

## Delve Into ESG Assurance:

From Basics to Best Practices



## Agenda

- 1. What Is ESG Assurance?
- 2. Importance of ESG Assurance
- 3. Limited vs. Reasonable Assurance
- 4. Typical Assurance Procedures
- 5. Internal Controls for ESG
- 6. CSRD Implications





### Introductions



Nate White
Director
ESG & Climate Risk
Kansas City, MO

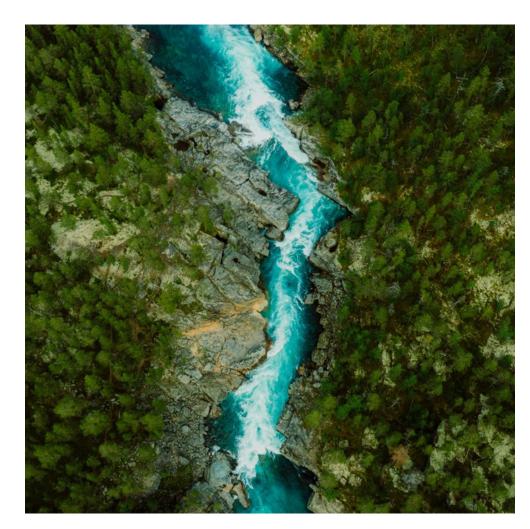


**Steve Wilkerson** Senior Manager ESG & Climate Risk Denver, CO



Michelle Olckers
Partner
Sustainability
London, England

Delivering tailored solutions that help clients build resilient businesses and contribute to a more sustainable future.







## **Components of ESG Assurance**

Selected Components of Assurance	ESG Example	Financial Example	
		Audit, <i>i.e.</i> , reasonable assurance, under AICPA Generally Accepted Auditing Standards (GAAS)	
Subject Matter	GHG emissions data	Financial statements	
Reporting Criteria	ia GHG Protocol Generally Accepted Accounting Principles		
Common Procedures	Performing inquiries & analytical procedures  Confirmations, vouching to invoic documentation		
Opinion Negatively worded Positively worded		Positively worded	



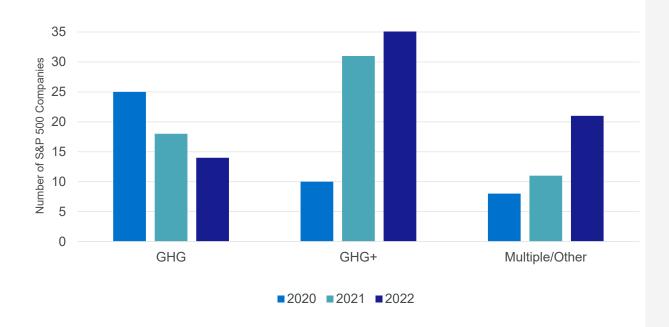
## **Subject Matter Examples**





## **External Assurance Statistics – Subject Matter**

#### Scope of Assurance - Public Company Auditors



Source: S&P 500 ESG Reporting & Assurance Analysis, CAQ, 2024

- GHG emissions are the most common ESG metric to undergo assurance
- Companies have been shifting from mostly seeking assurance over only GHG emissions to seeking assurance over several metrics
- GHG+ = GHG emissions & 1-3 other ESG metrics
- Multiple/other = broader range of ESG topics or non-GHG related metrics



## What Is ESG Assurance? **Reporting Criteria**











Importance of ESG Assurance



## Importance of ESG Assurance Overall Value of Assurance

#### Internal

Decreases the risk of having to restate prior-year calculations

Increased confidence in reported information

Enhanced internal accounting & reporting practices

#### **External**

Greater stakeholder trust in the reported information

Creates positive drivers to pursue GHG emission reductions across the value chain

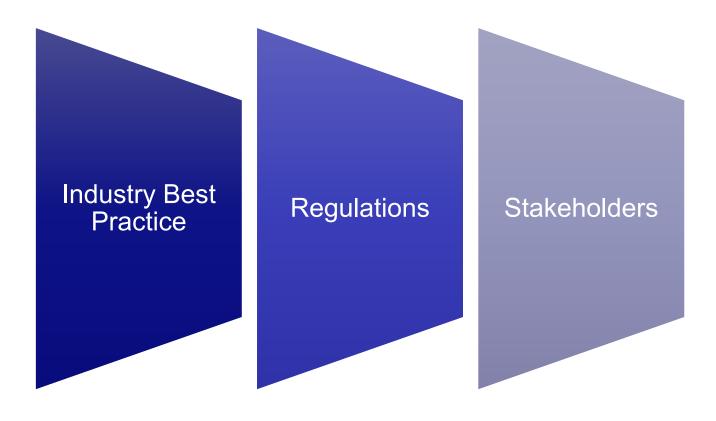
Facilitates input from stakeholders to prioritize the reduction of emissions

Encourages companies to stay accountable, reduce risk, & create value



## Importance of ESG Assurance

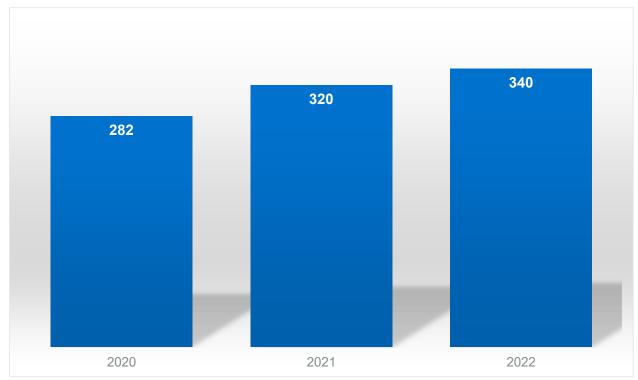
## **ESG Reporting & Assurance Motivation**





## Importance of ESG Assurance Industry Best Practice

S&P 500 Companies Disclosed Obtaining ESG Assurance or Verification



Source: S&P 500 ESG Reporting & Assurance Analysis, CAQ, 2024

- 98% of S&P 500 companies reported ESG-related information in 2022
- 6% increase in S&P 500
   Index companies receiving assurance or verification over certain ESG metrics from 2021 to 2022
- 68% of S&P 500 companies obtained assurance over some ESG information in 2022



## Importance of ESG Assurance

#### California Climate Laws

Senate Bill 219, signed into law September 2024, consolidates & amends Senate Bills 253 & 261 requirements.

The most significant messages include:

- No change in reporting timeline, although there could be slight revisions to Scope 3 within the 2027 reporting year
- California Air Resource Board (CARB) has until July 1, 2025, six additional months, to provide detailed implementation regulation
- GHG emissions reporting (under former Senate Bill 253) can occur at parent level
- Timing of filing fees to be determined by CARB

#### Senate Bill 253 (SB 253) – Climate Corporate Data Accountability Act

#### Who is impacted?

- >5,000 U.S. companies
- Public & private
- >\$1B total revenue
- · Doing business in California

#### What is it?

- Annual reports of emissions based on GHG Protocol
- · Public disclosure on digital platform
- · Attestation required

#### When is it effective?

- FY2025 Scope 1 & 2 emissions reported in 2026
- Limited assurance 2026 to 2029
- Reasonable assurance starting in 2030
- FY2026 Scope 3 emissions reported in 2027
- Limited assurance starting in 2030

#### Senate Bill 261 (SB 261) – GHGs: Climate-Related Financial Risk Act

#### Who is impacted?

- >10,000 U.S. companies
- Public & private
- >\$500M total revenue
- · Doing business in California

#### What is it?

- <u>Biennial</u> reports of climate-related financial risks Task Force on Climate-Related Financial Disclosures (TCFD) aligned; to be published on website
- <u>Framework</u>: Governance, Strategy, Risk management, Metrics & targets
- Mitigating measures
- No attestation required

#### When is it effective?

Initial disclosure by January 1, 2026

#### PENALTIES FOR NON-COMPLIANCE:

**SB 253** – up to \$500k per year in penalties. Penalties assessed on Scope 3 reporting, between 2027 & 2030, shall only occur for nonfiling, & will not be incurred for misstatements so long as Scope 3 disclosures were made with a reasonable basis & disclosed in good faith.

SB 261 – up to \$50k per year in fines

Factors impacting the ultimate penalties: (i) If the company undertook good faith measures to comply. (ii) Company's past & present compliance.



Scope 2: Indirect GHG emissions from purchased or acquired electricity, steam, heating, or cooling Scope 3: Indirect GHG emissions from upstream & downstream activities in the value chain



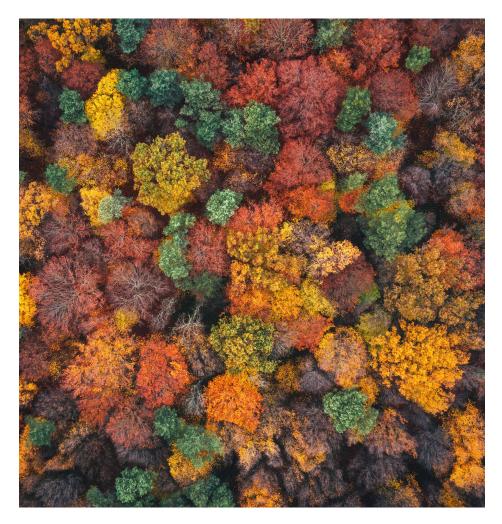
## Importance of ESG Assurance "Doing Business in California" Definition

CARB will need to confirm the definition of "doing business in California" but is expected to rely on existing ones.

California Franchise Tax Board's definition of "doing business in California" under Cal. Rev. & Tax Code § 23101 is any company that meets any of the following:

- Engages in any transaction for the purpose of financial gain within California
- Are organized or commercially domiciled in California
- California sales, property, or payroll exceed the following amounts for 2024
  - California sales exceed 25% of sales or \$735,019
  - California real & tangible personal property exceed 25% of total property or \$73,502
  - California payroll compensation exceeds 25% of payroll or \$73,502

Cal. Corp. Code § 191(a) has a somewhat narrower definition: "entering into repeated & successive transactions of its business in [the] state, other than interstate or foreign commerce."





### Importance of ESG Assurance

## **Greenhouse Gas (GHG) Emissions**

GHGs are gases that trap heat within the earth's atmosphere. Accumulation of GHGs in the atmosphere – mostly caused by human activities such as burning fossil fuels & deforestation – leads to the impacts of climate change seen across the globe, with more projected in the future.

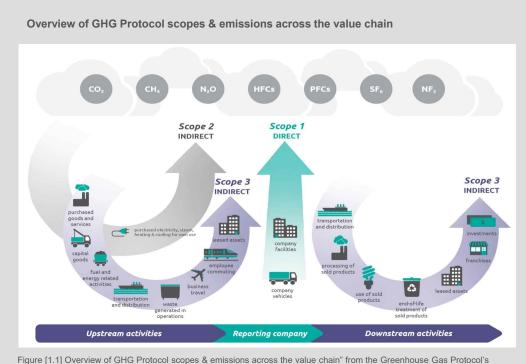


Figure [1.1] Overview of GHG Protocol scopes & emissions across the value chain" from the Greenhouse Gas Protocol's "Corporate Value Chain (Scope 3) Accounting & Reporting Standard

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The GHG Protocol categorizes GHG emissions into three scopes:

#### Scope 1 emissions:

Direct emissions from owned or controlled sources

#### Scope 2 emissions:

Indirect emissions from the generation of purchased energy

#### Scope 3 emissions:

Other indirect emissions that occur in a company's value chain, including both upstream & downstream emissions. There are fifteen Scope 3 categories.

#### **Upstream**

- 1. Purchased goods & services
- 2. Capital goods
- 3. Fuel- & energy-related activities
- Upstream transportation & distribution
- 5. Waste generated in operations
- 6. Business travel
- 7. Employee commuting
- 8. Upstream leased assets

#### **Downstream**

- Downstream transportation & distribution
- 10. Processing of sold products
- 11. Use of sold products
- 12. End-of-life treatment of sold products
- 13. Downstream leased assets
- 14. Franchises
- 15. Investments



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## Limited vs. Reasonable Assurance



## Limited vs. Reasonable Assurance Level of Assurance



#### **Limited Assurance**

Most common type of ESG assurance

Referred to as a "review" under AICPA standards

Involves inquiries, analytical procedures, & other procedures



#### **Reasonable Assurance**

Referred to as an "examination" under AICPA standards

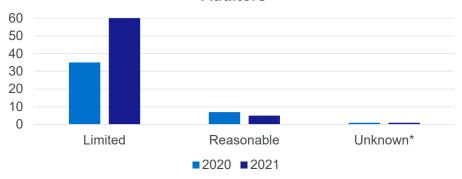
Involves tracing information to supporting documents & performing recalculations



#### **Agreed-upon Procedures**

May be beneficial if the organization has specific procedures to be performed on reported information

#### Level of Assurance From Public Company Auditors





## Limited vs. Reasonable Assurance **Opinion**

Limited Assurance	Reasonable Assurance		
Negatively Worded: "We are not aware of any material modifications that should be made to the subject matter in order for it to be presented in accordance with the criteria."	Positively Worded: "The subject matter is presented in accordance with the criteria in all material respects."		

Unqualified

Qualified

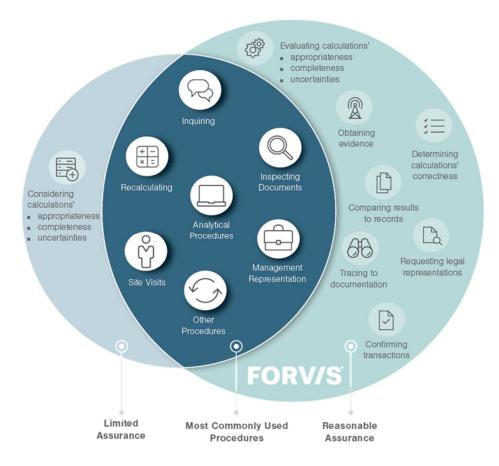
Adverse



Typical Assurance Procedures



## Typical Procedures **ESG Assurance**









### **Common Risks of Material Misstatement**

Risk of Material Misstatement	How to Address			
Incomplete listings/inventory or inadequate identification of boundaries – Completeness	<ul> <li>Properly include all locations &amp; emissions sources</li> <li>Properly define organizational &amp; operational boundaries</li> </ul>			
Lack of support for key assumptions	<ul> <li>Maintain supporting documentation for key assumptions used in the calculations</li> <li>Describe how the key assumptions align with the reporting criteria</li> </ul>			
Inaccurate use of emission factors	Use up-to-date & appropriate emission factors			
Improper calculations	<ul> <li>Ensure data is appropriately linked in spreadsheets</li> <li>Ensure totals include the appropriate information</li> </ul>			
Insufficient internal controls or inadequate data collection	<ul> <li>Implement robust data collection processes &amp; procedures</li> <li>Review SOC reports of critical vendors for reporting &amp; implement complementary user entity controls (CUECs) from SOC report</li> </ul>			
Proper disclosure that aligns to reporting criteria	Prepare disclosures that includes required information from the reporting criteria			



### **Common Risks of Material Misstatement**

According to the Institute of Internal Auditors (IIA), a control is "any action taken by management, the board, and other parties to manage risk and **increase the likelihood that established objectives and goals will be achieved**. Management plans, organizes, and directs the performance of sufficient actions to provide reasonable assurance that objectives and goals will be achieved."

#### **Control Description Components**

Control descriptions should indicate the control activity & answer the following questions:

WHO (Or what system) performs the control activity?

**WHAT** mechanism is used to perform the activity (report, system, etc.)?

WHEN (How often/relational timing) is the activity performed?

WHERE is the activity performed, if relevant to mitigating the risk?

**WHY** is the activity performed?

**HOW** (Specific action) is the activity performed?

#### **Control Description Examples**

**Financial Reporting:** Monthly, prior to calculation of Bad Debt Reserves, Accounting Manager (or other colleague independent of the report preparer) reviews the parameters used to generate the A/R Aging Report for appropriateness & agrees report totals back to the system to verify completeness & accuracy of the report.

**ESG Reporting:** Monthly, prior to calculation of Diversity metrics, HR Manager (or other colleague independent of the report preparer) reviews the parameters used to generate the Active Employees Report for appropriateness & agrees report totals back to the system to verify completeness & accuracy of the report.



## **Examples – Risk & Control Matrix (RCM)**

#### **Financial Reporting:**

Process	Sub-Process	Risk ID	Risk Description	Control ID	Control Description
Revenue & Accounts Receivable	Bad Debt	RR-01	The A/R Aging Report used to calculate Bad Debt Reserves does not contain complete or accurate receivables data for the current period, resulting in a misstatement of Bad Debt Reserves in the financial statements.	BD-01	Monthly, prior to calculation of Bad Debt Reserves, Accounting Manager (or other colleague independent of the report preparer) reviews the parameters used to generate the A/R Aging Report for appropriateness & agrees report totals back to the system to verify completeness & accuracy of the report.

#### ESG:

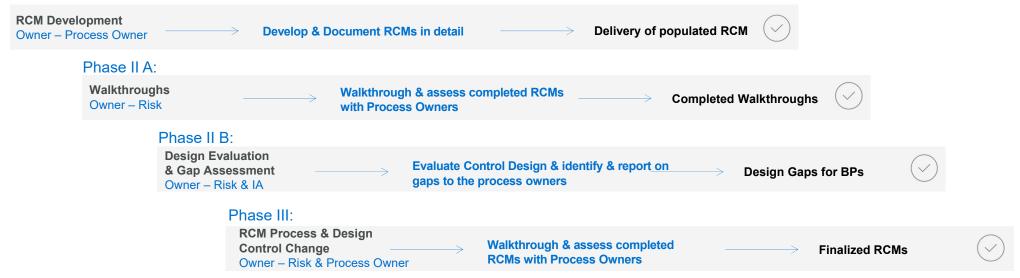
Process	Sub-Process	Risk ID	Risk Description	Control ID	Control Description
Social	Diversity, Equity, & Inclusion	RR-02	The Active Employee Report used to calculate diversity metrics does not contain complete or accurate employee population data for the current period, resulting in inaccurate calculation of reportable metrics.	DEI-01	Annually, prior to calculation of Diversity metrics, HR Manager (or other colleague independent of the report preparer) reviews the parameters used to generate the Active Employees Report for appropriateness & agrees report totals back to the system to verify completeness & accuracy of the report.



## **Our Approach – RCM Development**

For new key processes, Risk & Control Matrices should be developed with full Three Line of Defense Enablement:

#### Phase I:





### COSO's Internal Controls Over Sustainability Reporting (ICSR)

COSO is a widely accepted framework used for assessment of internal controls.

A system of principles for effective internal controls when applied across operations, reporting, & compliance at every level of an organization

#### The Committee of Sponsoring Organizations

American Accounting Association (AAA)

American Institute of Certified Public Accountants (AICPA)

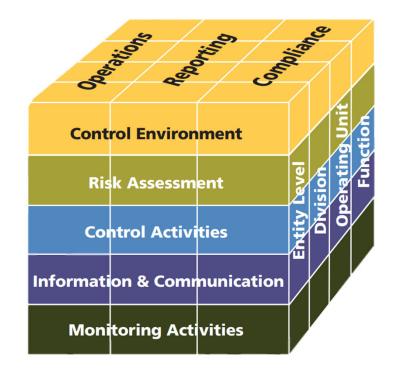
Financial Executives International (FEI)

The Institute of Internal Auditors (IIA)

The Institute of Management Accountants (IMA)

COSO Framework

The Committee of Sponsoring Organizations of the Treadway Commission (COSO) released <u>"Achieving Effective Internal Control Over Sustainability Reporting"</u> (ICSR) supplemental guidance to show how organizations should apply the existing COSO Internal Control-Integrated Framework (ICIF) to sustainable business activities & information.



#### The COSO CUBE

Source: The 2013 COSO Framework & SOX Compliance, COSO, 2013



## Internal Controls for ESG **Evaluating a System of Control**

#### A System of Control is effective when:

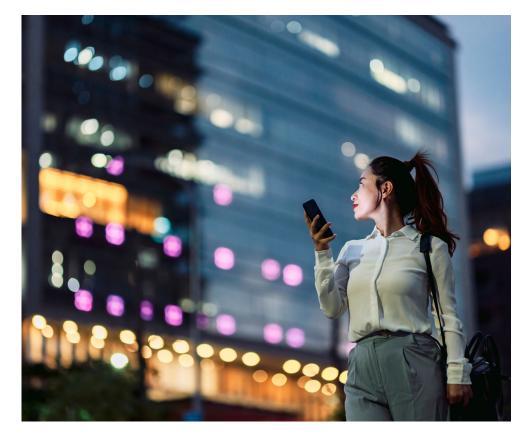
1. Each of the five components <u>and</u> all relevant principles are present and functioning.

**Present** – "components and relevant principles exist in the design and implementation of the system of control designed to achieve objectives"

**Functioning** – "components and relevant principles continue to exist in the conduct of the system of internal control designed to achieve objectives"

2. The five components are operating together in an integrated manner.

Present and Functioning = Design and Operating Effectiveness





## **Key Documents for Internal Control**

Document	Description	Value		
SOC (System & Organization Controls) Report Analysis	<ul> <li>Analyze SOC reports of vendors critical for ESG reporting         <ul> <li>To assess whether user entity internal controls are in place</li> <li>To gain comfort that the system is operating as expected</li> </ul> </li> <li>SOC 1 vs. SOC 2         <ul> <li>SOC 1 reports are focused on internal controls over financial data</li> <li>SOC 2 reports are focused on security, availability, processing integrity, confidentiality, &amp; privacy.</li> </ul> </li> <li>Type I vs. Type II         <ul> <li>Type I: Control design at a point in time</li> <li>Type II: Control effectiveness over a specific period of time</li> </ul> </li> </ul>	<ul> <li>Evaluates controls over ESG data</li> <li>Assesses service provider performance</li> </ul>		
Inventory Management Plan (IMP)	<ul> <li>This document is flexible &amp; includes:         <ul> <li>Boundary information</li> <li>Methodologies &amp; emission factor sources</li> <li>Data management, data collection, &amp; calculation procedures, including roles &amp; responsibilities</li> <li>Base year recalculation policy</li> <li>Assurance status</li> </ul> </li> </ul>	<ul> <li>Assists with accurate data reporting</li> <li>Establishes data collection procedures</li> <li>Promotes transparency of data</li> <li>Provides guidance to employees</li> </ul>		



## Internal Controls for ESG Organizational Boundary

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Selecting an organizational boundary & consistently adhering to it is essential for reporting. The GHG Protocol lists 3 types of organizational boundaries.

Organizational Boundary Type	Description	Advantages	٨
Financial Control	100% of operations activity that the entity has financial control over	This is the same boundary as financial accounting Financial control is the starting point for overall CSRD reporting Per ESRS 1: "The sustainability statement shall be for the same reporting undertaking as the financial statements. For example, if the reporting undertaking is a parent company required to prepare consolidated financial statements, the sustainability statement will be for the group." CDP gives you points if you use same boundary as financial accounting The SEC final climate rule requires financial control or an explanation of the difference	
Operational Control	100% of operations activity that the entity has operational control over	Popular under voluntary reporting Intuitive from the perspective of why measure what you can't control  An entity has operational control if it has full authority to introduce & implement operating policies.	
Equity Share	% of operations activity based on the entity's % of equity in the operation	This boundary is helpful if you have ownership percentages of partially owned entities, but don't have consolidation information from the financial accounting Intuitive from the perspective that this best reflects emissions of the organization's ownership	

#### Commonly Misunderstood Categories for Financial Control

ACCOUNTING CATEGORY	FINANCIAL ACCOUNTING DEFINITION	ACCOUNTING FOR GHG EMISSIONS ACCORDING TO GHG PROTOCOL CORPORATE STANDARD		
		BASED ON Equity share	BASED ON FINANCIAL CONTROL	
Group companies / subsidiaries	The parent company has the ability to direct the financial and operating policies of the company with a view to gaining economic benefits from its activities. Normally, this category also includes incorporated and non-incorporated joint ventures and partnerships over which the parent company has financial control. Group companies/subsidiaries are fully consolidated, which implies that 100 percent of the subsidiary's income, expenses, assets, and liabilities are taken into the parent company's profit and loss account and balance sheet, respectively. Where the parent's interest does not equal 100 percent, the consolidated profit and loss account and balance sheet shows a deduction for the profits and net assets belonging to minority owners.	Equity share of GHG emissions	100% of GHG emissions	
Associated / affiliated companies	The parent company has significant influence over the operating and financial policies of the company, but does not have financial control. Normally, this category also includes incorporated and non-incorporated joint ventures and partnerships over which the parent company has significant influence, but not financial control. Financial accounting applies the equity share method to associated/affiliated companies, which recognizes the parent company's share of the associate's profits and net assets.	Equity share of GHG emissions	0% of GHG emissions	
Non-incorporated joint ventures / partnerships / operations where partners have joint financial control	Joint ventures/partnerships/operations are proportionally consolidated, i.e., each partner accounts for their proportionate interest of the joint venture's income, expenses, assets, and liabilities.	Equity share of GHG emissions	Equity share of GHG emissions	

<sup>\*</sup>Emphasis added. Image sourced from GHG Protocol Corporate Standard & is based on a comparison of UK, US, Netherlands & International Financial Reporting Standards (KPMG, 2000). The full table includes "fixed asset investments" & "franchises".

I think it would be helpful for all of these categories to give examples or explain how this relates to the financial MF0 reporting perspective.

Frank, Melissa, 2024-12-23T18:10:50.932

SW0 0 Do you want to provide an example of what you are thinking? I added a note to cover this on the presentation.

We state that financial control is same as financial accounting, but not sure what we could discuss as the relation to financial reporting for operational control or equity share

Wilkerson, Steve, 2025-01-02T17:31:02.152

So as it relates to FASB, Financial control would include any entities for which the company consolidates either MF0 1 because it owns 100% or if it owns less than 100% it has determine that control is exerted (greater than 80% ownership or if less than 80% then likely determined to be a VIE and consolidated). Operational control I would akin under the financial model to equity method investment, the reporting entity has influence but not control and therefore does not consolidate. This would typically exclude entities where ownership is less than 20% as these it typically done under the old cost method. Frank, Melissa, 2025-01-02T20:49:04.349

SW0 2 Thanks for the information. I made some updates, including adding the last bullet on operational control and adding CSRD bullets for Financial Control. I also beefed up the talking points in the notes

The challenge of this presentation is that we are presenting to accountants and non-accountants. There is a lot of information here already. Will spend time explaining the overall idea of financial consolidation, but will assume that whether an entity is consolidated has already been determined for financial reporting purposes, and therefore don't need to cover consolidation rules here.

There are some differences between equity method investments and operational control, so will likely not emphasize this talking point.

Wilkerson, Steve, 2025-01-03T01:01:39.025

### **Selecting an Assurance Partner**

## Integrity, Objectivity, & Commitment to the Public Interest

- Commitment to professional ethics & independence requirements
- Obligation to safeguard the public interest
- Adherence to continuing professional education, specialized training, & quality control systems

## Independent Third Party/Structured Close & Restatement Processes

- CPA firm's opinion stands as a reliable assessment of the organization's sustainability information in accordance with the selected criteria
- Understanding of a structured close & restatement processes

#### In-Depth Knowledge of Business Operations, Internal Controls, & SOX Controls

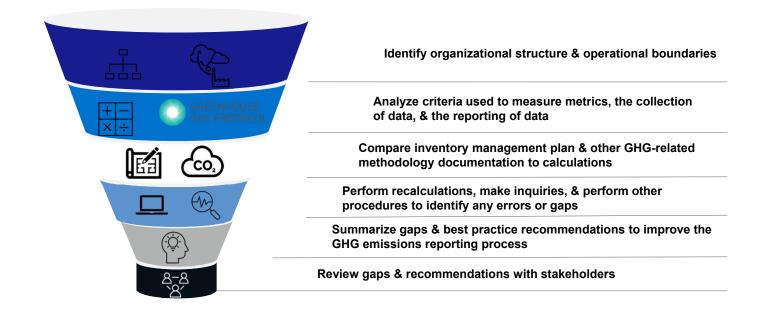
- Keen understanding of your business operations & internal controls, facilitating smoother ESG assurance engagements
- Identify potential improvements to enhance ESG reporting & align it with wellestablished frameworks like COSO

## Compliance With Attestation & Reporting Requirements

- Trends towards
   integrated reporting
   frameworks highlight
   ESG information
   increasingly being
   included in financial
   statements
- Following recognized standards, such as AICPA's attestation standards, CPA firms provide comprehensive & consistent ESG assurance



### **Assurance Readiness Assessment of GHG Emissions**





## **Purpose of ESG Assurance Readiness**





**CSRD** Implications



## Corporate Sustainability Reporting Directive (CSRD) What is the CSRD?

The Corporate Sustainability Reporting Directive ('CSRD') is EU law which requires large & listed companies to publish reports on the environmental & social risks, impacts, & opportunities that they face.

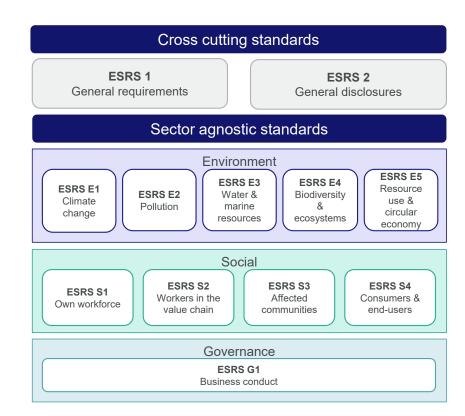
The CSRD came into force in January 2023 & currently applies to the following:

- Companies listed on regulated markets in the EU (apart from listed micro-enterprises), & large companies. The CSRD classifies a large company as one that meets two out of three of the following criteria:
  - · more than 250 employees
  - net turnover of over €50 million
  - over €25m total assets
- Listed SMEs
- Non-EU companies with a net turnover of €150 million in the EU, & with at least one subsidiary (large entity or listed SME) or branch (net turnover > €40m) located in the EU



## Corporate Sustainability Reporting Directive (CSRD) **European Sustainability Reporting Standards (ESRS)**

- The European Sustainability Reporting Standards (ESRS) provide the reporting framework for the CSRD. They are comparable to reporting frameworks such as IFRS or US GAAP for financial reporting & carry a similar degree of complexity.
- The first set of 12 sector agnostic standards were adopted by the European Commission on July 31, 2023.
- For EU companies, the sustainability statement must be contained within the management report in a prescribed format with ESEF XBRL tagging.
- The sustainability statement must include disclosures on areas including
  - **Governance:** What process, controls, & procedures are used to monitor, manage, & oversee sustainability matters?
  - Strategy & business model (SBM): How does the business model & value chain interact with, or influence, sustainability matters? How are stakeholders' views & interests taken into account in the SBM?
  - Impact, risk, & opportunity (IRO) management: How are material IROs identified & managed?
  - Policies, actions, & targets (PATs): What is in place & how does this support the effectiveness of addressing material IROs?





## Corporate Sustainability Reporting Directive (CSRD)

## **Developments in Assurance**

CSRD will bring changes to the minimum level of assurance required over sustainability reporting

All entities in the CSRD scope are under scope of assurance as well.

## Non-Financial Reporting Directive (NFRD)

Wher

#### Current

- No assurance required in the directive
- Minimum requirement: check whether non-financial information (NFI) has been provided

ISA 720:

THE AUDITOR'S RESPONSIBILITIES RELATING TO OTHER INFORMATION

**CSRD** 

## **At implementation date** of Sustainability Reporting requirements

- Limited assurance is required over:
  - Compliance with the reporting standards (ESRS)
- Prior-year figures in first-year assurance do not need to be assured

**CSRD** 

#### FY 2029

 Reasonable assurance is possibly required. Decided after assessment of the feasibility of reasonable assurance for auditors & entities



## Corporate Sustainability Reporting Directive (CSRD) What is Assured?

Assurance is required over the following elements of the CSRD:

- 1) Double Materiality Assessment (DMA) process
- 2) Sustainability Disclosures
- 3) EU Taxonomy
- 4) ESEG Tagging (no guidance yet on how this will be assured)

In regard to DMA assurance – advisable to do private pre-assurance to check that the process will stand up to assurance



### Contact

#### **Forvis Mazars**



Nate White
Director
nate.white@us.forvismazars.com



Michelle Olckers
Partner
michelle.olckers@mazars.co.uk



**Steve Wilkerson**Senior Manager
steve.wilkerson@us.forvismazars.com

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