Newcomer’s Session
Welcome to XBRL

Anthony “Tony” Fragnito, CEO, XII
Eric E. Cohen, Co-founder, XBRL
Yokohama 6-Nov-2012

XBRL XXV

HOSTED BY XBRL JAPAN

TO THE NEXT LEVEL OF BUSINESS REPORTING. AND BEYOND.

Welcome to XII and the XII 24th Conference in the UAE!

- Agenda for the Newcomer's Session
  - Greeting from XBRL International CEO, Tony Fragnito
  - What XII is and its history, who is working to further XII's mission, and where you will find participants and adoption - around the world
  - The terminology of XBRL: what words and phrases will you be hearing all week; Specification and Best Practices documents
  - How you can make the most of the conference, participate and gain additional value from taking an active role in moving forward the vision and tactics of XII

Welcome from XII CEO, Tony Fragnito

Introduction and Disclaimer

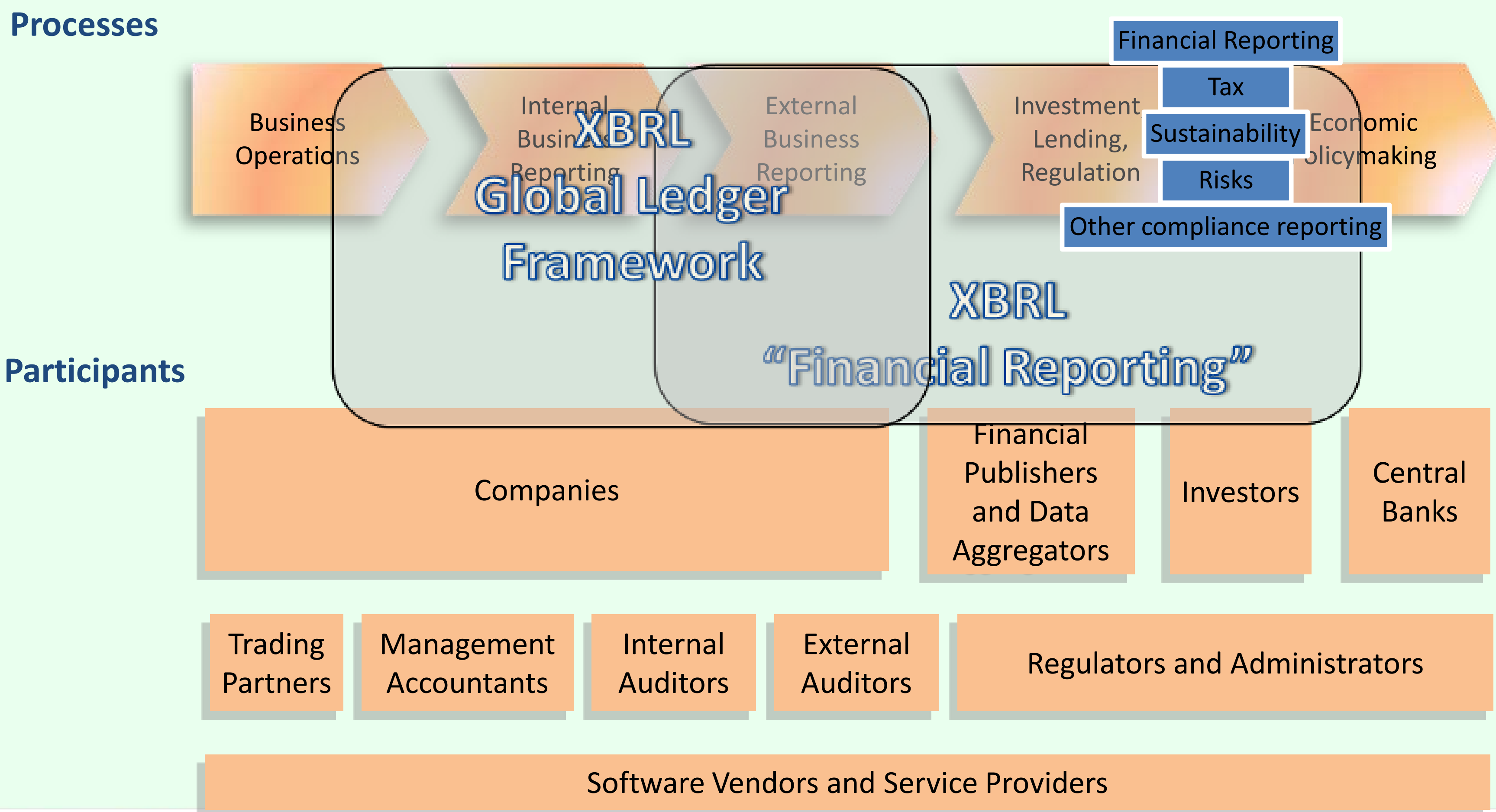
Who I am

What I am about to share does not necessarily reflect the opinions of …

XII

- The Business Reporting Supply Chain
- The History of Our Language
  - From XFRML to XBRL
- XII organizationally
  - Leadership
  - Working Groups

Business Reporting Supply Chain



LEADERSHIP: Chairs of the International Steering Committee and later the Board of Directors.

Mike Willis

Louis Matherne

Arlene Thomas

Walter Hamscher

Kurt Ramin

Michael Ohata

XBRL International Staff

Ashu Bhatnagar

Tony Fragnito

Cheryl Neal

Angela Rose

Dave Nitchman

Working Groups

Standards Board

- Base Specification and Maintenance
- GL
- Formula
- Rendering
- Versioning
- Comparability TF
- Abstract Modeling Task Force
- API Task Force

Best Practices Board

- Project Listing Database Task Force
- Taxonomy Architecture WG
- Taxonomy Recognition Task Force

Other Areas

- Assurance Committee
- International Conference Committee
- Membership Development Committee

Terminology of XBRL

Do You Speak XBRL? The Global Language for Business Reporting

- Taler du XBRL?
- Spreekt u XBRL?
- Parlez-vous XBRL?
- Sprechen Sie XBRL?
- Parla XBRL?
- XBRL Hol Dajatlh'e'?
- Czy mówi Pan po XBRL?
- Вы говорите по-XBRL?
- ¿Habla usted XBRL?
-
- XBRL 本語を話しますか

هل تتكلم اللغة XBRL؟

Why Do We Need Standardized Syntax for Business Reporting?

- Format, syntax, semantics
- Written instructions: “Give 5,000 dollars to the person to your right on 10-11-12.”

- Alvin, a US-based banker
- Charlie, a Canadian banker
- Arnie, an Australian banker
- Sam, a banker in Sweden
- Freddie, a banker in Fiji

CSV?

Enter XML:
Technical Agreement on Information Descriptions

- XML Recommendations
  - XML
  - XML Namespaces
  - XML Schema
  - XLink

0	5
1	6
2	7
3	8
4	9

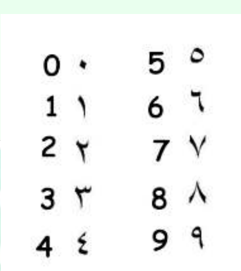
Dates: 10/11/12
Numbers: 5.000
Facts in a CSV file: 400,200

Why We Need an XML-Based Standard

Attributes of "standard" formats	XML	HTML	ASCII Fixed	CSV	Excel	DBF	EDI
Variable length fields	Yes	Yes	No	Yes	Yes	Yes	No
No field size limitations	Yes	Yes	Yes	Yes	No	No	Yes
Extensible	Yes	*	No	No	*	*	No
Includes context or field names ("rip and read")	Yes	No	No	No	Yes	Yes	No
Cross-platform, non-proprietary, "universal"	Yes	Yes	Yes	Yes	No	No	Yes
Validation of files	Yes	No	No	No	*	*	No
Groups collaborating on definition and interoperability	Yes	No	No	No	No	No	Yes
Selective digital signatures	Yes	*	No	No	No	No	No
Selective encryption	Yes	*	No	No	No	No	No
Standard Office import/export	Yes	Yes	Yes	Yes	Yes	Yes	No
Not verbose, smaller file sizes	*	*	*	*	*	*	*

"12-12-12" … oops
"06-07-08"
June 7, 2008
6 July 2008
July 8, 2006

5.000
Five?
Five thousand?



XML

- Syntax agreement
  - Key digital representation (unlike CSV)
  - Numeric formats (like digits, decimals)
  - Date formats and codes for languages (ISO)
- But not full agreement to everything
  - Semantics

XML + Agreed Upon Dictionaries = Communication

- Gianluca Garbellotto
- 1313 Mockingbird Lane
- Mockingbird Heights, VA 22182
- 1 703 629 3487
- Birthdate: ##/##/##

Just plain, ordinary information

Metadata

- <chair_info>

<name>Gianluca Garbellotto</name>

<address>

<street>Mockingbird Lane</street>

<house_number>1313</house_number>

<city>MHieghts</city> <state>VA</state>

<postal_code>22182</postal_code>

<country>USA</country>

</address>

<telephone><area_code>703</area_code>

<number>6293487</number> <country>1</country>

</telephone>

<birthdate>1971-07-05</birthdate>

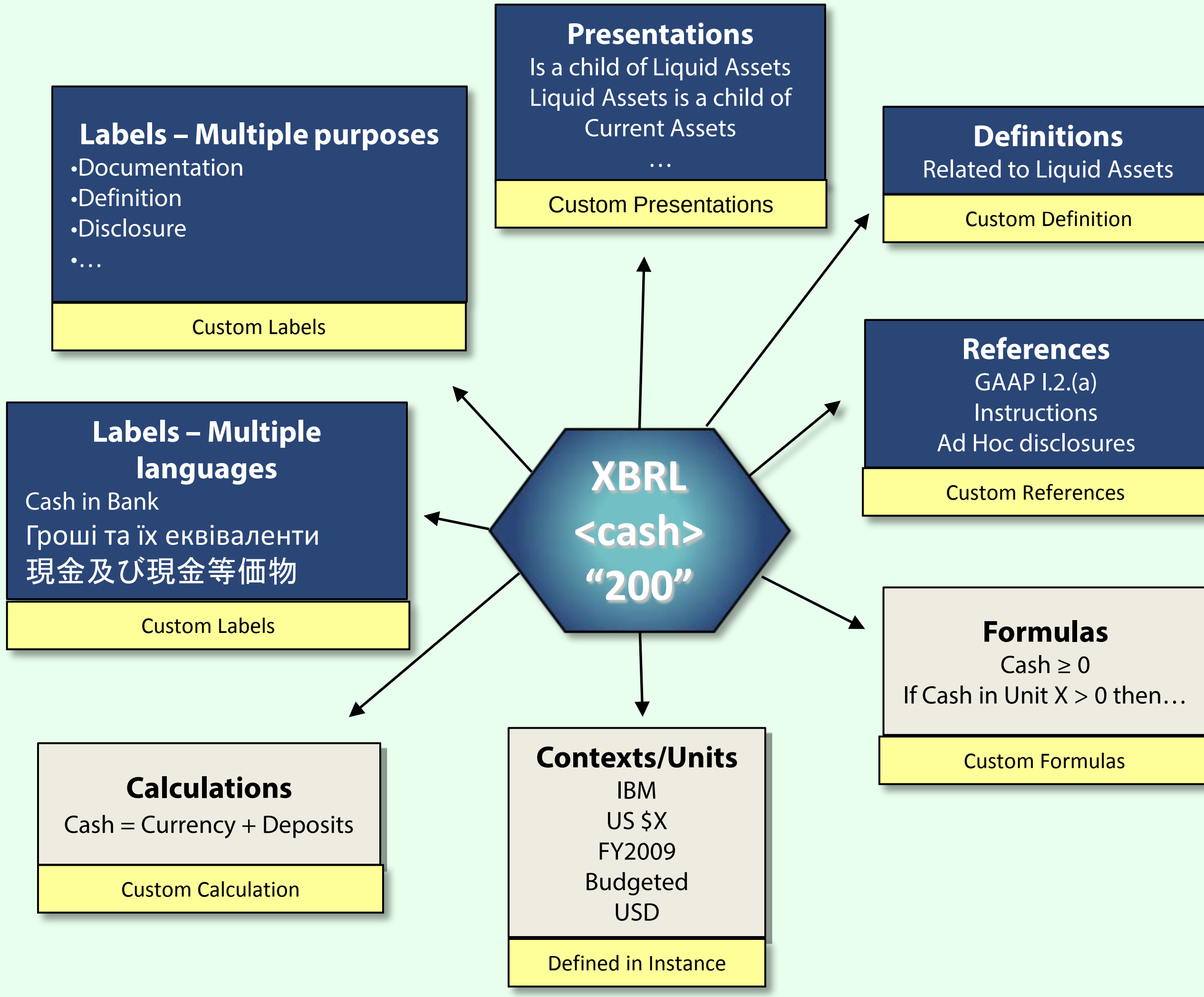
</chair_info>

ISO 8601

Metadata: information about information

XBRL – More Than Just Tagging Business Information

- Multi-dimensional business and financial data representations
- Flexibility of business reporting vocabularies (i.e. taxonomies)
- Mathematical relationships between concepts
- Flexibility about how to present information to users



Key: Data Standardization | Data Validation | Custom Taxonomy

Key Pieces to the XBRL Puzzle

XBRL <u>Taxonomy</u>

XBRL <u>Instance Document</u>

Defined in the XBRL Specification 1.0

Taxonomy

- Defines the business reporting concepts to be reported

Current assets:
Cash and cash equivalents . . . .
Short-term investments . . . .
Trade receivables, net of allowances for doubtful accounts of $5,376 and $6,191, respectively . . . .
Other receivables . . . .
Deferred income taxes . . . .
Prepaid expenses and other assets . . . .
Total current assets . . . .

- Provides a vocabulary of agreed-upon business concepts
- A set of attributes for each business reporting fact
- Created using the XBRL Specification and modular extensions
- Taxonomy concepts can be added or prohibited – extended, depending on local regulation and implementation.

```
<xsd:element id="ifrs_DescriptionOfDetailsOfDefaultsDuringPeriodOfPrincipalInterestSinkingFundOrRedemptionTermsOfLoansPayable"
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type="xbrli:stringItemType" xbrli:periodType="duration"/>
		<xsd:element id="ifrs_DescriptionOfDifficultiesStructuredEntityEx
name="DescriptionOfDifficultiesStructuredEntityExperiencedInFinancingItsAc                                     type="xbrli:stringItemType"
xbrli:periodType="duration"/>
		<xsd:element id="ifrs_DescriptionOfDiscountRatesA                                     pliedToCashFlowProjections"
nillable="true" substitutionGroup="xbrli:item" type="num:percentIt
		<xsd:element id="ifrs_DescriptionOfDiscountRa
name="DescriptionOfDiscountRatesUsedInCurrentEstimateOfVa                                     Type"
xbrli:periodType="instant"/>
		<xsd:element id="ifrs_DescriptionOfDiscount
name="DescriptionOfDiscountRatesUsedInPreviousEstimateOfV                                     Type"
xbrli:periodType="instant"/>
		<xsd:element id="ifrs_DescriptionOfEffectOfCha
name="DescriptionOfEffectOfChangingBusinessModelForManaging                                     xbrli:item"
type="xbrli:stringItemType" xbrli:periodType="duration"/>
		<xsd:element id="ifrs_DescriptionOfEffectOfRegul                                     neworkOnPlan" nillable="true"
substitutionGroup="xbrli:item" type="xbrli:stringItemType" xbrli:
		<xsd:element id="ifrs_DescriptionOfEffective
name="DescriptionOfEffectiveInterestRateDeterminedOnDa            ication" nillable=                   rli:item" type="num:percentItemType"
xbrli:periodType="instant"/>
		<xsd:element id="ifrs_DescriptionOfE    OfReportingPeriodOfFinancialStatementsOfAssociates"
name="DescriptionOfEndOfReportingPeriodOfFinancialStatementsOfAssociates" nillable="true" substitutionGroup="xbrli:item" type="xbrli:dateItemType"
xbrli:periodType="instant"/>
		<xsd:element id="ifrs_DescriptionOfEstimateOfRangeOfOutcomesFromContingentConsiderationArrangementsAndIndemnificationAssets"
name="DescriptionOfEstimateOfRangeOfOutcomesFromContingentConsiderationArrangementsAndIndemnificationAssets" nillable="true" substitutionGroup="xbrli:item"
type="xbrli:stringItemType" xbrli:periodType="duration"/>
		<xsd:element
id="ifrs_DescriptionOfEventOrChangeInCircumstancesThatCausedRecognitionOfDeferredTaxBenefitsAcquiredInBusinessCombinationAfterAcquisitionDate"
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substitutionGroup="xbrli:item" type="xbrli:stringItemType" xbrli:periodType="duration"/>
		<xsd:element id="ifrs_DescriptionOfExistenceOfRestrictionsOnTitlePropertyPlantAndEquipment"
name="DescriptionOfExistenceOfRestrictionsOnTitlePropertyPlantAndEquipment" nillable="true" substitutionGroup="xbrli:item" type="xbrli:stringItemType"
xbrli:periodType="duration"/>
```


As a preparer or analyst you don’t need to view or read these files.

What Goes Into a Taxonomy?

L

- Stuff for humans
  - Labels (role, language)
  - Definitions
  - Authoritative references
  - Instructions for machines on a default hierarchy for presentation
  - Enumerations

2.0
a

R

P

C

- Stuff for machines/validation
  - Element name (unique)
  - ID (unique)
  - Data types 5.1.1.3
  - Substitution groups
  - Abstract
  - Instructions for how concepts relate with addition and subtraction
  - Nillable
  - Instructions for how items relate to each other abstractly and **DIMENSIONALITY**
  - Formulas/Rules
  - Balance 5.1.1.2
  - periodType 5.1.1

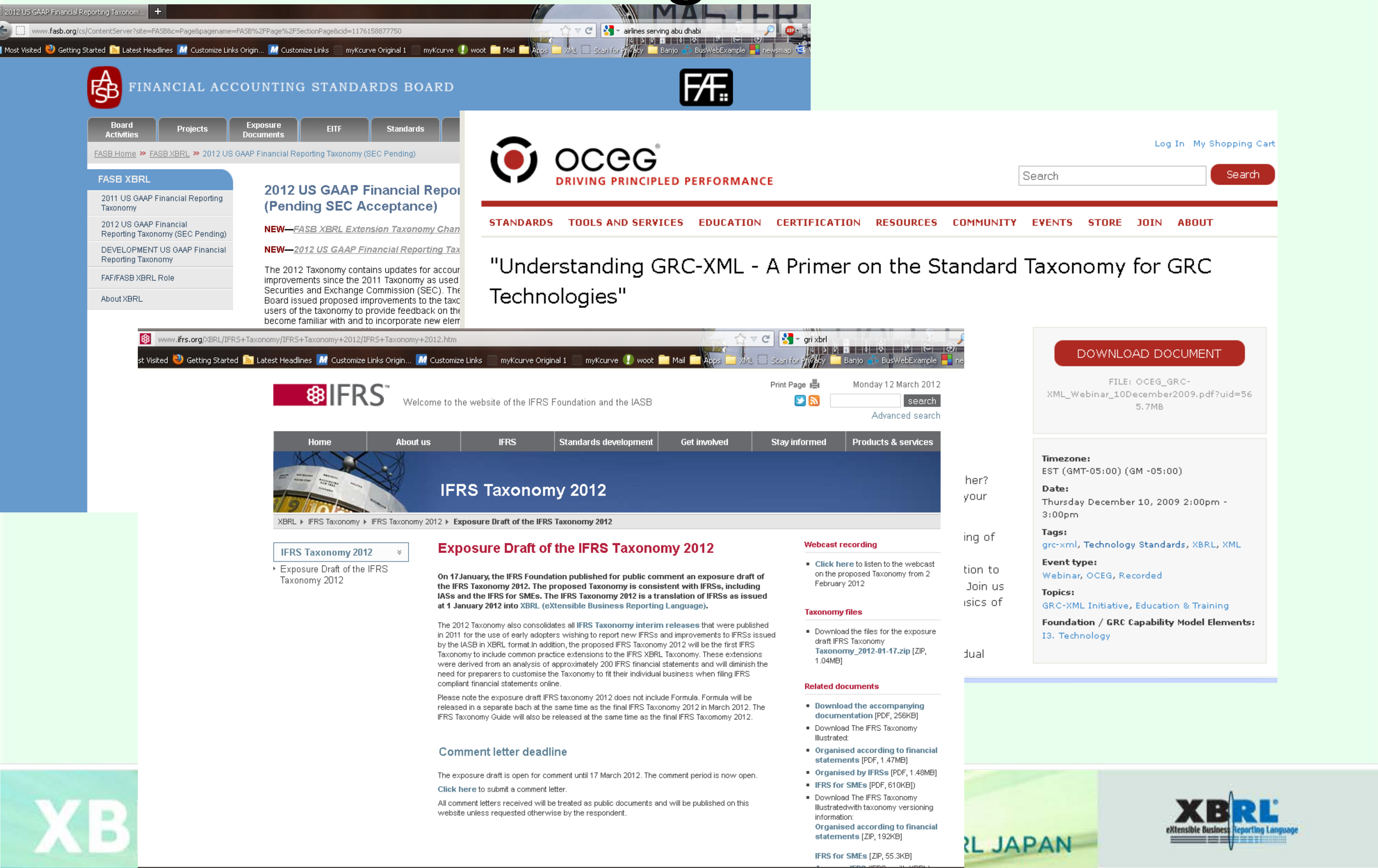
D

F

Taxonomies

- Financial reporting
  - US GAAP, IFRS, Canadian, Japanese, German
- Statutory filings
  - US FDIC/FFIEC, Eurofiling Basel II, Solvency II
- Tax filings
  - HMRC and …
- Pan-governmental reporting
  - SBR: Netherlands, Australia
- Internal integration and reporting
  - XBRL's Global Ledger Framework
- Sustainability
  - GRI G3 and G3.1

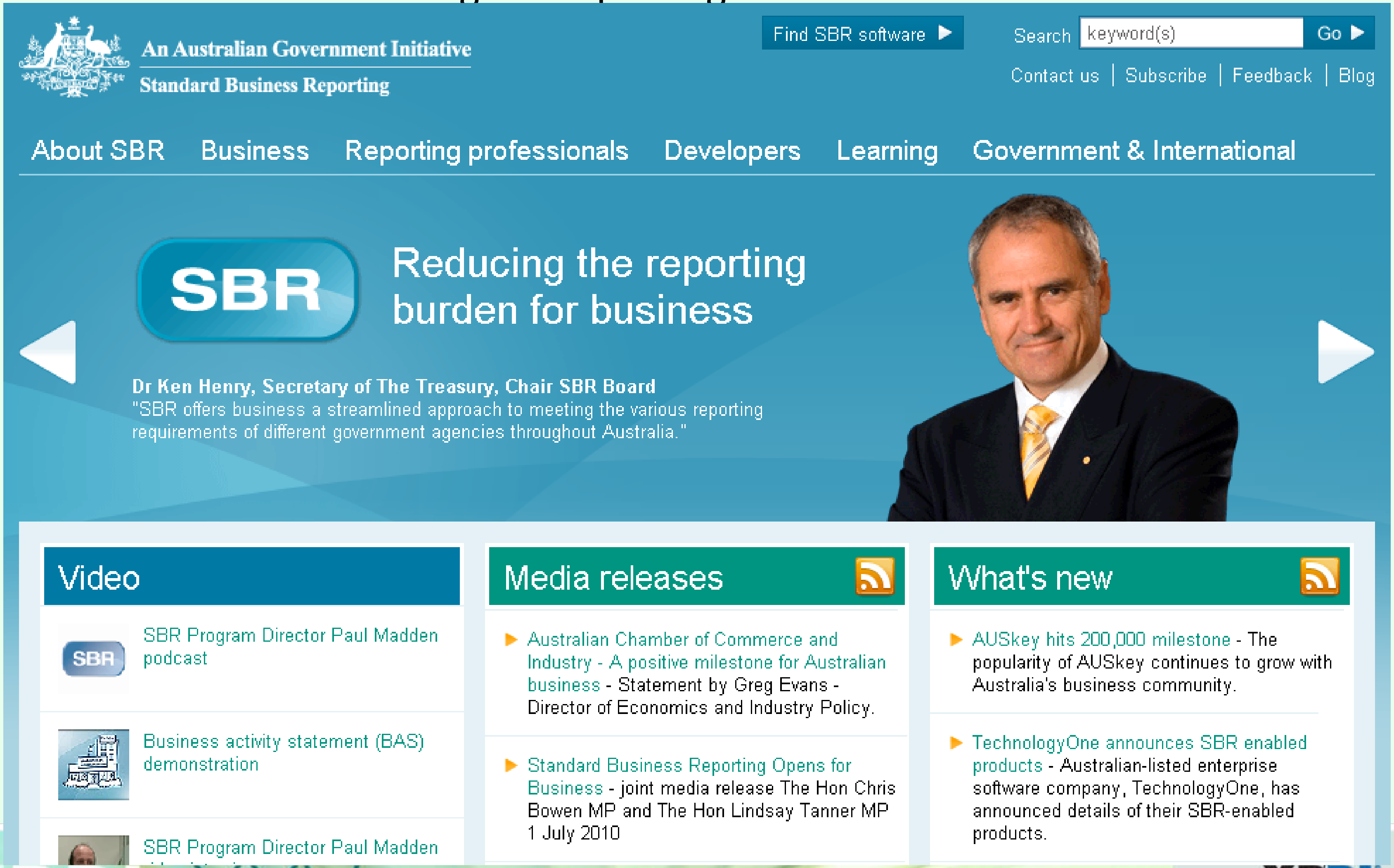
Global Agreement



Important Connections

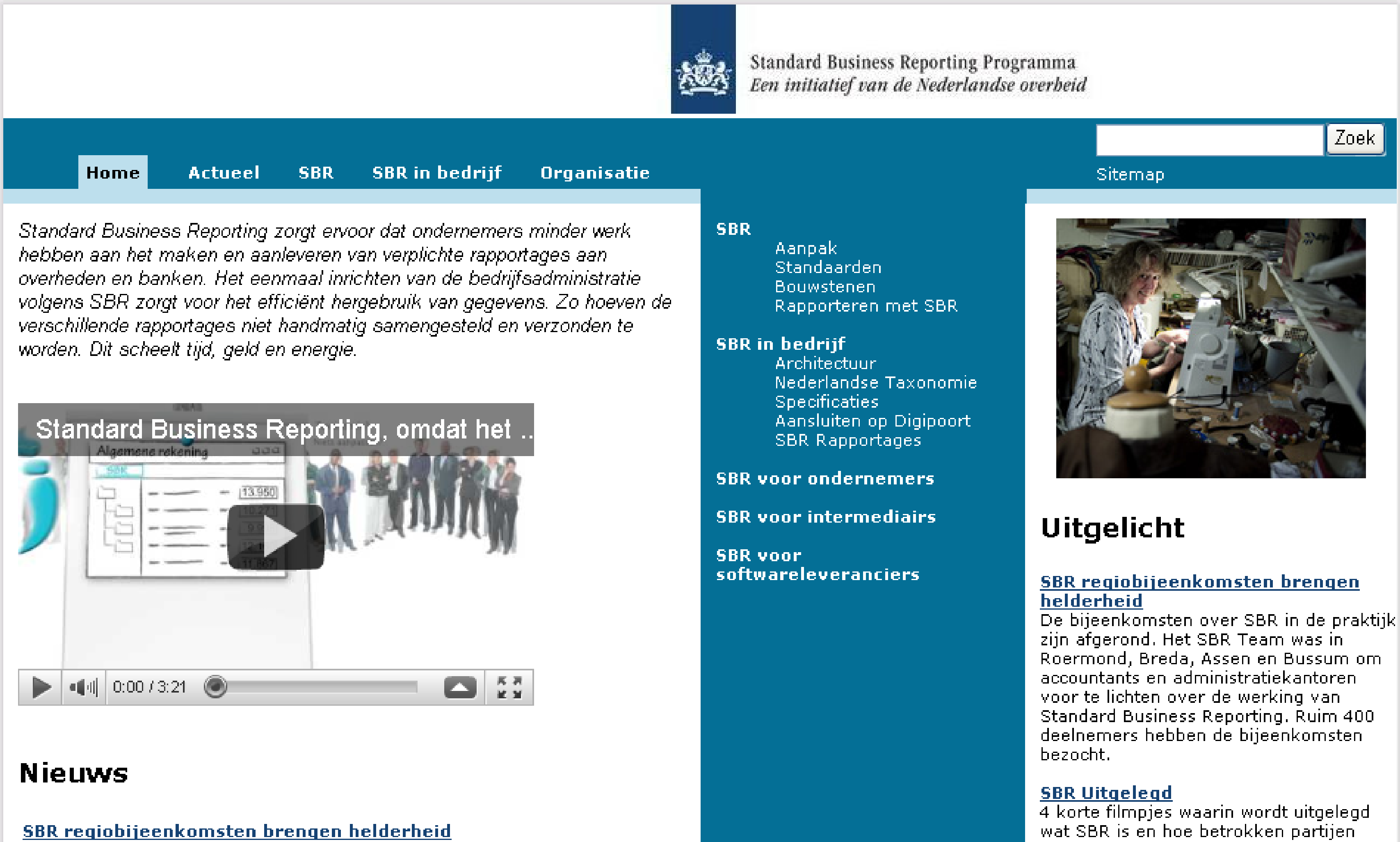
SBR in Australia

Reducing the reporting burden for business



SBR in the Netherlands

Reducing Reporting Burden

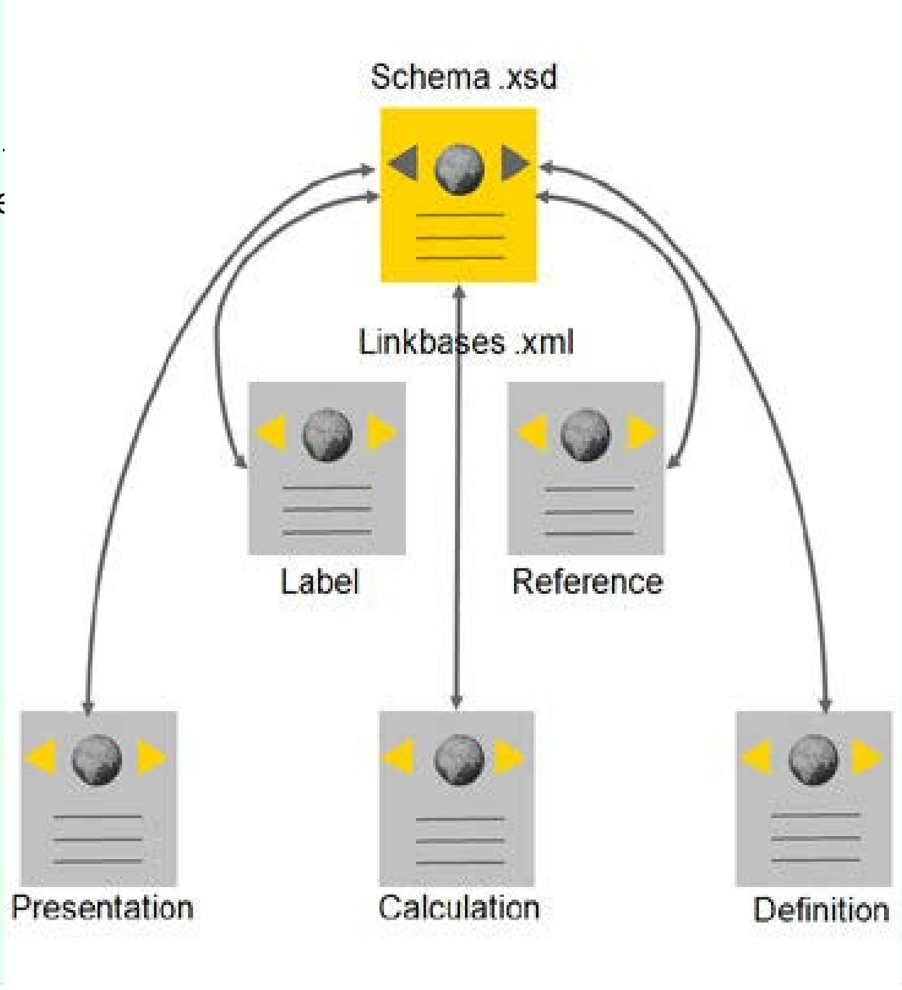


XBRL Basics – Taxonomy

Schema
The XBRL taxonomy schema file defines the actual concepts (elements) that form the basis of a taxonomy. It stores the name, data type, period type, how they can be utilized, etc.

Linkbases
An XBRL linkbase file contains the explicit relationship definitions between the concepts defined in the XBRL schema.

1) The **label** linkbase allows the user to associate various labels with different roles and languages to a given concept.
2) The **reference** linkbase allows the user to associate external information (authoritative sources) to concepts.
3) The **presentation** linkbase defines how concepts are nested and ordered.
4) The **calculation** linkbase defines how concepts sum up from one to another.
5) The **definition** linkbase allows for additional semantics and relationships (dimensions)



XBRL Instance Document

- Contains business data

ADOBE SYSTEMS INCORPORATED

CONSOLIDATED BALANCE SHEETS

(In thousands, except per share data)

	December 2, 2005	December 3, 2004
ASSETS		
Current assets:		
Cash and cash equivalents	$ 420,818	$ 259,061
Short-term investments	1,280,016	1,054,160
Trade receivables, net of allowances for doubtful accounts of $5,376 and $6,191, respectively	173,245	141,945
Other receivables	31,504	25,495
Deferred income taxes	58,710	51,751
Prepaid expenses and other assets	44,285	18,617
Total current assets	2,008,578	1,551,029

- Constrained by the taxonomy (or taxonomies)
- Provides contextual info. – Units of measure, Entity, Period and more
- Subject to technical and data validation

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<us-gaap:Land unitRef="usd" contextRef="c1_AsOf31Dec2010" decimals="0">5139018</us-gaap:Land>
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<us-gaap:BuildingsAndImprovementsGross uni ... als="0">32156841</us-gaap:BuildingsAndImprovementsGross>
<us-gaap:MachineryAndEquipmentGross ... 338275</us-gaap:MachineryAndEquipmentGross>
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<hero:RealEstateGrossBeforeLandHeldF ... decimals="0">37576495</hero:RealEstateGrossBeforeLa ...
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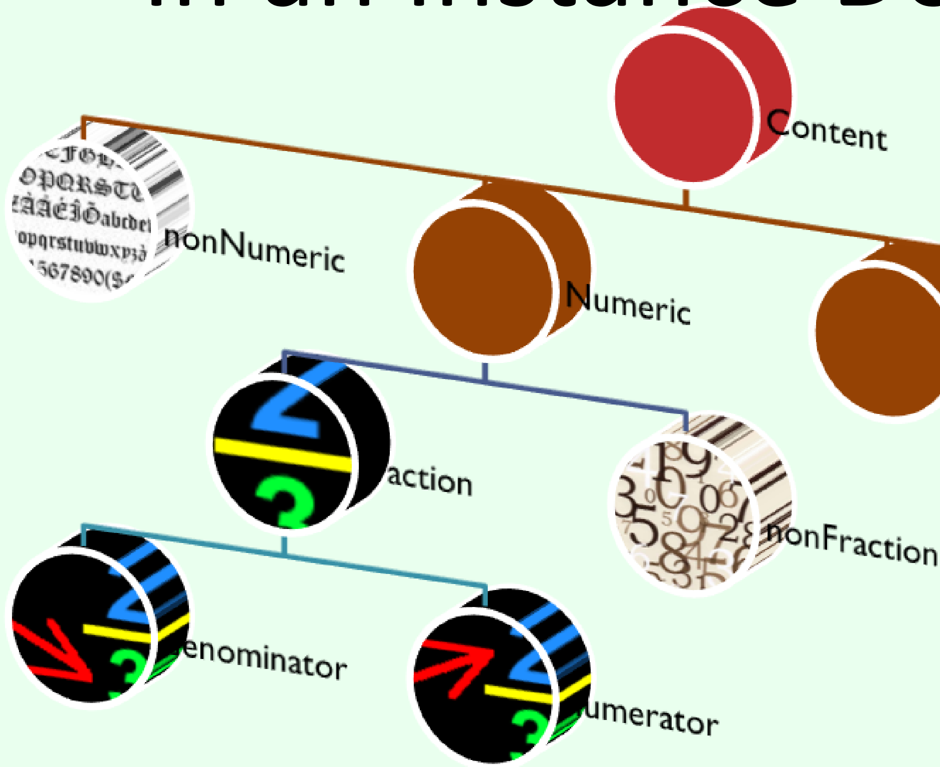
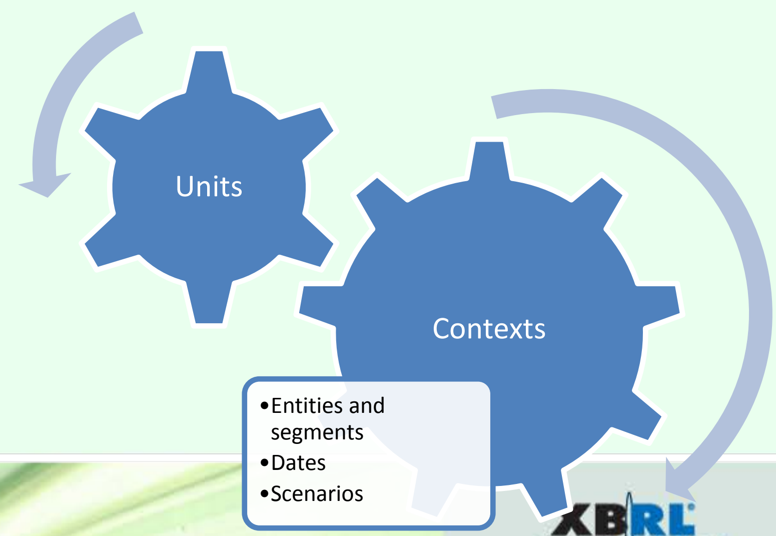
As a preparer or analyst you don't need to view or read these files.

In an Instance Document





Specification and Its Modular Extensions

Adding functionality to the Specification without "modifying" the Specification itself.

Recommendations

XBRL 2.1 Specification
Dimensions 1.0
Formula 1.0 Specification
Generic Links
Inline XBRL (Rendering) Specification
Registry (for Formula)
Transformation Registry v2 (for Inline HTML)
XBRL Global Ledger Taxonomy Framework

Proposed Edited Recommendations

Variables 1.0
Match Filters 1.0
Generic Labels
Function Definitions

Proposed Recommendations

Generic Preferred Label 1.0
Units Registry – Structure, Process

Candidate Recommendations

Formula Extension Modules – Instances
Versioning Specification – Base, Concept Use, Concept Details and Dimensions
Formula Tuples 1.0
Variables-Scope Relationships 1.02

Public Working Drafts

Comparability Business Requirements
Table Linkbase 1.0
XBRL Abstract Model 2.0
Versioning for Dimensions
Dimension Filters 1.1

Inline XBRL

- XML is about separation between content and context (always good) and fixed presentation (with its necessary regional and functional limitations)
- XBRL bridges certain practical challenges of stripping away presentation and leaving only the content and context
- Inline XBRL reintroduces HTML through a flexible connection between what you see (the HTML) and what it may mean (the XBRL)

Every System as XBRL

Across language
Across data definitions
Across file formats

System 1	System 2	System 3
Account#	勘定科目番号	Identificador de la Cuenta
Description	勘定科目説明文	Descripción Principal de la Cuenta
Amount	金額	Monto Monetario
PostDate	転記日付	Fecha de Asignación/Ingreso

Join Us, Working Together

- Gain efficiencies today
- While building the foundation for revolutionizing business reporting
- Data, processes, rules
- For the benefits of everyone in the BRSC
- A technical standard for the seamless process of exchange across all audit processes, internationally.

- *So that a piece of business information, once entered into a computer anywhere, never needs to be retyped as it flows through the business reporting supply chain*
- *From first transaction or business event on through direct or derived use*

XBRL and You

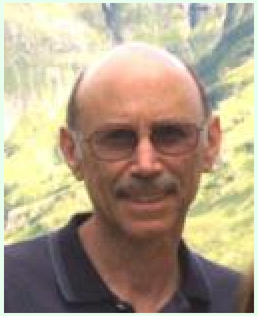
- Resources of XII
  - Web site
    - http://www.xbrl.org
    - Web site of your jurisdiction or region
  - Mailing lists
    - XBRL International*
    - Yahoo Groups
  - Wiki*
  - SVN*

*Members only

XBRL and You (Cont.)

- Sessions at XII 25

- Great sessions
- Hands-on opportunities



Have a Great Conference!

- Eric E. Cohen
  - eric.e.cohen@us.pwc.com