1. Comprehensive Example

The purpose of this section is to take 100% of the concept arrangement patterns which we have created individually and represent them together within a much larger report that helps the reader understand the interaction between the different fact sets.

The comprehensive example[1] takes the complete set of business use cases, puts them all into one XBRL taxonomy and XBRL instance "system", and tests how one part of an XBRL taxonomy and XBRL instance interrelates with other parts in one comprehensive digital financial report. This enables an XBRL instance and taxonomy to be evaluated holistically, being sure all the moving pieces interact correctly with one another. This example also shows this interaction.

Further, the comprehensive example is also a reference implementation of the XASB Profile. The XASB Profile is an application profile that can be used to represent XBRL-based financial reports and other business reports.

Don't be deceived by its apparent simplicity of this example. It would be rare for a real XBRL instance to contain all that this example contains. While it might not look like a real financial report, the example looks enough like a real financial report to help grasp the true issues of expressing information using XBRL but small enough not to be overwhelming.

This example does have the simple and complex issues you would run up against while modeling a real financial report. This is a marvelous learning tool. It is an extremely useful testing tool. It is a valuable prototype to show how to get XBRL to do the things which you will find that you need XBRL to do within your system.

1.1. Overview of comprehensive example

The comprehensive example can be found at the following URL:

http://xbrlsite.azurewebsites.net/2016/conceptual-model/reporting-scheme/xasb/taxonomy/Index.html

At that URL you will see an index page which is similar to the index pages of the metapatterns and business use cases and looks as follows:

[1] Comprehensive example and XASB reference implementation, http://xbrlsite.azurewebsites.net/2016/conceptual-model/reporting-scheme/xasb/taxonomy/Index.html

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication

XASB Profile, Comprehensive Example and Reference Implementation (2017-05-07)

#	Item	Description
A.	Business use case name	**XASB Profile, Comprehensive Example and Reference Implementation**
B.	Description	The XASB Profile, Comprehensive Example and Reference Implementation takes the complete set of business use cases, puts them all into one XBRL taxonomy and XBRL instance, and shows how one part of an XBRL taxonomy and XBRL instance interrelates with other parts in one comprehensive digital financial report.
E.	XBRL taxonomy	XSD (Company) | XASB (GAAP)
F.	XBRL instance	XBRL instance
G.	XBRL formulas	XBRL Formulas (Company) | XBRL Formulas (GAAP domain level and Industry/activity level) | Fundamental Accounting Concepts Consistency Checks
H.	Human Readable Rendering	XBRL Cloud Evidence Package (Thank you to XBRL Cloud)
I.	XBRL formulas validation results	XBRL Formula Validation Results
J.	Validation Results	Reporting Checklist Results | Disclosure Mechanics Results | Model Structure Results | Fundamental Accounting Concept Cross-Check Results
K.	RDF	RDF

This work is licensed under a Creative Commons License.

A good place to start is by reading through the visual example of what is contained in this financial report, item "D" the visual example file which is provided in a PDF format.

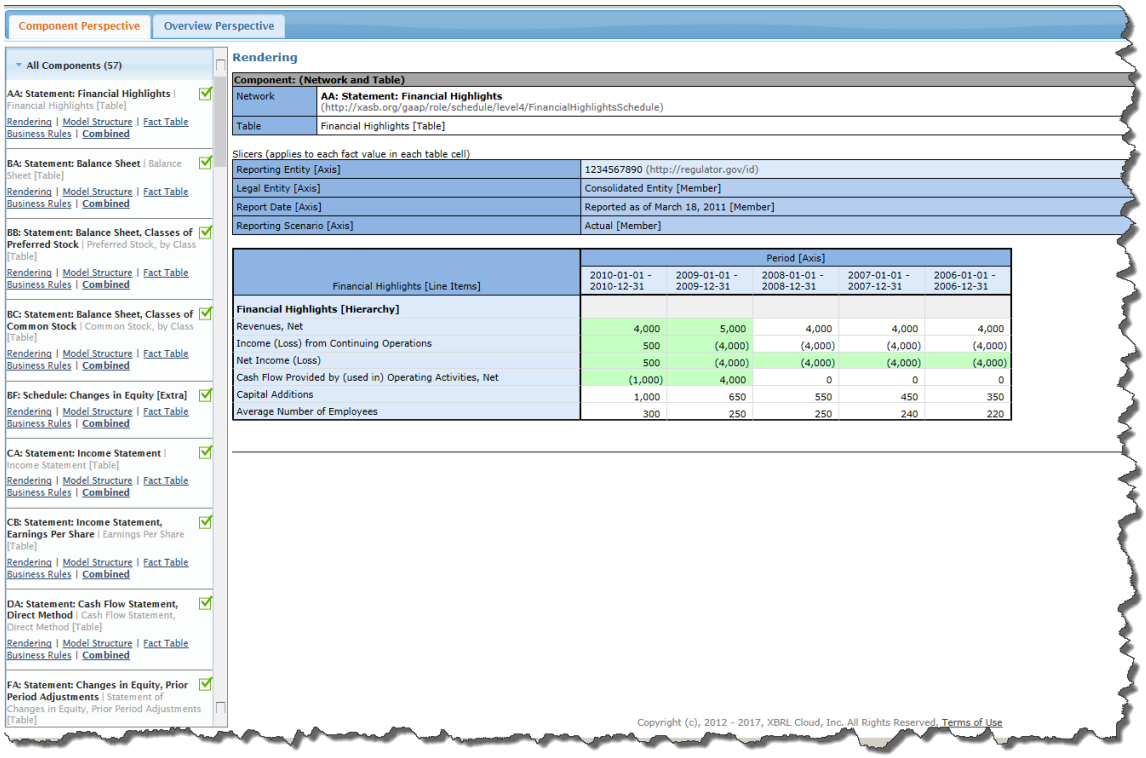
One thing which the comprehensive example does not get into is taxonomy modularity. Taxonomy modularity architecture decisions need different inputs than provided by this example.

1.2. Details of each network

The best way to view what is included in the comprehensive example and XASB profile reference implementation is to use the human readable renderings of the report[2]:

[2] Human Readable Rendering of Comprehensive Example, http://xbrlsite.azurewebsites.net/2016/conceptual-model/reporting-scheme/xasb/taxonomy/evidence-package/contents/index.html

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication



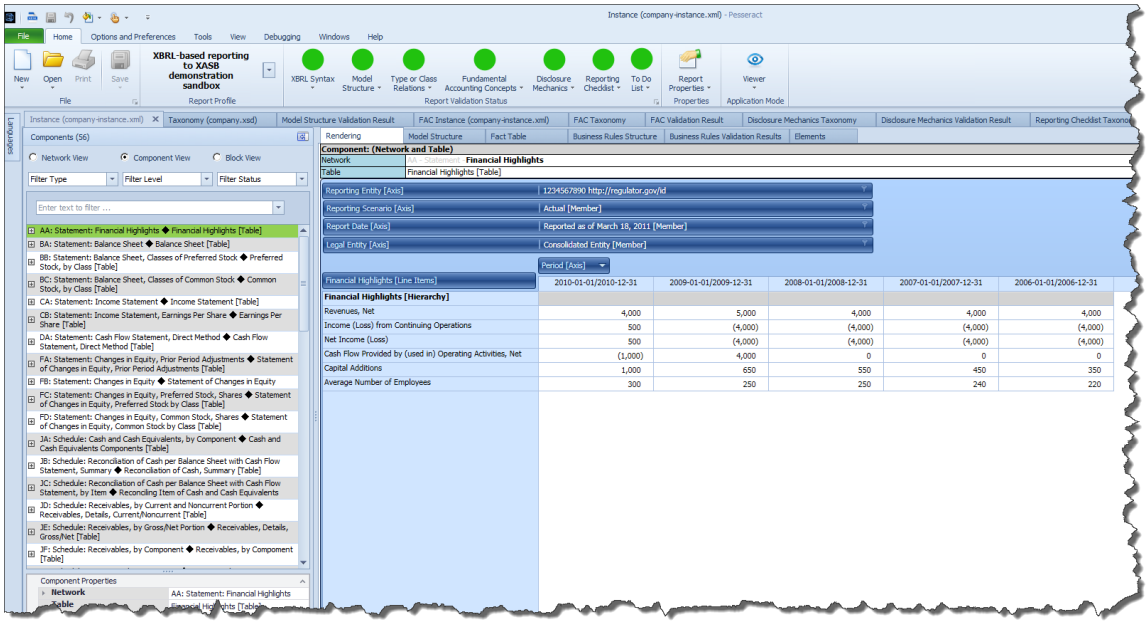
1.3. XASB Profile

To understand more about the capabilities of the XASB Profile, please see the document *Blueprint for Creating Zero Defect Digital Financial Reports*[3]. The XASB Profile reference implementation (i.e. the comprehensive example) verifies that all logical, mechanical, and mathematical relations in the report are consistent with expectations.

Note the validation results shows in the screen shot below (the green circles which indicate that all relations are as expected).

[3] *Blueprint for Creating Zero Defect Digital Financial Reports*, http://xbrlsite.azurewebsites.net/2017/Library/BlueprintForZeroDefectDigitalFinancialReports.pdf

CC0 1.0 Universal (CC0 1.0)
Public Domain Dedication
CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/



CC0 1.0 Universal (CC0 1.0)
Public Domain Dedication
CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/