1. Financial Report Semantic Object Properties

This section provides the properties of report elements. See the section on the logical model report elements for a summary overview.

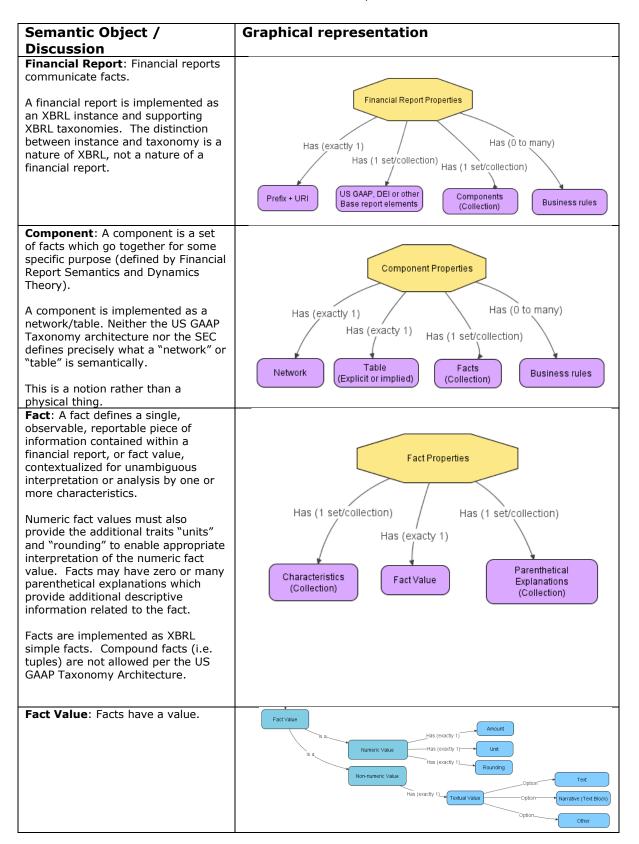
1.1. Reconciliation of financial report semantics terminology to XBRL Abstract Model 2.0 terminology:

Example	Financial Report Semantics and Dynamics Theory Object	XBRL Abstract Model 2.0
,		Object
Financial statement portion of a	Financial report - A financial statement plus	Document or Manifest
10-Q or 10-K; financial statement	supplementary financial information. Financial	
issued by a private entity	report can be broken down into components.	
See the examples from each	Financial report rudiments - One of the	Model Element
rudimentary or primitive piece	primitive building blocks or objects of a financial	
above	report: financial report, component,	
	characteristic, fact, parenthetical explanation,	
Delever destrois Seet	relation	Cata Cata Dania
Balance sheet, significant	Component – A portion of a financial report.	Cube, Cube Region
accounting policies, maturities of long-term debt	Made up of facts which go together for some specific purpose and the relations between facts	
iong-term debt	and relations between characteristics.	
Reporting entity with CIK number	Characteristic – Describes a fact. Made up of a	Aspect
1234567890; Legal entity of	characteristic and the value of that characteristic.	Aspect
"consolidated entity"; Period of	characteristic and the value of that characteristic.	
"2011-21-31"; Property, plant and		
equipment class of "Land"		
Assets = Liabilities + Equity;	Relation – The relation from one object of a	Relation
Beginning cash + net cash flows =	financial report to another object or objects.	
ending cash		
Value of 1000 for the concept	Fact – A single, observable, reported piece of	Data Point
"Cash and cash equivalents" for	information. Connection of characteristics, a	
the legal entity "consolidated	value, traits of the value if numeric, and	
entity" for the period ended	parenthetical information	
"December 31, 2010" expressed in US Dollars rounded to millions		
Parenthetical explanation on the	Parenthetical explanation – provide additional	Footnote
bottom of a page, a footnote to a	descriptive information about a fact.	Toothole
financial fact	accompand information about a facti	
Roll up, roll forward, hierarchy	Relation between concepts within the concept	Relation
, , ,	characteristic	
North America, United States,	Relations between values of a characteristic	Relation
Canada		
Balance sheet, then income	Relationship between components or the order or	Relation
statement, then statement of	sequence of components	
changes in equity,		
Units, rounding, balance type,	Property – Property or trait of an object.	Attribute
period type		

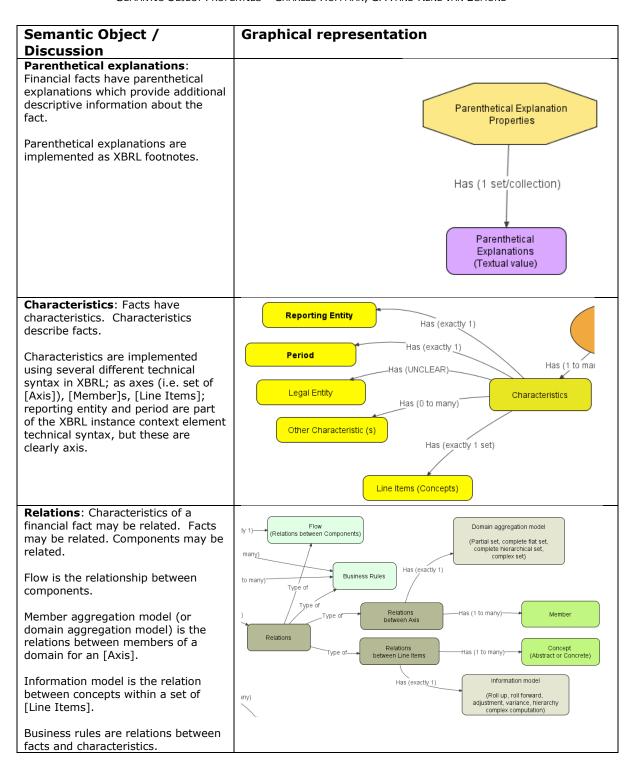
1.2. Semantic objects and their properties

This section provides a more complete detailed explanation of the semantic objects of a financial report, including an SEC XBRL financial filing, the relations of those semantic objects, and the properties of those objects and relations. For a complete diagram of these semantics see the PDF here.)

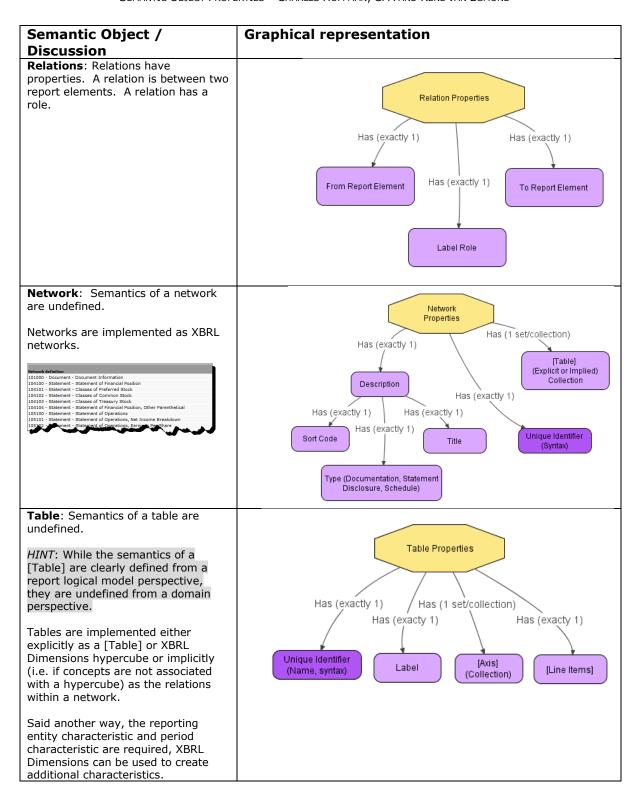
Semantic Object / **Graphical representation Discussion** Overview of semantic objects: These are the fundamental or Financial Report Set primitive building blocks of any financial report, no matter what the format (paper, HTML, PDF, Word, Has (1 to many) XBRL). A financial report set has 1 or Financial Report more financial reports. For example, when you compare the financial information of one reporting entity to Has (1 to many) the financial information of one or more other reporting entities; the Component financial report set is that complete set of financial reports being compared. Has (1 to many) Has (1 to many) A **financial report** communicates Relations A **component** is a set of facts which Fact goes together for some specific purpose. Has (0 to many) Has (1 to many) Has (exactly 1) A **fact** is a single, observable, reportable piece of information. Facts have characteristics, a value, Characteristics Fact ∀alue Parenthetical Explaination and they may have parenthetical explanations which further describe a fact. Characteristics describe facts. Facts and characteristics organized within a component can have relations.













Semantic Object / **Graphical representation Discussion** Axis: An [Axis] is used to articulate a characteristic. Axis Properties An [Axis] is abstract and therefore Has (exactly 1) can never contain a value. Therefore the data type, period type, and balance have no semantic meaning. Has (1 to many) SEC EFM requires specific values for Unique Identifier these attributes. (Name, syntax) Has (exactly 1) Has (1 to many) References There are multiple ways Standard Label characteristics are implemented: as an [Axis], as a context entity Documentation identifier, and as a context period. Member: A [Member] is a possible value of an [Axis]; together they are Member Properties used to articulate a characteristic. Has (exactly 1) A [Member] is abstract and therefore can never contain a value. Therefore the data type, period type, and Has (1 to many) balance have no semantic meaning. Unique Identifier SEC EFM requires specific values for (Name, syntax) Has (exactly 1) Has (1 to many) these attributes. References Standard Label Documentation **Concepts**: Concepts describe facts in such a way that they can contain Concept Properties Has (exactly 1)values. As such, concepts therefore have a data type, period type, Has (exactly 1) Has (exactly 1) balance type are important. Period Has (exactly 1) Has (0 to 1) Туре Unique Identifier (Name, syntax) Concepts are implemented as (a) Balance Has (0 to many) XBRL Dimensions primary items if Has (0 to 1 set/collection) they participate in a hypercube or if Label (Is also part of the label collection) they do not participate in a Has (1 set/collection) hypercube (b) XBRL concepts. Reference (Collection) HINT: It is recommended that all Documentation concepts be implemented as XBRL Dimensions primary items, mixing Label the two can cause problems. (Collection)

