

# Block Tagging ESEF & SEC

Similarities and differences between these two filing systems

Eurofiling 14 Dec  
Herm Fischer  
Arelle

# SEC & ESEF

- Similarities
- Differences
  - Deep nested duplicate block tagging
  - PDF-sourced absolutely-positioned text
  - XBRL Subject to Audit for ESEF
  - Official/Authoritative XBRL Viewer at SEC built to know how to extract and render fact values
- Examples

# SEC features

## features

- HTML tagged from text (provider or Word)
  - No absolutely positioned text
- HTML readable with style preserved
  - Formatting expected to be preserved
  - Interactive data webpages (R files)
- Block tagging for disclosures and notes
- Text blocks facts render with style in R file tables

# ESEF

- HTML may be tagged from PDF
  - Absolutely positioned text
- HTML readability not expected
  - Plain text (escape="false") allowed
  - Formatted text (escape="true") allowed
- Block tagging for policy usage
  - Seriously overlapped facts
- Text blocks *may* extract without style

# SEC Filer Manual

- EFM 6.6.16 Block Tagging Requirements
  - Complete footnote
  - Required schedule
- EFM 6.6.19 Policies
  - Significant accounting policy
- EFM 6.6.20 Tables
  - Table within footnote

# ESEF Filer Manual

- G 1.9
  - Multi-tagged granularity
  - Explanatory notes and policies
- G 2.2.6
  - Not expected to preserve formatting



## SEC Purpose of blk tagging

- Originally for SEC Web Pages
  - “R” Files table display
  - Embedded tables important
  - Risk-return prospectuses with tables
- Disseminated XBRL
  - Consuming facts from extracted XBRL
  - Database searches
- iXBRL Viewing
  - Locate groupings (pres LB hierarchy)
  - Identify facts

## ESEF Purpose of blk

- Not clear
  - Locate facts in document
  - Tabular structure may be lost
  - ??

# SEC Hierarchy

# ESEF Hierarchy

- N/A

- XBRL-EU Excel sheet

0			<b>DisclosureOfNotesAndOtherExplanatoryInformationExplanatory</b>
1			DisclosureOfGoingConcernExplanatory
1	2		DescriptionOfUncertaintiesOfEntitysAbilityToContinueAsGoingConcern
1	2		ExplanationOfFactAndBasisForPreparationOfFinancialStatementsWhenNotGoingConcernBasis
1	2		ExplanationWhyFinancialStatementsNotPreparedOnGoingConcernBasis
1			DisclosureOfAccountingJudgementsAndEstimatesExplanatory
1	2		ExplanationOfAssumptionAboutFutureWithSignificantRiskOfResultingInMaterialAdjustments
1	2		DisclosureOfAssetsAndLiabilitiesWithSignificantRiskOfMaterialAdjustmentExplanatory
1			DisclosureOfDividendsExplanatory
1	2		DescriptionOfAccountingPolicyForDividendsExplanatory
1	2		DividendsRecognisedAsDistributionsToOwnersPerShare
1	2		DividendsProposedOrDeclaredBeforeFinancialStatementsAuthorisedForIssueButNotRecognisedAsDistributionToOwners
1	2		DividendsProposedOrDeclaredBeforeFinancialStatementsAuthorisedForIssueButNotRecognisedAsDistributionToOwnersF
1			DisclosureOfGeneralInformationAboutFinancialStatementsExplanatory
0			NameOfReportingEntityOrOtherMeansOfIdentification
0			ExplanationOfChangeInNameOfReportingEntityOrOtherMeansOfIdentificationFromEndOfPrecedingReportingPeriod
1			DisclosureOfAuthorisationOfFinancialStatementsExplanatory

# SEC Example (extracted instance text block)

**Apple Inc. (Filer) CIK: 0000320193**

[Print Document](#) [View Excel Document](#)

10-K	<b>Summary of Significant Accounting Policies (Tables)</b>	<b>12 Months Ended</b>			
Cover	<b>Accounting Policies [Abstract]</b>	<b>Sep. 24, 2022</b>			
Financial Statements	Computation of Basic and Diluted Earnings Per Share	The following table shows the computation of basic and diluted earnings per share for 2022, 2021 and 2020 (net income in millions and shares in thousands):			
Notes to Financial Statements			<u>2022</u>	<u>2021</u>	<u>2020</u>
Accounting Policies		Numerator:			
Notes Tables					
Summary of Significant Accounting Policies (Tables)					
Revenue (Tables)					
Financial Instruments (Tables)					
Consolidated Financial Statement Details (Tables)					
Income Taxes (Tables)					
Leases (Tables)					
			<u>16,325,819</u>	<u>16,864,919</u>	<u>17,528,214</u>
		Weighted-average basic shares outstanding	16,215,963	16,701,272	17,352,119
		Effect of dilutive securities	109,856	163,647	176,095
		Weighted-average diluted shares	<u>16,325,819</u>	<u>16,864,919</u>	<u>17,528,214</u>
		Basic earnings per share	\$ 6.15	\$ 5.67	\$ 3.31
		Diluted earnings per share	\$ 6.11	\$ 5.61	\$ 3.28



# SEC Example (source inline viewing)

Search Facts Facts 1,168

Note 2 - Revenue

Net sales disaggregated by significant products and services for 2022, 2021 and 2020 were as follows (in millions):

	2022	2021	2020
iPhone <sup>(1)</sup>	\$ 205,489	\$ 191,973	\$ 137,781
Mac <sup>(1)</sup>	40,177	35,190	28,622
iPad <sup>(1)</sup>	29,292	31,862	23,724
Wearables, Home and Accessories <sup>(1)(2)</sup>	41,241	38,367	30,620
Services <sup>(3)</sup>	78,129	68,425	53,768
<b>Total net sales <sup>(4)</sup></b>	<b>394,328</b>	<b>365,817</b>	<b>274,515</b>

(1) Products net sales include amortization of the deferred value of the respective product.

(2) Wearables, Home and Accessories net sales include sales of mini and accessories.

(3) Services net sales include sales from the Company's advertising services. Services net sales also include amortization of the deferred value of services bundled in the sales price of the respective product.

(4) Includes \$7.5 billion of revenue recognized in 2022 that was included in deferred revenue as of September 26, 2020, and \$5.0 billion of revenue recognized in 2021 that was included in deferred revenue as of September 28, 2019.

The Company's proportion of net sales by disaggregated Geographic Data for 2022, 2021 and 2020, except in Greater China, is as follows:

	2022	2021	2020
Greater China	2	1	0
Other	2	1	1
Other	0	9	3

As of September 24, 2022 and September 25, 2021, the Company expects 64% of total deferred revenue to be realized within two-to-three years and 2% in greater than three years. As of September 24, 2022, the Company expects 7% within two-to-three years and 2% in greater than three years.

**Attributes**

**Fact** Revenue

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	2022	2021	2020
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# ESEF Example (formatted table in text block)

## KONZERN-KAPITALFLUSSRECHNUNG

Disclosure of cash flow statement [text block]

Adjustments for income tax

Mio €	Kapitel	expense <sup>1</sup>	2020
<b>Konzernergebnis</b>		-122,0	-363,2
Steuern vom Einkommen und vom Ertrag	12	155,6	11,9
Finanzergebnis	11	5,9	27,0
<b>EBIT</b>		<b>39,5</b>	<b>-324,3</b>
Gezahlte Zinsen		-37,1	-19,4
Erhaltene Zinsen		13,6	17,3
Gezahlte Ertragsteuern	12, 29	-151,2	-171,0
Abschreibungen sowie Wertminderungen	8, 14, 15, 16	484,4	577,2

▼ `<ix:nonnumeric name="ifrs-full: DisclosureOfCashFlowStatementExplanatory" id="fact-9" contextRef="c-1" escape="true" xml:lang="de">`

`<span></span>`

▼ `<table style="width: 663px; border-collapse: collapse; margin: 0px auto 0px 0px; position: relative;">`

# SEC Example Examples

- Apple 10-K (nested table):

[https://www.sec.gov/cgi-bin/viewer?action=view&cik=320193&accession\\_number=0000320193-22-000108&xbrl\\_type=v#](https://www.sec.gov/cgi-bin/viewer?action=view&cik=320193&accession_number=0000320193-22-000108&xbrl_type=v#)

# ESEF

- Vitesco Technologies (nested table):

<https://xbrl-dashboard.amana.de/Filing/Details/3051>

- TIE Kinetix (text blocks)

<https://filings.xbrl.org/724500IS1M4H9S4SDD39/2022-09-30/ESEF/NL/0/724500IS1M4H9S4SDD39-2022-09-30/reports/ixbrlviewer.html#f-ixv-259>



# Conclusion

- What is the purpose of extracted text blocks
  - SEC dissemination preserves structure (especially nested tables)
  - ESEF may source from PDFs (can't recover structure)
  - Audit tools (what do they need)
- How will tools evolve over near term
  - Can PDF extraction improve to preserve nested tables
- What do ESEF XBRL consumers need