Member Nonaggregation Logic

The following is a summary of logic related to a member nonaggregation[1]. A member aggregation relates to the existence of a general dimension and how the members within that dimension are organized and characterized. A member aggregation can be used to distinguish facts within a concept arrangement pattern of Set, Roll Up, Roll Forward, Arithmetic.

Examples

XBRL Cloud: http://xbrlsite.com/seattlemethod/golden/xasb/reference-implementation/evidence-package/contents/index.html#Rendering-SubsequentEventsSchedule-xasb_SubsequentEventTable.html
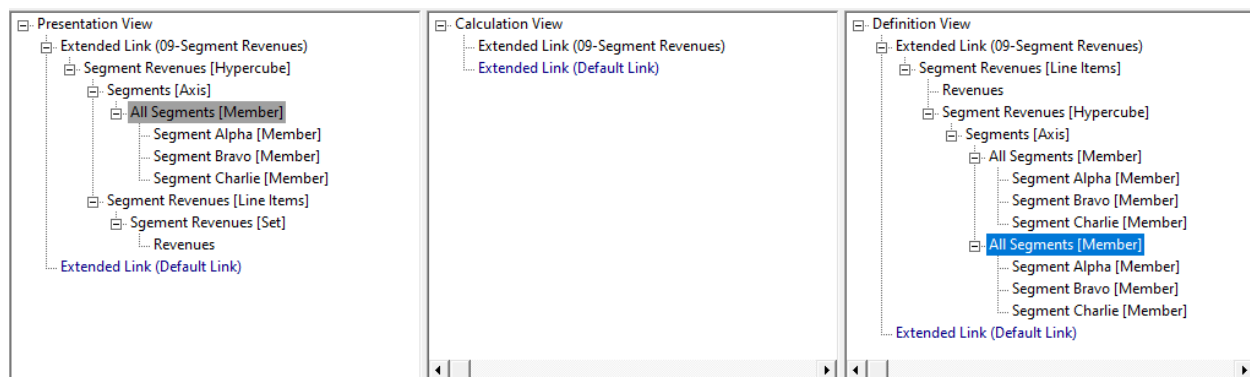
Luca Suite: https://luca.pacioli.ai/luca/view/0f24fd35e961e167a727b663c75a4c5ec9fb7eb86730d6292f46e6e180fc2018_rIA0ZLbfs5I/index

Test case: http://xbrlsite.com/seattlemethod/platinum-testcases/26-TestCase-member-nonaggregation.xml

Pesseract:

The following is an example of a modeling of a roll up logical pattern using XBRL:

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[1] Member nonaggregation, http://www.xbrlsite.com/seattlemethod/platinum-testcases/member-nonaggregation/

Brief Description

A **member nonaggregation** member arrangement pattern distinguishes facts using a dimension and the facts however there is no sum to a total or aggregation. For example, below you see that the fact or line item "Revenues" is broken down by segment and the information for each fact is distinguished using the Segments [Axis] (a.k.a. dimension), a member for each segment. No total for all segments is provided.

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

A member nonaggregation in the case above is used to distinguish the concepts of a [Set]. A member nonaggregation can just as well be used to distinguish [Line Items] which are a Roll Up, Roll Forward, Arithmetic, etc.

Axioms

1. A member nonaggregation is information that helps characterize is a type of information block object.
2. A member nonaggregation always has a minimum of one Dimension and some set of members.
3. A member nonaggregation relates to the members of a dimension which must be distinguished from one another, however there is no aggregation.
4. The [Line Items] of a member nonaggregation could be a [Roll Up], a [Set], a [Roll Forward].
5. A member nonaggregation is modeled using XBRL:
    a. Presentation relations show an [Abstract] element within the [Line Items] which organizes the concepts into one of the known logical patterns. (i.e. Set, Roll Up, Roll Forward)
    b. Calculation relations always exist, by definition, if the [Line Items] concept arrangement pattern logic is a Roll Up.
    c. Definition relations always exist as XBRL dimensions is used to represent the members of the member aggregation.
6. The root member and dimension default as defined in the XBRL relations is always the total member, all other members are summed and must agree to that total.

Subsequent events which never aggregate: (nonaggregation of a set)

http://xbrlsite.com/seattlemethod/golden/xasb/reference-implementation/evidence-package/contents/index.html#Rendering-SubsequentEventsSchedule-xasb_SubsequentEventTable.html

Component: (Network and Table)	
Network	OA: Schedule: Subsequent Events, by Event Category (http://www.ABCCompany.com/company/role/level4/SubsequentEventsSchedule)
Table	Subsequent Event [Table]

Slicers (applies to each fact value in each table cell)

Reporting Entity [Axis]	10810137d58f76b84aaa (http://standards.iso.org/iso/17442)
Legal Entity [Axis]	Consolidated Entity [Member]
Report Date [Axis]	Reported as of March 18, 2021 [Member]
Reporting Scenario [Axis]	Actual [Member]

	Period [Axis]	
	2020-01-01 - 2020-12-31	
	Subsequent Event, Category [Axis]	
Subsequent Event [Line Items]	Subsequent Event Relating to Loss of Uncollectable Receivable [Member]	Subsequent Event Relating to Purchase of Business [Member]
Subsequent Event [Hierarchy]		
Subsequent Event, Description	Description of subsequent event number 1 which relates to the loss of an uncollectable receivable. Aliquam viverra risus vitae ante. Sed rhoncus mi in wisi. Nullam nibh dui, molestie vitae, imperdiet non, ornare at, elit. Aenean nec justo. Aliquam viverra risus vitae ante. Sed rhoncus mi in wisi. Nullam nibh dui, molestie vitae, imperdiet non, ornare at, elit. Aenean nec justo.	Description of subsequent event number 2 which relates to the purchase of a business. Etiam viverra neque non sem. Nullam lacinia sem. Duis sapien diam, dapibus sed, dictum quis, interdum ac, erat. Suspendisse urna. Proin non mauris. Proin sed odio. Phasellus sagittis orci quis orci. Aliquam erat volutpat. Mauris commodo ultrices elit. Sed id orci. In ultrices urna volutpat wisi.
Subsequent Event, Date	2011-01-15	2011-01-20