

untagged  
exclude - tagged.  
scale  
format sign  
hidden

## Inline XBRL Panel Discussion

Dublin

17-April-2014

# In our remaining time ... and to inspire discussion during the afternoon “debates” – we focus on benefits to/challenges from Inline XBRL and auditor assurance

Led by Eric E. Cohen, PwC

- Andy Greener, XMC
  - Roy Warden, HMRC
  - Brian Boyle, IE Rev
  - Kyle Lamb, EY UK
- An incredibly brief **introduction to Inline XBRL** and what it looks like in practice
  - Inline XBRL **risk evaluation and mitigation strategies**
  - Regulatory decision-making related to the selection of Inline XBRL as an **optional or mandatory** format
  - Advantages and challenges - **what has happened in practice** - how creative have filers been to date?

# Andy Greener

- Andy Greener is a Director of Xmetric, whose SureFile Accounts online iXBRL Accounts Quality Assurance service is used by UK iXBRL accounts preparers. In a past life he was also responsible for the strategic architecture of the HMRC CT Online Service.
- Questions?
  - Andy@Xmetric.co.uk

# What Is Inline XBRL?

# BOGOF

# Buy One Get One Free

A machine-readable data format that a human can consume

Or

A human-readable data format that a computer can consume

# Inline XBRL basics

```
<table>
<tr><td></td><td>2010</td></tr>
<tr><td></td><td>£m</td></tr>
<tr>
<td>Property, Plant & Equipment</td>
<td><b>7</b>
</td>
</tr>
</table>
```

iXBRL

	2010
	£m
Property, Plant & Equipment	<b>7</b>

Rendered

```
<pt:TangibleFixedAssets contextRef="e2010" decimals="-6" unitRef="GBP">7000000.00</pt:TangibleFixedAssets>
```

XBRL

# Roy Warden

- Roy Warden works for Her Majesty's Revenue and Customs in the UK and is responsible for the end-to-end processes for delivering Corporation Tax.
- Questions and comments?
  - [roy.warden@hmrc.gsi.gov.uk](mailto:roy.warden@hmrc.gsi.gov.uk)



# Brian Boyle



- Brian Boyle is Business Project Lead for the implementation of the Revenue (Irish Tax Administration) iXBRL Project.

# Kyle Lamb

- Kyle is Ernst & Young's principal Global XBRL Technical Specialist, leading their Global XBRL Team from London

# Some Thoughts by Eric E. Cohen

- XBRL and Inline XBRL issues
- Review tools
- Mind map – risks to prepare for
- Areas of consideration
- Features may inspire abuse

# XBRL and Inline XBRL

## XBRL Alone

- Relies solely on content + context to convey company story; could increase demand for expressive taxonomy extensions
- Review when comparing existing print report to XBRL representation difficult

## XBRL within Inline XBRL

- Relies on presentation plus XBRL; implementation-specific how XBRL captures presentation and other attributes; less potential S-T demand for expressive taxonomies
- Review facilitated by coupling (however loose) of iXBRL

# Corefiling Magnify

**FOR THE YEAR ENDED 31 December 2009**

Notes	Year ended 31 December 2009 £	9 months ended 31 December 2008 £
Revenue	888,345	287,004
Cost of sales	(175,973)	(89,738)
Gross Profit	712,372	197,266
Administrative expenses	(396,049)	(156,747)
Profit from operations	316,323	40,519
Financial income	0	757
Financial expenses	(2,842)	(814)

**Fact Inspector**

Dimension	Value
XBRL	
Label	Revenue
Namespace	http://xbrl.iasb.org/taxonomy
Concept	Revenue
Balance	credit
Value	287004
Unit	iso4217:GBP
Decimals	0
Period	2008-04-01 to 2008-12-31
Entity Identifier	12345678
Identifier Scheme	http://www.companieshouse.
Footnotes	None
Inline XBRL	
Scale	1

**Instance Contents**

- Filter...
- BBBBB Limited iXBRL
  - Hidden iXBRL Items: 01 - Entity Information
  - Hidden iXBRL Items: 02 - Business Report Information
  - Hidden iXBRL Items: 05 - Directors' Report (by Entity officers)
  - Hidden iXBRL Items: 05 - Directors' Report (no breakdown)
  - Hidden iXBRL Items: 20 - Notes and Detailed Disclosures
  - Hidden iXBRL Items: 99 - XBRL Document Information
  - 01 - Entity Information (by Entity officers)
  - 01 - Entity Information (by Third party agent type)
  - 01 - Entity Information (no breakdown)
  - 02 - Business Report Information
  - 05 - Directors' Report (by Entity officers)
  - 05 - Directors' Report (no breakdown)
  - 06 - Auditor's Report
  - 10 - Income Statement

Does label relate to printed caption?  
Do units, scaling, regional formatting make sense?

Highlight and expose tagged data

Highlight "hidden" data

# Fujitsu XWand

## Hidden non-numeric facts:

[Name of author][c\_1][2012-01-01, 2012-12-31] Seahorse 1.16.1.23763  
[Description or title of author][c\_1][2012-01-01, 2012-12-31] http://www.corefiling.com  
[Financial statements are prepared on going-concern basis [true/false]][c\_1][2012-01-01, 2012-12-31] true  
[Start date for period covered by report][c\_19][2012-12-31] 2012-01-01  
[End date for period covered by report][c\_19][2012-12-31] 2012-12-31

Inline XBRL Documents - Windows Internet Explorer

http://localhost:59000/

Highlight "hidden" data

Highlight and expose tagged data

**Inline XBRL Documents:**  
BBBBB Limited.html

**View Options:**

- Highlight Inline XBRL Tags
- Show Concept Label
- Show Context ID
- Show Unit ID
- Show Period
- Show Attributes
- Show Facts/Footnotes in ix:hidden Tag

**Tag Information:**

Label	Name of entity officer
Documentation	Name of entity officer. Use entity officer dimensions to identify specific role.
Element Name	uk-bus:NameEntityOfficer
Element ID	uk-bus_NameEntityOfficer
Type	xbri:stringItemType
Substitution Group	xbri:item
Period Type	Duration

**BUSINESS REVIEW AND RESULTS**

The directors are satisfied with the company's performance for the year ended 31 December 2011. See the Statement of Comprehensive Income and notes thereto.

**DIVIDENDS**

The directors have not paid an interim dividend (9 months ended 31 December 2011 €52,000) and they do not propose the payment of a final dividend (9 months ended 31 December 2011: €0).

**DIRECTORS**

The directors who served during the year were as follows:

[Name of entity officer][c\_22][2012-01-01, 2012-12-31] G T White  
[Name of entity officer][c\_23][2012-01-01, 2012-12-31] J P Green (and Company Secretary)  
[Name of entity officer][c\_24][2012-01-01, 2012-12-31] M M Black  
[Name of entity officer][c\_25][2012-01-01, 2012-12-31] S D Orange

Mr [Name of entity officer][c\_23][2012-01-01, 2012-12-31] J P Green and Mrs [Name of entity officer][c\_25][2012-01-01, 2012-12-31] S D Orange are also directors of the intermediate parent undertaking [Name of parent entity][c\_1][2012-01-01, 2012-12-31] BBBBB Parent Limited.

**DISCLOSURE OF INFORMATION TO AUDITORS**

[Statement on quality and completeness of information provided to auditors][c\_1][2012-01-01, 2012-12-31] The Directors who held office at date of approval of this directors' report confirm that, so far as they are each aware, there is no relevant audit information of which the Company's auditors are unaware; and each director has taken all the steps that they ought to have taken as a director to make themselves aware of any relevant audit information and to establish that the Company's auditors are aware of that information.

# Eric's Exhaustive Examination of Every Eventual Erroneous Exploitation

**Central Node:** Consider the accuracy, completeness and xxx of Inline XBRL

- Is the visual fact "tagged"?**
  - Does it go to the right "target"?
    - No - duplicate information
    - Should it have been?
      - No - not required or chosen if optional
      - Yes
    - Yes - parenthetical amounts
    - Yes - subscripted footnotes
      - Numeric content in subscripted footnotes
      - Technical information
      - Association with appropriate facts
    - Yes - headers (as abstracts)
    - Is part of the tagged content "excluded"?
      - Yes - is the exclusion appropriate?
      - No
    - Dealing with one visual fact (numeric or otherwise, multiple XBRL entries)
      - Short-hands used in print to indicate multiple facts
      - Are required xxx levels of granularity covered?
    - Dealing with multiple visual facts that only need to be tagged once
      - Identifying the first instance of the tagged fact
      - Reflects all of the repeated uses of the same fact
      - Handling multiple tagging of the same fact
    - Does it go to the right "target"? (Yes)
      - Yes - line items
        - Is the selected element (primary item) correct?
        - Is the association with the (hidden) unit correct? Do any visual unit indicators conflict?
        - Is the association with the related context correct? Segments/dimensions, Time period, Reporting entity (CU/scheme)
        - Structure
          - Is the declaration of the type of content correct?
          - Is the Numeric/date format transformation code correct?
          - Is the sign correct? Dealing with multiple presentation, different precision
          - Is the precision correct? Dealing with multiple presentation, different SCALING
          - Is the scaling correct? Dealing with multiple presentation, different SCALING
          - Fractions
            - Are visual numerators and denominators identified as such in the metadata?
      - No - Dealing with facts sent to alternative instance documents
- Hidden**
  - Is there hidden content?
    - Yes
    - Is it "correct"?
    - Is it anticipated (required or otherwise permitted)?
    - No
  - Units
  - Contexts
  - Other hidden content
- Playing with HTML**
  - Will viewers see the same content?
    - Will machines and viewers "see" the same content?
- Abuses**
  - "Hidden"
    - Will be added through that could have been on visible content
    - Will be tagged through that is tagged and "I" in the visible
  - "Exclude"
    - Will be duplicated in that is tagged in the in different attributes - visible goes to a target
    - Will be added through that could have been on visible content
  - Tagging metadata
  - Dynamic HTML
  - Use of graphics
  - HTML
  - Use of invisible text
  - Mismatches
- Mechanisms**
  - Remove graphics
  - Remove/deactivate active content
  - Black text on white background
  - Removal of non-XBRL metadata
  - Highlight tagged content by target instance
  - Highlight "excluded" content
  - Identify formatting, scaling differences
  - Provide exposure to standard label
- Questions**
  - Is there some reconstituted hybrid that can leverage BOTH the instance/label and the inline XBRL?
  - The instance document is still available and can be checked against the viewable document - unless the rules for the Exhibit (instance, schema, linkbases) change, there is no XBRL loss
- Basic issues**
  - Not tagged
  - Tagged wrong
  - There's stuff you don't see that goes into the XBRL (hidden)
  - With HTML, what you see is not necessarily what you get
- Extension taxonomy issues**
  - Definition linkbase/tables built correctly
    - Presentation linkbase synchronized as best as possible with HTML (order/hierarchy)
  - Presentation linkbase
    - Presentation linkbase synchronized with definition linkbase for bases
    - Abstracts appropriately incorporated
  - EU/US presentation groups (6.7.12)
    - Do the printed sections correlate with the printed presentation?
  - Calculation linkbase reflects appropriate total/sub-totals as required
  - Labels in label linkbase and preferred labels match captions in HTML, which is NOT tagged/inlined in any way
    - English translations provided for all foreign content

# Areas of Consideration

- Legacy “print” issues
    - Fool the reader
  - “Legacy” XBRL issues
    - Push the barriers of the technology
    - Extension taxonomy questions and issues
  - Legacy HTML issues
    - Fool the search engine
    - Fool the browser
- Inline XBRL “limitations”
    - e.g., Tying together items reported in multiple places
  - HTML/metadata overlap issues
    - What you see
    - Plus what’s hidden
    - Less what’s not tagged
    - Less what’s explicitly excluded
    - Is what you get



# Powerful Features May Inspire Abuse

- Original presentation can be maintained
  - What is 5.000? The metadata tells the tale
  - Regional differences, scaling are “behind the scenes”
- An Inline XBRL document can be used to create multiple XBRL instances
  - Important *tagged* facts can be diverted to secondary files
- Non-essential text (e.g., page cross-references) can be omitted from tagged text
  - Essential visual text can disappear during transformation

# To be continued

- Auditor Association discussion
- Afternoon panels
  - Benefits
  - Challenges
  - Potential additional uses



A word cloud of XBRL-related terms. The words are: untagged, exclude, tagged, scale, sign, format, and hidden. The words are arranged in a cluster, with 'exclude' on the left, 'untagged' at the top, 'tagged.' in the middle, 'scale' and 'sign' on the right, 'format' below 'tagged.', and 'hidden' at the bottom.