

Accounting Equation: (1 structure)

Show more information									
Primary Information									
#	Disclosure	Category	Level	Pattern	Disclosure Found	Disclosure Consistent	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Balance Sheet	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Assets

Rules

Primary Information									
#	Disclosure	Category	Level	Pattern	Disclosure Found	Disclosure Consistent	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Balance Sheet	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Assets
<p>Rules Line of Reasoning</p> <p>This disclosure: disclosures:BalanceSheet</p> <ul style="list-style-type: none"> - MUST be represented using the Hypercube/[Table] named: sfac6:BalanceSheetHypercube - MUST be represented as a Level 4 Disclosure Detail with the concept arrangement pattern: cm:Hierarchy <ul style="list-style-type: none"> - cm:Hierarchy REQUIRES concept: sfac6:Assets - The Hierarchy MUST contain the Level 4 Detailed Concept: sfac6:Liabilities - The Hierarchy MUST contain the Level 4 Detailed Concept: sfac6:Equity 									

Line of Reasoning:

Primary Information									
#	Disclosure	Category	Level	Pattern	Disclosure Found	Disclosure Consistent	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Balance Sheet	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Assets
<p>Rules Line of Reasoning</p> <p>###Disclosure mechanics validation explanation for disclosure: disclosures:BalanceSheet###</p> <p>Level 4 Disclosure Detail</p> <p>Looking for blocks with concept arrangement pattern: Hierarchy</p> <p>Looking for Hypercube/[Table]: sfac6:BalanceSheetHypercube</p> <p>*FOUND Hypercube/[Table]: sfac6:BalanceSheetHypercube in network:</p> <p>Looking for Concept: sfac6:Assets</p> <p>*FOUND Concept: sfac6:Assets in network:</p> <p>Looking for Concept: sfac6:Liabilities</p> <p>*FOUND Concept: sfac6:Liabilities in network:</p> <p>Looking for Concept: sfac6:Equity</p> <p>*FOUND Concept: sfac6:Equity in network:</p> <p>Concept located in network: 01-Balance Sheet</p> <p>CONCLUSION</p> <p>Disclosure found in report: True</p> <p>Disclosure mechanics are CONSISTENT because the Level 4 Disclosure Detail concept was FOUND.</p> <p>### END of disclosure mechanics validation explanation for this disclosure ###</p>									

Example of Disclosure Mechanics Rules:

Rules: disclosures:InventoryNetRollUp

Disclosure mechanics validation for disclosure: disclosures:InventoryNetRollUp

Roll up of details of components of current inventory, net.

This disclosure:

- **MUST** be represented by the networks with the SEC Category: **DISCLOSURE**
- **MUST** be represented as an **SEC Level 4 Disclosure Detail** with the concept arrangement pattern: **ROLL UP**
 - ROLL UP REQUIRES the total concept `us-gaap:InventoryNet`
 - or alternative concept: `us-gaap:InventoryNetOfAllowancesCustomerAdvancesAndProgressBillings`
 - or alternative concept: `us-gaap:PublicUtilitiesInventory`
 - or alternative concept: `us-gaap:AirlineRelatedInventory`
 - or alternative concept: `us-gaap:RetailRelatedInventory`
 - or alternative concept: `us-gaap:EnergyRelatedInventory`
 - or alternative concept: `us-gaap:AgriculturalRelatedInventory`
- **MUST** be represented using the **SEC Level 3/2 Disclosure Text Block**: `us-gaap:ScheduleOfInventoryCurrentTableTextBlock`
 - or alternative concept: `us-gaap:ScheduleOfUtilityInventoryTextBlock`
- Requires the note to be reported using the **SEC Level 1 Note Text Block**: `us-gaap:InventoryDisclosureTextBlock`
- Requires the policy to be reported using the **SEC Level 2 Policy Text Block**: `us-gaap:InventoryPolicyTextBlock`
 - or alternative concept: `us-gaap:InventoryMajorClassesPolicy`
 - or alternative concept: `us-gaap:InventorySuppliesPolicy`
 - or alternative concept: `us-gaap:InventoryWorkInProgressPolicy`
 - or alternative concept: `us-gaap:InventoryFinishedGoodsPolicy`

Ok

extBlock	ROLL UP	False	True	N/A	Property, Plant and	NOT-FOUND	Alternative	Not necessary, satisfied by Pro
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SFAC 6 – Elements of Financial Statements: (Three structures)

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#	▲ Disclosure	Categ...	Level	Pattern	Disclosure ...	Disclosure ...	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Balance Sheet	Unkno...	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Assets
2	Changes in Equity	Unkno...	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Equity
3	Comprehensive Income	Unkno...	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Comprehensive Income

Rules:

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#	▲ Disclosure	Categ...	Level	Pattern	Disclosure ...	Disclosure ...	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Balance Sheet	Unkno...	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Assets
Rules Line of Reasoning This disclosure: disclosures:BalanceSheet - MUST be represented using the Hypercube/[Table] named: sfac6:BalanceSheetHypercube - MUST be represented as a Level 4 Disclosure Detail with the concept arrangement pattern: cm:Hierarchy - cm:Hierarchy REQUIRES concept: sfac6:Assets - The Hierarchy MUST contain the Level 4 Detailed Concept: sfac6:Liabilities - The Hierarchy MUST contain the Level 4 Detailed Concept: sfac6:Equity									
2	Changes in Equity	Unkno...	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Equity
Rules Line of Reasoning This disclosure: disclosures:ChangesInEquity - MUST be represented using the Hypercube/[Table] named: sfac6:ChangesInEquityHypercube - MUST be represented as a Level 4 Disclosure Detail with the concept arrangement pattern: cm:RollForward - cm:RollForward REQUIRES beginning/ending balance: sfac6:Equity									
3	Comprehensive Income	Unkno...	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Comprehensive Income
Rules Line of Reasoning This disclosure: disclosures:ComprehensiveIncome - MUST be represented using the Hypercube/[Table] named: sfac6:ComprehensiveIncomeStatementHypercube - MUST be represented as a Level 4 Disclosure Detail with the concept arrangement pattern: cm:RollUp - cm:RollUp REQUIRES total: sfac6:ComprehensiveIncome									

Line of reasoning works the same way as accounting equation

SFAC 6 Plus Net Assets: 7 structures

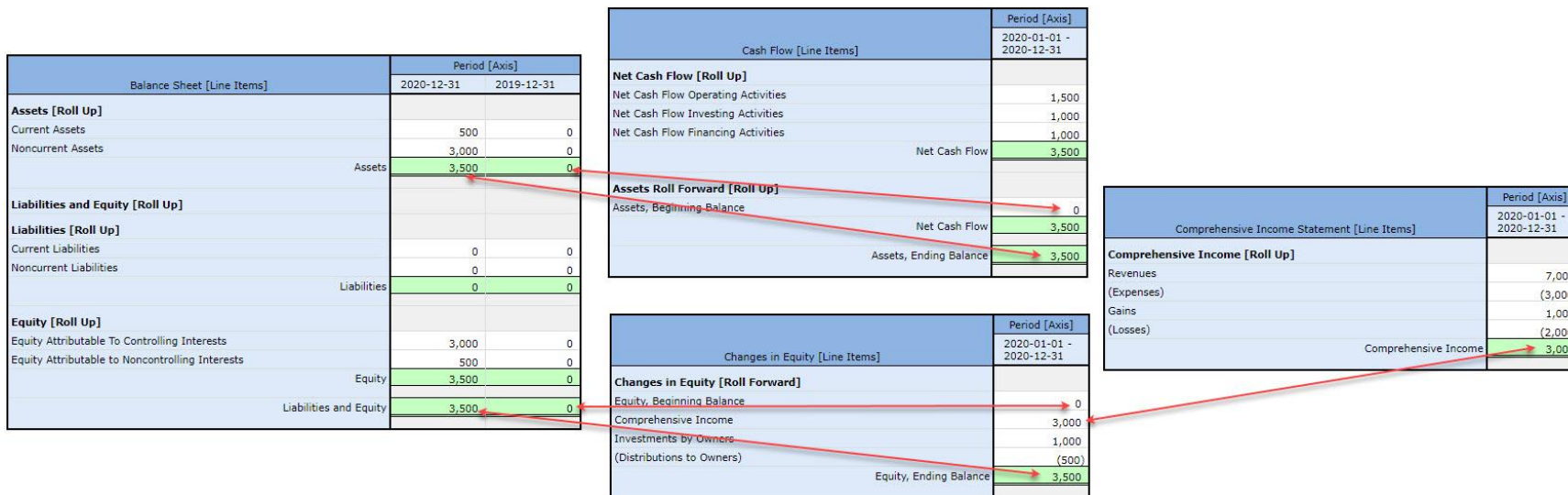
Show more information									
Primary Information									
#	Disclosure	Categ...	Level	Pattern	Disclosure ...	Disclosure ...	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Balance Sheet	Unkno...	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Assets
2	Changes in Equity	Unkno...	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Equity
3	Changes in Fund Bal...	Unkno...	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Fund Balance
4	Changes in Net Assets	Unkno...	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Change in Net Assets
5	Comprehensive Income	Unkno...	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Comprehensive Income
6	Fund Balance	Unkno...	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Fund Balance
7	Net Assets	Unkno...	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Assets

Rules work the same way as previous.

Line of reasoning works same way as previous.

Common Elements of Financial Statement (i.e. Four Statement Model): 4 structures, interlinked, multiple versions of structures

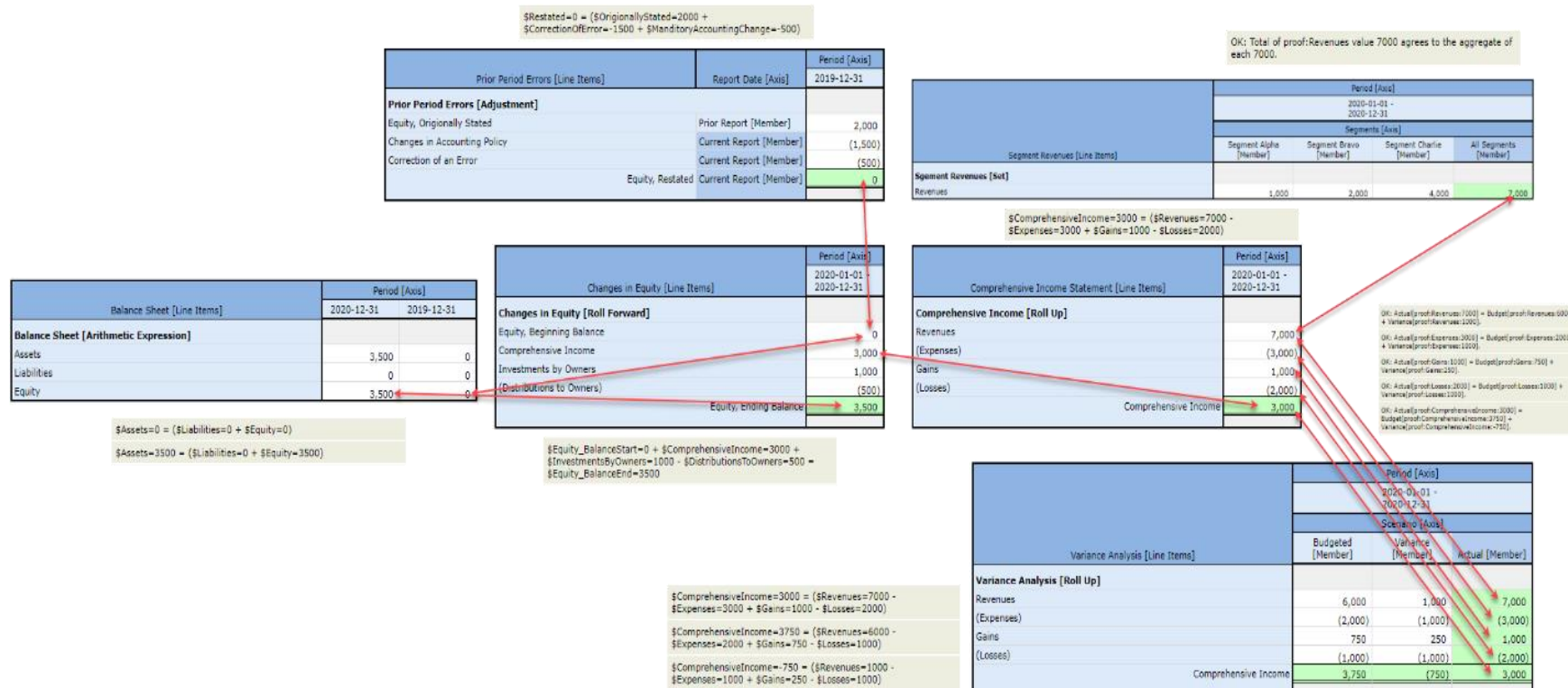
Show more information									
Primary Information									
#	Disclosure	Category	Level	Pattern	Disclosure Found	Disclosure ...	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Assets Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Assets
2	Assets Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Assets
3	Balance Sheet	Unknown	UNKNOWN	Component	True	CONSISTENT	True	-	-
4	Cash Flow Statement	Unknown	UNKNOWN	Component	True	CONSISTENT	True	-	-
5	Changes in Equity	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Equity
6	Comprehensive Income	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Comprehensive Income
7	Comprehensive Income 2	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Comprehensive Income
8	Comprehensive Income 3	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Comprehensive Income
9	Liabilities and Equity Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Assets
10	Net Assets Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Assets
11	Net Cash Flow Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Cash Flow



Proof: complete inventory of all structure types; Hierarchy (a.k.a. Set), Roll Up, Roll Forward, Text Block, Adjustment, Variance, Roll Forward Info, Arithmetic

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#	Disclosure	Category	Level	Pattern	Disclosure Found	Disclosure Consistent	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Balance Sheet	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Assets
2	Basis of Reporting	Unknown	Level1TextBlock	TextBlock	True	CONSISTENT	True	Basis of Reporting [Text Block]	NOT-EXPECTED
3	Changes in Equity	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Equity
4	Financial Highlights	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Revenues
5	Income Statement	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Comprehensive Income
6	Nature of Operations	Unknown	Level1TextBlock	TextBlock	True	CONSISTENT	True	Nature of Operations [Text Block]	NOT-EXPECTED
7	Prior Period Errors	Unknown	Level4Detail	Adjustment	True	CONSISTENT	True	NOT-EXPECTED	Equity
8	Revenue Recognition Policy	Unknown	Level1TextBlock	TextBlock	True	CONSISTENT	True	Revenue Recognition Policy [Text Block]	NOT-EXPECTED
9	Segment Revenues	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Revenues
10	Stock Plan Activity	Unknown	Level4Detail	RollForwardInfo	True	CONSISTENT	True	NOT-EXPECTED	Nonvested Fair Value
11	Variance Analysis	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Comprehensive Income

This shows the mathematical associations within and between structures and within structures of the PROOF representation.



Trial Balance: 20 structures; connection with accounting transactions; real accounts, temporary accounts; trial balance; roll forward of every real account; starting to look like a real financial report; internal financial report.

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#	Disclosure	Category	Level	Pattern	Disclosure Found	Disclosure Consistent	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Accounts Payable Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Accounts Payable
2	Assets Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Assets
3	Balance Sheet	Statement	UNKNOWN	Component	True	CONSISTENT	True	-	-
4	Cash Flow Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Cash and Cash Equivalents
5	Cash Flow Statement	Statement	UNKNOWN	Component	True	CONSISTENT	True	-	-
6	Cash and Cash Equivalents Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Cash and Cash Equivalents
7	Changes in Equity	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Equity
8	Comprehensive Income	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Income (Loss)
9	Comprehensive Income 2	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Income (Loss)
10	Finished Goods Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Finished Goods
11	Inventories Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Inventories
12	Inventories Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Inventories
13	Liabilities and Equity Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Assets
14	Long Term Debt Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Long-term Debt
15	Net Cash Flow Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Cash Flow
16	Property, Plant, and Equipment Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Property, Plant and Equipment
17	Receivables Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Receivables
18	Retained Earnings Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Retained Earnings
19	Transactions Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Check Sum Changes
20	Trial Balance Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Check Sum

MINI financial reporting scheme: 30 structures, some structures represented with both text block and detailed representation.

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Primary Information									
#	Disclosure	Category	Level	Pattern	Disclosure Found	Disclosure ...	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
1	Accounts Payable Roll Forward	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Accounts Payable Roll Forward [Text Block]	Accounts Payable
2	Accounts Payable Subclassifications	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Accounts Payable Subclassifications [Text ...	Accounts Payable
3	Assets Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Assets
4	Balance Sheet, Classified	Statement	UNKNOWN	Component	True	CONSISTENT	True	-	-
5	Basis of Presentation	Unknown	Level1TextBlock	TextBlock	True	CONSISTENT	True	Basis of Reporting [Text Block]	NOT-EXPECTED
6	Cash and Cash Equivalents Roll Forward	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Cash and Cash Equivalents Roll Forward [...	Cash and Cash Equivalents
7	Cash and Cash Equivalents Subclassifications	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Cash and Cash Equivalents Subclassificati...	Cash and Cash Equivalents
8	Cash and Cash Equivalents Summary Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Cash and Cash Equivalents
9	Cash Flow Statement, Direct Method	Statement	UNKNOWN	Component	True	CONSISTENT	True	-	-
10	Document Information	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Balance Sheet Date
11	Entity Information	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Economic Entity Name
12	Finished Goods Subclassifications	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Finished Goods Subclassifications [Text Bl...	Finished Goods
13	Income Statement	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Income (Loss)
14	Inventories Roll Forward	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Inventories Roll Forward [Text Block]	Inventories
15	Inventories Subclassifications	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Inventories Subclassifications [Text Block]	Inventories
16	Liabilities and Equity Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Liabilities and Equity
17	Long-Term Debt Maturities	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Long-term Debt Maturities [Text Block]	Long-term Debt
18	Long-Term Debt Roll Forward	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Long-term Debt Roll Forward [Text Block]	Long-term Debt
19	Long-Term Debt Subclassifications	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Long-term Debt Subclassifications [Text Bl...	Long-term Debt
20	Nature of Entity	Unknown	Level1TextBlock	TextBlock	True	CONSISTENT	True	Nature of Business [Text Block]	NOT-EXPECTED
21	Net Cash Flow Roll Up	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Cash Flow
22	Property, Plant, and Equipment, Net Roll Forward	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Property, Plant, and Equipment Roll Forw...	Property, Plant and Equipment
23	Property, Plant, and Equipment, Net Subclassifica...	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Property, Plant, and Equipment Subclassif...	Property, Plant and Equipment
24	Receivables Roll Forward	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Receivables Roll Forward [Text Block]	Receivables
25	Receivables Subclassifications	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Receivables Subclassifications [Text Block]	Receivables
26	Retained Earnings Roll Forward	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Retained Earnings
27	Significant Accounting Policies	Unknown	Level1TextBlock	TextBlock	True	CONSISTENT	True	Significant Accounting Policies [Text Block]	NOT-EXPECTED
28	Statement of Changes in Equity	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Equity
29	Transactions Groupings	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Check Sum Changes
30	Trial Balance	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Check Sum

XASB: 54 structures; imaginary reporting scheme testing prototype.

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#	Disclosure	Category	Level	Pattern	Disco...	Disclosure ...	Ap...	Representation Concept [TEXT BL...	Representation Concept DETAIL
1	Assets [Roll Up]	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Assets
2	Balance Sheet	Statement	Level4Detail	Component	True	CONSISTENT	True	-	-
3	Basis of Reporting	Unknown	Level1TextBlock	TextBlock	True	CONSISTENT	True	Overall Financial Report Presentati...	NOT-EXPECTED
4	Buildings [Roll Forward]	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Property, Plant, and Equipment R...	Buildings, Net
5	Business Segments, Revenues [Roll Up]	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Business Segments, Revenues [Sc...	Revenues, Net
6	Cash and Cash Equivalents Components	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Cash and Cash Equivalents Compo...	Cash and Cash Equivalents
7	Cash Flow Statement, Direct Method	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Cash Flow, Net
8	Common Stock, By Class	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Common Stock by Class [Schedule]	Common Stock
9	Director Compensation	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Directors Compensation [Schedule]	Director Salary, Bonuses, and Fees
10	Director Compensation, Options Granted	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Directors Compensation Options G...	Director Options Granted, at Fair Value
11	Document Information	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Document Title
12	Earnings Per Share Summary	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Earnings (Loss) per Share
13	Entity Address	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Street 1
14	Entity Information	Unknown	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Economic Entity Name
15	Financial Highlights	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Financial Highlights [HTML]	Revenues, Net
16	Furniture and Fixtures [Roll Forward]	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Property, Plant, and Equipment R...	Furniture and Fixtures, Net
17	Income Statement	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Income (Loss)
18	Income Tax Expense (Benefit) Components	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Income Tax Expense (Benefit) Co...	Income Tax Expense (Benefit)
19	Inventory Components	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Inventory Components [Schedule]	Inventory
20	Investment	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Investments [Schedule]	Investments, at Cost
21	Land [Roll Forward]	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Property, Plant, and Equipment R...	Land
22	Leasehold, Land, and Building	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Leasehold Land and Buildings [Sch...	Leasehold Land and Building, Value at Cost
23	Liabilities and Equity [Roll Up]	Unknown	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Liabilities and Equity
24	Long-Term Debt Components	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Long-Term Debt Components [Sch...	Long-Term Debt
25	Long-Term Debt Current and Noncurrent Portions	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Long-Term Debt Current and Nonc...	Long-Term Debt
26	Long-Term Debt Instruments	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Long-Term Debt Instruments [Sch...	Debt Instrument, Description
27	Long-Term Debt Maturities	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Long-Term Debt Maturities [Sched...	Long-Term Debt
28	Nature of Operations	Unknown	Level1TextBlock	TextBlock	True	CONSISTENT	True	Nature of Business [HTML]	NOT-EXPECTED
29	Other Assets Current and Noncurrent Portions	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Other Assets, Current and Noncur...	Other Assets
30	Other Liabilities Current and Noncurrent Breakdown	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Other Liabilities Current and Nonc...	Other Liabilities
31	Other Property, Plant, and Equipment [Roll Forward]	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Property, Plant, and Equipment R...	Other Property, Plant, and Equipment, Net
32	Payables and Accruals Components	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Payables and Accruals Component...	Payables and Accruals
33	Preferred Stock Changes [Roll Forward]	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Preferred Stock
34	Preferred Stock, By Class	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Preferred Stock by Class [Schedule]	Preferred Stock
35	Prepaid Expenses	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Prepaid Expenses Components [Sc...	Prepaid Expenses
36	Property, Plant, and Equipment Components	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Property, Plant, and Equipment C...	Property, Plant and Equipment, Net
37	Property, Plant, and Equipment Estimated Useful Lives	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Property, Plant, and Equipment Es...	Property, Plant and Equipment, Estimated Use...
38	Property, Plant, and Equipment Roll Forward	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Property, Plant, and Equipment R...	Property, Plant and Equipment, Net
39	Receivables Details, By Component	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Receivables, by Component [Sche...	Receivables, Net, Current
40	Receivables Details, Current and Noncurrent	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Receivables, Current and Noncurr...	Receivables, Net
41	Receivables Details, Gross, Net	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Receivables, Net and Gross [Sche...	Receivables, Net
42	Reconciliation of Cash Summary	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Reconciliation of to Cash Flow Stat...	Cash and Cash Equivalents, per Cash Flow St...
43	Reconciling Item of Cash and Cash Equivalents	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Reconciliation of to Cash Flow Stat...	Reconciling Item, Amount
44	Related Party	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Related Parties [Schedule]	Related Party, Nature of Relationship
45	Related Party Transaction	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Related Party Transactions [Schedule]	Related Party Transaction, Amount
46	Sales Analysis, by Customer	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Sales Analysis by Customer [Sche...	Revenues, Net
47	Share Ownership Plan Stock Options Outstanding	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Share Options Outstanding Roll Fo...	Share Ownership Plan, Share Options Outstan...
48	Significant Accounting Policies	Unknown	Level1TextBlock	TextBlock	True	CONSISTENT	True	Significant Accounting Policies [Note]	NOT-EXPECTED
49	Statement of Changes in Equity	Unknown	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Equity
50	Statement of Changes in Equity, Common Stock by Cl...	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Common Stock Shares Outstandin...	Common Stock, Shares Outstanding
51	Statement of Changes in Equity, Preferred Stock by C...	Unknown	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Preferred Stock Shares Outstandi...	Preferred Stock, Shares Outstanding
52	Statement of Changes in Equity, Prior Period Adjustm...	Unknown	Level4Detail	Adjustment	True	CONSISTENT	True	NOT-EXPECTED	Retained Earnings (Accumulated Losses)
53	Subsequent Event	Unknown	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Subsequent Events [Schedule]	Subsequent Event, Description
54	Variance Analysis Gross Profit	Unknown	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Variance Analysis [Schedule]	Gross Profit (Loss)

Not-for-profit Reporting Scheme: 64 structures, proper type-subtype relations, fundamental accounting concept relations, etc.

Primary Information										
#	Disclosure	Category	Level	Pattern	Disclosure Found	Disclosure Consistent	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL	
1	Accounts Payable and Accrued Expenses Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Accounts Payable and Accrued Expenses Note [Text Block]	NOT-EXPECTED	
2	Accounts Payable and Accrued Expenses Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Accounts Payable and Accrued Expenses Policies [Text Block]	NOT-EXPECTED	
3	Accounts Payable and Accrued Expenses Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Accounts Payable and Accrued Expenses Subclassifications [Text Block]	Accounts Payable and Accrued Expenses	
4	Allowance for Doubtful Accounts Roll Forward	Disclosure	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Allowance for Doubtful Accounts Roll Forward [Text Block]	Allowance for Doubtful Accounts	
5	Assets Roll Up	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Assets	
6	Basis of Reporting	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Basis of Reporting Note [Text Block]	NOT-EXPECTED	
7	Cash and Cash Equivalents Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Cash and Cash Equivalents Note [Text Block]	NOT-EXPECTED	
8	Cash and Cash Equivalents Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Cash and Cash Equivalents Policies [Text Block]	NOT-EXPECTED	
9	Cash and Cash Equivalents Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Cash and Cash Equivalents Subclassifications [Text Block]	Cash and Cash Equivalents	
10	Cash and Cash Equivalents Summary Roll Forward	Statement	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Cash and Cash Equivalents	
11	Deferred Revenue Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Deferred Revenue Note [Text Block]	NOT-EXPECTED	
12	Deferred Revenue Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Deferred Revenue Policies [Text Block]	NOT-EXPECTED	
13	Deferred Revenue Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Deferred Revenue Subclassifications [Text Block]	Deferred Revenue	
14	Defined Benefit Plans Benefit Obligation	Disclosure	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Defined Benefit Plans Benefit Obligation [Text Block]	Defined Benefit Plans Benefit Obligation	
15	Defined Benefit Plans Fair Value of Plan Assets	Disclosure	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Defined Benefit Plans Fair Value of Plan Assets [Text Block]	Defined Benefit Plans Fair Value	
16	Defined Benefit Plans Funded Status	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Defined Benefit Plans Funded Status [Text Block]	Funded (Unfunded) Status of Defined Benefit Plans	
17	Document Information	Document	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Balance Sheet Date	
18	Entity Information	Document	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Economic Entity Name	
19	Inventories Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Inventories Note [Text Block]	NOT-EXPECTED	
20	Inventories Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Inventories Policies [Text Block]	NOT-EXPECTED	
21	Inventories Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Inventories Subclassifications [Text Block]	Inventories	
22	Investments Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Investments Note [Text Block]	NOT-EXPECTED	
23	Investments Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Investments Policies [Text Block]	NOT-EXPECTED	
24	Investments Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Investments Subclassifications [Text Block]	Investments	
25	Liabilities and Net Assets Roll Up	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Liabilities and Net Assets	
26	Long-Term Debt Maturities	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Long-term Debt Maturities [Text Block]	Long-term Debt	
27	Long-term Debt Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Long-term Debt Note [Text Block]	NOT-EXPECTED	
28	Long-term Debt Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Long-term Debt Policies [Text Block]	NOT-EXPECTED	
29	Long-Term Debt Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Long-term Debt Subclassifications [Text Block]	Long-term Debt	
30	Nature of Entity	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Nature of Organization Note [Text Block]	NOT-EXPECTED	
31	Net Assets Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Net Assets Note [Text Block]	NOT-EXPECTED	
32	Net Assets Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Net Assets Policies [Text Block]	NOT-EXPECTED	
33	Net Assets with Donor Restrictions Roll Forward	Disclosure	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Net Assets With Donor Restrictions Roll Forward [Text Block]	Net Assets With Donor Restrictions	
34	Net Cash Flow Roll Up	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Cash Flow	
35	Notes Payable Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Notes Payable Note [Text Block]	NOT-EXPECTED	
36	Notes Payable Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Notes Payable Policies [Text Block]	NOT-EXPECTED	
37	Notes Payable Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Notes Payable Subclassifications [Text Block]	Short-term Notes Payable	
38	Other Assets Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Other Assets Note [Text Block]	NOT-EXPECTED	
39	Other Assets Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Other Assets Policies [Text Block]	NOT-EXPECTED	
40	Other Assets Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Other Assets Subclassifications [Text Block]	Other Assets	
41	Other Liabilities Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Other Liabilities Note [Text Block]	NOT-EXPECTED	
42	Other Liabilities Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Other Liabilities Policies [Text Block]	NOT-EXPECTED	
43	Other Liabilities Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Other Liabilities Subclassifications [Text Block]	Other Liabilities	
44	Postemployment Benefits Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Postemployment Benefits Note [Text Block]	NOT-EXPECTED	
45	Postemployment Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Postemployment Benefits Policies [Text Block]	NOT-EXPECTED	
46	Prepaid Expenses Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Prepaid Expenses Note [Text Block]	NOT-EXPECTED	
47	Prepaid Expenses Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Prepaid Expenses Policies [Text Block]	NOT-EXPECTED	
48	Prepaid Expenses Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Prepaid Expenses Subclassifications [Text Block]	Prepaid Expenses	
49	Property, Plant, and Equipment Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Property, Plant and Equipment Note [Text Block]	NOT-EXPECTED	
50	Property, Plant, and Equipment Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Property, Plant, and Equipment Policies [Text Block]	NOT-EXPECTED	
51	Property, Plant, and Equipment, Net Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Property, Plant, and Equipment Subclassifications [Text Block]	Property, Plant and Equipment	
52	Receivables Note	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Receivables Note [Text Block]	NOT-EXPECTED	
53	Receivables Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Receivables Policies [Text Block]	NOT-EXPECTED	
54	Receivables Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Receivables Subclassifications [Text Block]	Receivables	
55	Revenue Recognition Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Revenue Recognition Policies [Text Block]	NOT-EXPECTED	
56	Significant Accounting Policies	Disclosure	Level1TextBlock	TextBlock	True	CONSISTENT	True	Significant Accounting Policies Note [Text Block]	NOT-EXPECTED	
57	Statement of Activities	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Change in Net Assets	
58	Statement of Activities, With Variance from Budget	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Change in Net Assets	
59	Statement of Cash Flows	Statement	Level4Detail	Component	True	CONSISTENT	True	-	-	
60	Statement of Changes in Net Assets	Statement	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Net Assets	
61	Statement of Financial Position, Classified	Statement	Level4Detail	Component	True	CONSISTENT	True	-	-	
62	Statement of Financial Position, Liquidity Basis	Statement	Level4Detail	Component	True	CONSISTENT	True	-	-	
63	Statement of Functional Expenses	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Expenses	
64	Use of Estimates Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Use of Estimates Policies [Text Block]	NOT-EXPECTED	

