
Investments by Owners	2023-01-01   2023-12-31	1,000	2022-01-01   2022-12-31	1,000
Distributions to Owners Negated	2023-01-01   2023-12-31	(1,000)	2022-01-01   2022-12-31	(1,000)
Equity, Ending	2023-12-31	<u>\$ 200</u>	2022-12-31	<u>\$ 100</u>

Concept [Aspect]	Period [Aspect]	
	2023-01-01   2023-12-31	2022-01-01   2022-12-31
Equity Roll Forward		
Equity, Beginning	\$ 100	\$ 0
Comprehensive Income	100	100
Investments by Owners	1,000	1,000
Distributions to Owners Negated	(1,000)	(1,000)
Equity, Ending	<u>\$ 200</u>	<u>\$ 100</u>

## 3. Software

The following is a list of software that supports XBRL-based reports and software that supports that process.

### 3.1. Published Lists

XBRL International publishes the following list of XBRL CERTIFIED software:  
<https://software.xbrl.org/>

XBRL International publishes the following list of XBRL software (not necessarily certified): <https://www.xbrl.org/the-standard/how/tools-and-services/>

XBRL Europe provides this list of software:  
[https://www.xbrleurope.org/?page\\_id=1243](https://www.xbrleurope.org/?page_id=1243)

XBRL US publishes this list of XBRL software: <https://xbrl.us/home/learn/tools-and-services/catalog/>

Ministry of Corporate Affairs (MCA) publishes this list of XBRL software:  
[https://www.mca.gov.in/XBRL/software\\_vendor.html](https://www.mca.gov.in/XBRL/software_vendor.html)

### 3.2. My List of Software

In no particular order, here is a list of software that supports the XBRL standard, mainly for creating reports but there are some other types of software also provided. Note that this list is not complete:

Company Name	Software Name	URL
ABZ	ABZ Reporting	<a href="https://www.abz-reporting.com/">https://www.abz-reporting.com/</a>
Amana	XBRL Engine	<a href="https://amana.de/en/xbrl-engine.html">https://amana.de/en/xbrl-engine.html</a>
Amelkis Solutions	Opera	<a href="https://www.amelkis-solutions.com/en/">https://www.amelkis-solutions.com/en/</a>
Compliance Xpressware	XPressware	<a href="http://cxware.com/">http://cxware.com/</a>
DataTracks		<a href="https://www.datatracks.com/">https://www.datatracks.com/</a>
Webtel	WEBTEL-XBRL	<a href="https://webtel.in/WEB-xbrl.aspx">https://webtel.in/WEB-xbrl.aspx</a>
Auditchain	Pacioli	<a href="https://pacioli.auditchain.finance/tools/PowerUserTool.swinb">https://pacioli.auditchain.finance/tools/PowerUserTool.swinb</a>
Auditchain	Luca	<a href="https://dev.auditchain.finance/">https://dev.auditchain.finance/</a>
XBRL Cloud	Evidence Package	<a href="https://www.xbrlcloud.com/">https://www.xbrlcloud.com/</a>

<b>Company Name</b>	<b>Software Name</b>	<b>URL</b>
Reportix	XBRL Database	<a href="https://www.reportix.com/">https://www.reportix.com/</a>
Corporatings	Prism	<a href="https://www.corporatings.com/solutions/prism">https://www.corporatings.com/solutions/prism</a>
Workiva	WDesk	<a href="https://www.workiva.com/solutions/sec-reporting">https://www.workiva.com/solutions/sec-reporting</a>
Awther	Reporting	<a href="https://www.awther.com/">https://www.awther.com/</a>
Pesseract	Cloud reporting tool	<a href="https://www.pesseract.com/apps/reportexplorer">https://www.pesseract.com/apps/reportexplorer</a>
UBpartner	Various	<a href="https://www.ubpartner.com">https://www.ubpartner.com</a>
CoreFiling	Various	<a href="https://www.corefiling.com/">https://www.corefiling.com/</a>
Reporting Standards	Various	<a href="https://www.reportingstandard.com/?lang=en">https://www.reportingstandard.com/?lang=en</a>
Arelle	Open Source Software	<a href="https://arelle.org/arelle/">https://arelle.org/arelle/</a>
XBRLQuery		<a href="https://www.xbrlquery.com/">https://www.xbrlquery.com/</a>
EZ-XBRL	Integix	<a href="https://ez-xbrl.com/">https://ez-xbrl.com/</a>
ACC		<a href="https://4acc.com/article/what-is-xbrl/">https://4acc.com/article/what-is-xbrl/</a>
Invoke Software		<a href="https://www.invoke-software.com/xbrl/solutions/invoke-xbrl-software-suite">https://www.invoke-software.com/xbrl/solutions/invoke-xbrl-software-suite</a>
KDK	eXBace	<a href="https://www.kdksoftware.com/exbace-xbrl-software.php">https://www.kdksoftware.com/exbace-xbrl-software.php</a>
Adept XBRL		<a href="https://adeptinfoways.com/products/product/xbrl">https://adeptinfoways.com/products/product/xbrl</a>
Quantrix	Modler	<a href="https://www.quantrix.com/QuantrixandXBRL.pdf">https://www.quantrix.com/QuantrixandXBRL.pdf</a>
DFIN	Active Disclosure	<a href="https://www.dfinsolutions.com/products/activedisclosure">https://www.dfinsolutions.com/products/activedisclosure</a>
IRIS	IRIS Carbon	<a href="https://iriscarbon.com/products/iris-carbon-for-sec-edgar-and-ixbrl-reporting/">https://iriscarbon.com/products/iris-carbon-for-sec-edgar-and-ixbrl-reporting/</a>
SEC Publisher	Smart XBRL	<a href="http://www.secpublisher.com/smart-xbrl/">http://www.secpublisher.com/smart-xbrl/</a>

<b>Company Name</b>	<b>Software Name</b>	<b>URL</b>
Advanced Computer Innovations	SEC Compliance Software	<a href="https://acii.com/">https://acii.com/</a>
Novaworks Software	GoXBRL	<a href="https://www.novaworkssoftware.com/goxbri.php">https://www.novaworkssoftware.com/goxbri.php</a>
SAP	Disclosure Management	<a href="https://help.sap.com/docs/SAP_DISCLOSURE_MANAGEMENT/6fda503523d6413597f5cd81be59fa8a/4b98c3e2958249f09a3d49069df70431.html">https://help.sap.com/docs/SAP_DISCLOSURE_MANAGEMENT/6fda503523d6413597f5cd81be59fa8a/4b98c3e2958249f09a3d49069df70431.html</a>
Oracle	Disclosure Management	<a href="https://docs.oracle.com/en/cloud/saas/enterprise-performance-reporting-cloud/udepr/introduction%20to%20disclosuremgmt%20116x8e51bd28.html">https://docs.oracle.com/en/cloud/saas/enterprise-performance-reporting-cloud/udepr/introduction to disclosuremgmt 116x8e51bd28.html</a>
Firesys	End-to-end reporting software	<a href="https://firesys.de/en/">https://firesys.de/en/</a>
Fujitsu	Interstage XWand	<a href="https://www.fujitsu.com/global/products/software/middleware/application-infrastructure/interstage/solutions/xbri/">https://www.fujitsu.com/global/products/software/middleware/application-infrastructure/interstage/solutions/xbri/</a>
Parseport (Purchased by Workiva)		<a href="https://parseport.com/">https://parseport.com/</a>
Altova	XBRL Development Tools	<a href="https://www.altova.com/xbri-tools">https://www.altova.com/xbri-tools</a>
Semansys		<a href="https://semansys.com/solutions-sec-reporting/">https://semansys.com/solutions-sec-reporting/</a>
Regnology		<a href="http://www.regnology.net/en/">http://www.regnology.net/en/</a>
Toppan Merrell	Bridge	<a href="https://www.toppanmerrill.com/bridge/">https://www.toppanmerrill.com/bridge/</a>
YAXBRL	Luca	<a href="https://general.luca.report/en/">https://general.luca.report/en/</a>
Certent		<a href="https://dm.certent.com/help/Content/I_XBRL/xbri.htm">https://dm.certent.com/help/Content/I_XBRL/xbri.htm</a>
RDG Filings	Thunderdome	<a href="https://rdgfilings.com/thunderdome-client-portal/">https://rdgfilings.com/thunderdome-client-portal/</a>
CompSci	SEC Reporting	<a href="https://www.compsciresources.com/">https://www.compsciresources.com/</a>

Company Name	Software Name	URL
Broadridge	PROFile SEC Reporting	<a href="https://www.broadridge.com/financial-services/corporate-issuer/issuer/streamline-disclosure-and-stay-in-compliance/annual-compliance">https://www.broadridge.com/financial-services/corporate-issuer/issuer/streamline-disclosure-and-stay-in-compliance/annual-compliance</a>
S2 Filings		<a href="https://www.s2filings.com/">https://www.s2filings.com/</a>

### 3.3. Taxonomy Viewing Tools

This is a summary of taxonomy viewing tools.

#### 3.3.1. XBRL Cloud Evidence Package

<http://accounting.auditchain.finance/reporting-scheme/proof/reference-implementation/evidence-package/contents/index.html#ModelSummary.html>

Component Perspective Overview Perspective

Report Information

Report Properties

Rendering Summary

Model Structure Summary

Fact Table Summary

Report Elements Summary

Business Rules Summary

Verification Summary

Verification Summary

XBRL Technical Syntax Rules

Model Structure Rules

Business Rules

Roll Up Rules

Other Manual Review Tasks

Other Rules and Best Practice Tasks

Report Elements

Networks

Tables

Axes

Members

Line Items

Abstracts

Concepts

Special Purpose / Focused Reports

Extension Report Elements Added by Filer

Usage Summary (decimals, period, units, etc.)

Negative Fact Values

Component Intersections of Concepts

Model Structure Summary

Component: (Network and Table)

Network

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### 3.3.2. CoreFilings Yeti

<https://www.xbrlsite.com/2023/TaxonomyTools/CoreFilingsYeti.jpg>

<https://bigfoot.corefiling.com/yeti/resources/yeti-gwt/Yeti.jsp>

The screenshot shows the CoreFilings Yeti web application. The interface includes a 'Network Browser' on the left, a 'Details' panel in the center, and a 'References' section at the bottom. The 'Details' panel displays the 'Equity and liabilities' concept, showing its properties (Name, Namespace, Data Type, etc.) and labels (Type, Standard Label, Documentation, etc.). The 'References' section lists various references related to the concept.

### 3.3.3. UBmatrix Taxonomy Designer

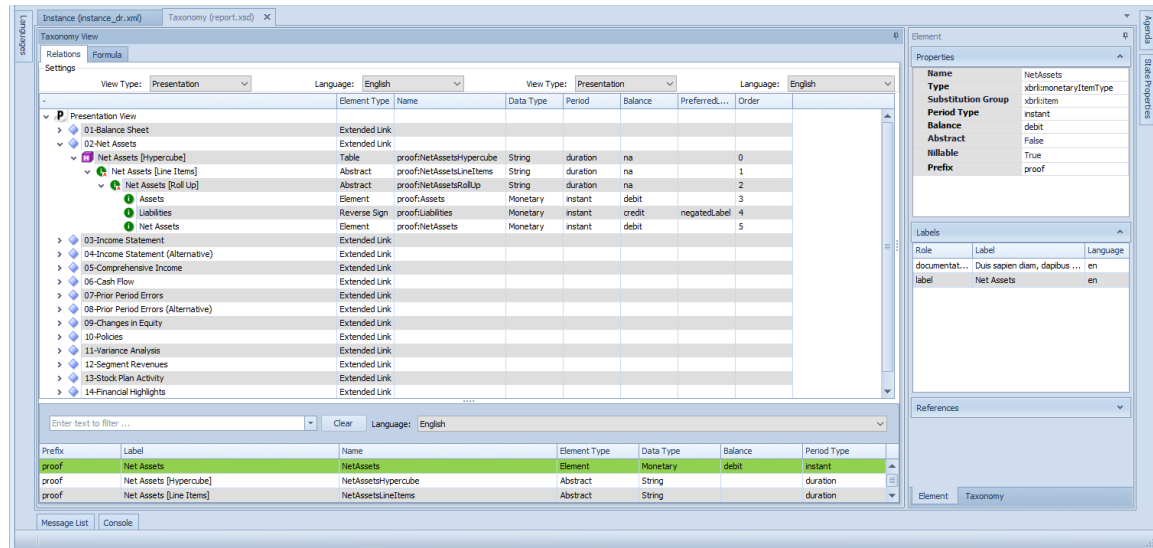
<http://www.xbrlsite.com/2023/TaxonomyTools/UBmatrixTaxonomyDesigner.jpg>

The screenshot shows the UBmatrix Taxonomy Designer software interface. The interface is divided into several panes: 'Presentation View', 'Calculation View', 'Definition View', and a 'Taxonomy - proof-entry' panel on the right. The 'Presentation View' shows a tree structure of financial statement components. The 'Calculation View' shows the calculation logic for the components. The 'Definition View' displays the definition of the components. The 'Taxonomy - proof-entry' panel on the right contains various settings and information, including 'Name', 'Description', 'NamespacePrefix', 'FormulaType', 'ReferenceTaxonomies', 'ExtraXML', 'ExtraXMLAppInfo', 'NumberOfElements', 'Taxonomy Saving', 'SaveStrategy', 'SaveReferencesTaxonomies', 'User Environment', 'ShowLanguage', 'ShowLabelRole', 'DefaultType', 'Notes', 'Utility Information', 'XBRL Metadata', 'DataTypes', 'LabelRoles', 'ReferenceRoles', and 'LinkbaseRoles'.

### 3.3.4. Pesseract

<https://www.xbrlsite.com/2023/TaxonomyTools/PesseractTaxonomyViewer.jpg>

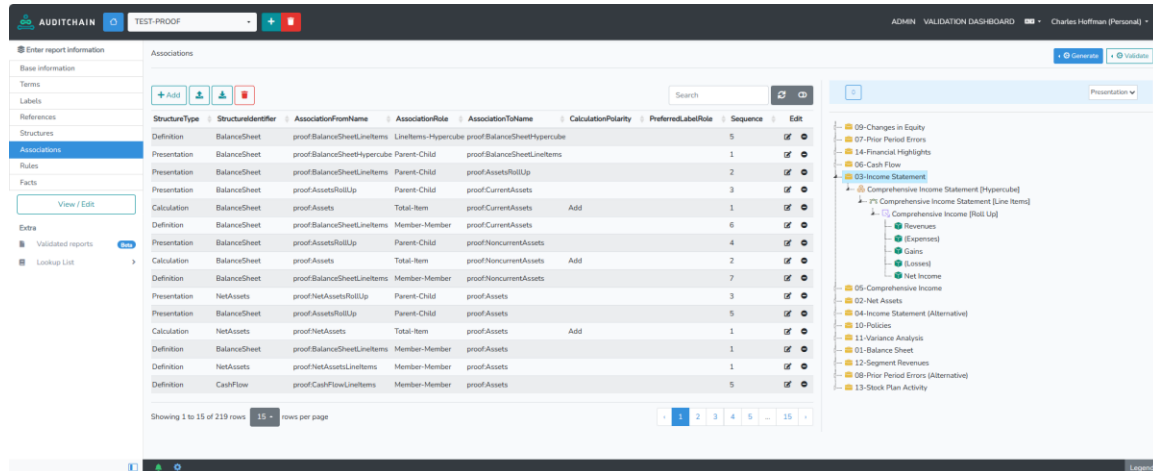
<https://photos.app.goo.gl/cWeZYaMBEbmSSm7v8>



### 3.3.5. Auditchain Luca

<https://www.xbrlsite.com/2023/TaxonomyTools/AuditchainLucaViewer.jpg>

<https://dev.auditchain.finance/>



### 3.3.6. Auditchain Pacioli

<https://auditchain.infura-ipfs.io/ipfs/QmNUY15G1dhTXCYuyvqYWZ33Nc6mKRUDz7GDgLFonaPs/558414bf8c081288d339.html#eca2d9e49d081b353571>

<https://pacioli.auditchain.finance/tools/PowerUserTool.swinb>

Model Structure					
Network	03-Income Statement ( <a href="http://www.xbrlsite.com/seattlemethod/report/role/ComprehensiveIncome">http://www.xbrlsite.com/seattlemethod/report/role/ComprehensiveIncome</a> )				
Table	Comprehensive Income Statement [Hypercube]				
#	Label	Report Element Class	Period Type	Balance	Name
1	Comprehensive Income Statement [Hypercube]	Hypercube			<a href="#">proof:ComprehensiveIncomeStatementHypercube</a>
2	Comprehensive Income Statement [Line Items]	LineItems			<a href="#">proof:ComprehensiveIncomeStatementLineItems</a>
3	Comprehensive Income [Roll Up]	Abstract			<a href="#">proof:ComprehensiveIncomeRollUp</a>
4	Revenues	Concept (Monetary)	duration	credit	<a href="#">proof:Revenues</a>
5	(Expenses)	Concept (Monetary)	duration	debit	<a href="#">proof:Expenses</a>
6	Gains	Concept (Monetary)	duration	credit	<a href="#">proof:Gains</a>
7	(Losses)	Concept (Monetary)	duration	debit	<a href="#">proof:Losses</a>
8	Net Income	Concept (Monetary)	duration	credit	<a href="#">proof:NetIncome</a>

### 3.3.7. My HTML Viewer

<https://www.xbrlsite.com/2023/TaxonomyTools/MyViewer.jpg>

[https://www.xbrlsite.com/seattlemethod/platinum/proof/base-taxonomy/proof\\_ModelStructure.xml](https://www.xbrlsite.com/seattlemethod/platinum/proof/base-taxonomy/proof_ModelStructure.xml)

Line	Label	Report Element Category	Period Type	Balance	Report Element Name
1	01-Balance Sheet	Network			<a href="http://www.xbrlsite.com/seattlemethod/proof/role/BalanceSheet">http://www.xbrlsite.com/seattlemethod/proof/role/BalanceSheet</a>
2	Balance Sheet [Hypercube]	Hypercube			<a href="#">proof:BalanceSheetHypercube</a>
3	Balance Sheet [Line Items]	LineItems			<a href="#">proof:BalanceSheetLineItems</a>
4	Assets [Roll Up]	Abstract			<a href="#">proof:AssetsRollUp</a>
5	Current Assets	Concept (Monetary)	As Of	Debit	<a href="#">proof:CurrentAssets</a>
6	Noncurrent Assets	Concept (Monetary)	As Of	Debit	<a href="#">proof:NoncurrentAssets</a>
7	Assets	Concept (Monetary)	As Of	Debit	<a href="#">proof:Assets</a>
8	Liabilities and Equity [Roll Up]	Abstract			<a href="#">proof:LiabilitiesAndEquityRollUp</a>
9	Liabilities [Roll Up]	Abstract			<a href="#">proof:LiabilitiesRollUp</a>
10	Current Liabilities	Concept (Monetary)	As Of	Credit	<a href="#">proof:CurrentLiabilities</a>
11	Noncurrent Liabilities	Concept (Monetary)	As Of	Credit	<a href="#">proof:NoncurrentLiabilities</a>
12	Liabilities	Concept (Monetary)	As Of	Credit	<a href="#">proof:Liabilities</a>
13	Equity [Roll Up]	Abstract			<a href="#">proof:EquityRollUp</a>
14	Equity Attributable To Controlling Interests	Concept (Monetary)	As Of	Credit	<a href="#">proof:EquityAttributableToControllingInterests</a>
15	Equity Attributable To Noncontrolling Interests	Concept (Monetary)	As Of	Credit	<a href="#">proof:EquityAttributableToNoncontrollingInterests</a>
16	Equity	Concept (Monetary)	As Of	Credit	<a href="#">proof:Equity</a>
17	Liabilities and Equity	Concept (Monetary)	As Of	Credit	<a href="#">proof:LiabilitiesAndEquity</a>
18	02-Net Assets	Network			<a href="http://www.xbrlsite.com/seattlemethod/proof/role/NetAssets">http://www.xbrlsite.com/seattlemethod/proof/role/NetAssets</a>
19	Net Assets [Hypercube]	Hypercube			<a href="#">proof:NetAssetsHypercube</a>
20	Net Assets [Line Items]	LineItems			<a href="#">proof:NetAssetsLineItems</a>
21	Net Assets [Roll Up]	Abstract			<a href="#">proof:NetAssetsRollUp</a>
22	Assets	Concept (Monetary)	As Of	Debit	<a href="#">proof:Assets</a>
23	Liabilities	Concept (Monetary)	As Of	Credit	<a href="#">proof:Liabilities</a>
24	Net Assets	Concept (Monetary)	As Of	Debit	<a href="#">proof:NetAssets</a>
25	03-Income Statement	Network			<a href="http://www.xbrlsite.com/seattlemethod/proof/role/ComprehensiveIncome">http://www.xbrlsite.com/seattlemethod/proof/role/ComprehensiveIncome</a>
26	Comprehensive Income Statement [Hypercube]	Hypercube			<a href="#">proof:ComprehensiveIncomeStatementHypercube</a>
27	Comprehensive Income Statement [Line Items]	LineItems			<a href="#">proof:ComprehensiveIncomeStatementLineItems</a>
28	Comprehensive Income [Roll Up]	Abstract			<a href="#">proof:ComprehensiveIncomeRollUp</a>
29	Revenues	Concept (Monetary)	For Period	Credit	<a href="#">proof:Revenues</a>
30	(Expenses)	Concept (Monetary)	For Period	Debit	<a href="#">proof:Expenses</a>
31	Gains	Concept (Monetary)	For Period	Credit	<a href="#">proof:Gains</a>
32	(Losses)	Concept (Monetary)	For Period	Debit	<a href="#">proof:Losses</a>
33	Net Income	Concept (Monetary)	For Period	Credit	<a href="#">proof:NetIncome</a>
34	04-Income Statement (Alternative)	Network			<a href="http://www.xbrlsite.com/seattlemethod/proof/role/ComprehensiveIncome2">http://www.xbrlsite.com/seattlemethod/proof/role/ComprehensiveIncome2</a>
35	Comprehensive Income Statement [Hypercube]	Hypercube			<a href="#">proof:ComprehensiveIncomeStatementHypercube</a>
36	Comprehensive Income Statement [Line Items]	LineItems			<a href="#">proof:ComprehensiveIncomeStatementLineItems</a>
37	Comprehensive Income [Roll Up]	Abstract			<a href="#">proof:ComprehensiveIncomeRollUp</a>
38	Income from Normal Activities of Entity	Concept (Monetary)	For Period	Credit	<a href="#">proof:IncomeFromNormalActivitiesOfEntity</a>
39	Income from Peripheral or Incidental Transactions of Entity	Concept (Monetary)	For Period	Credit	<a href="#">proof:IncomeFromPeripheralOrIncidentalTransactionsOfEntity</a>
40	Net Income	Concept (Monetary)	For Period	Credit	<a href="#">proof:NetIncome</a>