

GHG Emission Verification

A presentation to the ETS Meeting - Iceland

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BSI in Iceland – since 2005

Service overview

- Management system audits (ISO9001, ISO14001, OHSAS18001...)
- Verification services
- Inspections
- Training service



Outline

- What is verification?
- Verification standards
- Verification process
- Preparing for Verification
- Questions?

What is Verification?

- Mandatory requirement of the Emissions Trading Scheme
- Verification approach varies between Member States
- Phase III Regulation for verification
 - UK Experience follows existing Monitoring and reporting guidelines
- Conducted by accredited verification bodies
- Objective

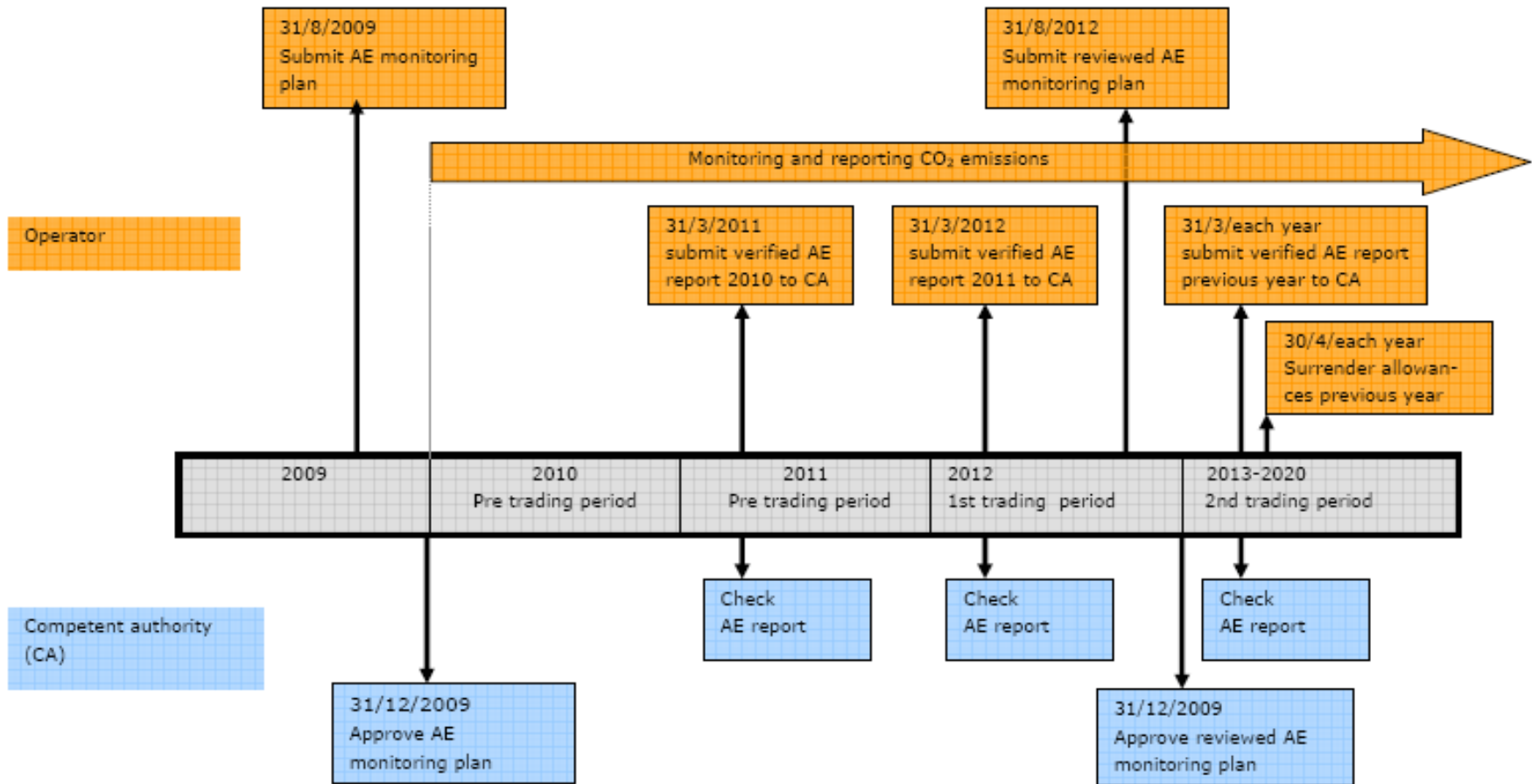
“To ensure that emissions have been monitored in accordance with the guidelines and that reliable and correct emissions data will be reported..”

What is the purpose of Verification?

“A verification body shall come to a verification opinion that states with reasonable assurance whether the data in the emissions report is free from material misstatements and whether there are no material non-conformities”

1. Verified
2. Verified with Comment
3. Not verified
 - Operator can not make further transfers of allowances until a satisfactory report is submitted to Competent Authority.
 - Operator will be penalised - Financially

When is verification performed?



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Source – Environment Agency UK

Verification Standards

- EU ET Directive – 2003/87/EC
- EU ETS Monitoring and Reporting Regulation (Phase III).
- Competent Authority guidance (UST)
- Accreditation requirements
 - European Accreditation body guidance EA-6/03
 - ISO 14065
 - United Kingdom Accreditation Service (UKAS) requirements

Monitoring and Reporting Guidelines v Regulation

31.8.2007 EN Official Journal of the European Union L 229/1

II

(Acts adopted under the EC Treaty/Euratom Treaty whose publication is not obligatory)

DECISIONS

COMMISSION

COMMISSION DECISION


of 18 July 2007

establishing guidelines for the monitoring and reporting of greenhouse gas emissions pursuant to Directive 2003/87/EC of the European Parliament and of the Council

(notified under document number C(2007) 3416)

(Text with EEA relevance)

(2007/589/EC)

 EUROPEAN COMMISSION

XXX
...[...]

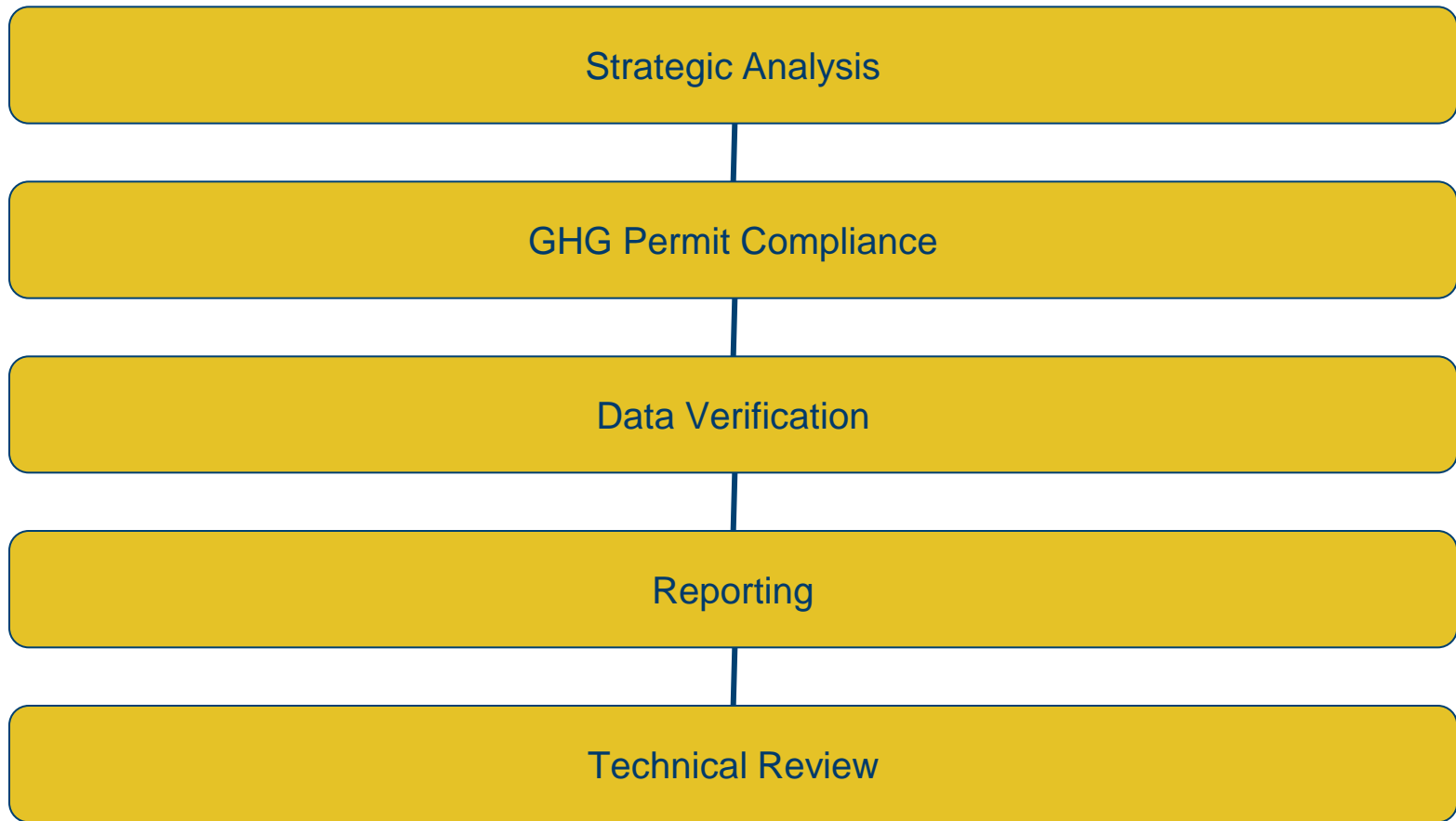
COMMISSION REGULATION (EU) No .../..

of XXX

on the monitoring and reporting of greenhouse gas emissions pursuant to Directive 2003/87/EC of the European Parliament and of the Council

(Text with EEA relevance)

Verification Process



Verification v Management Systems

- Completeness
- Consistency
- Transparency
- Trueness (previously Accuracy)
- Materiality
- Faithfulness
- Improvement in Performance in M&R Emissions

Lessons Learnt from UK Verifiers

- Insufficient operator and verification resources - start early
- Timescales tight – 31st March deadline
- Data was not collected in accordance with the rules / planned arrangements
- Use of the incorrect conversion factors
- Metering Accuracies
- Transparency of audit trail
- Few documented procedures / Poor Management System
- Poor management of change
- Lack of appreciation for the legal penalties

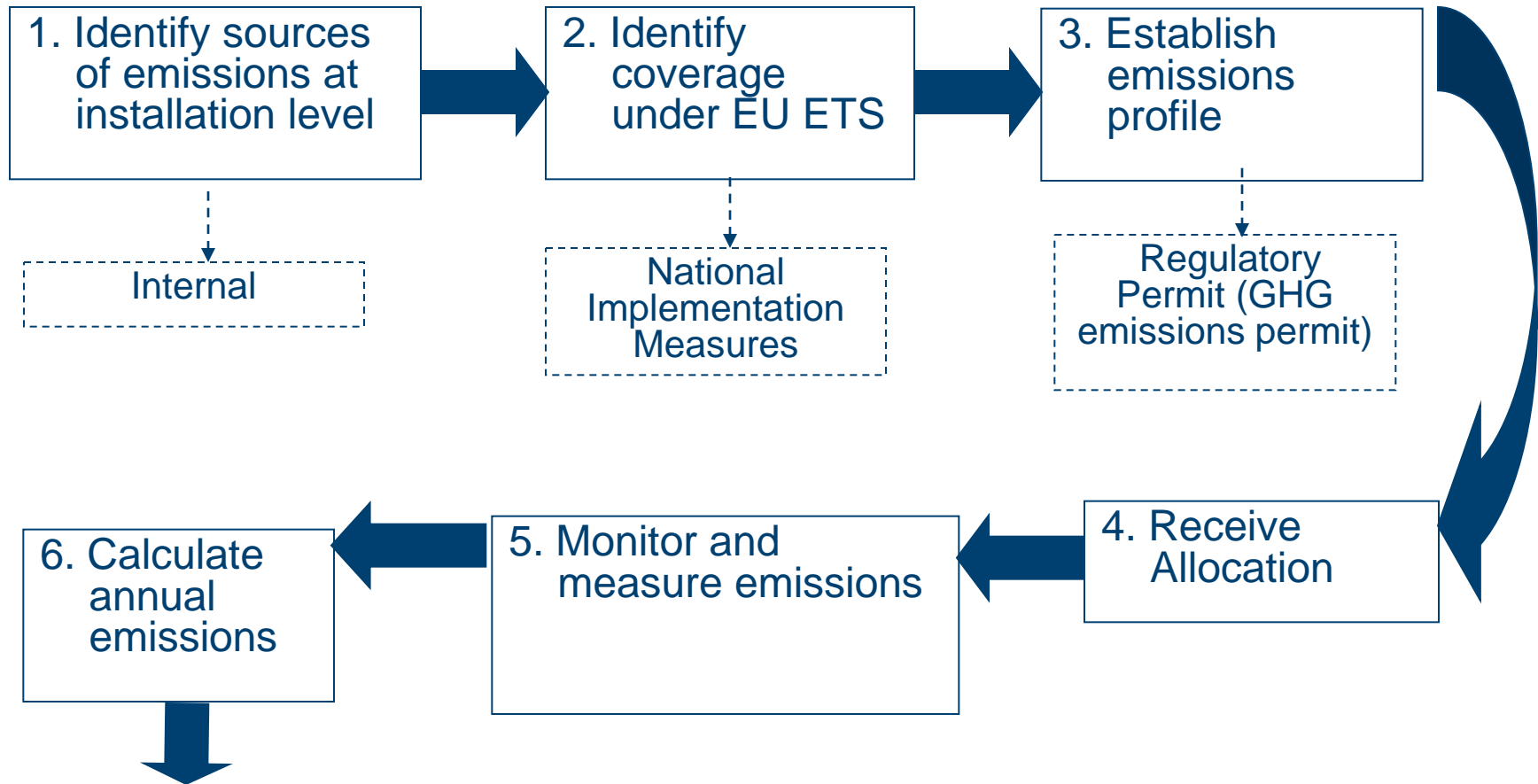
Preparing for Verification

- Understand and comply with the ALL requirements of phase III Monitoring and reporting regulation.
- Establish a control system to manage data, measuring equipment etc e.g. ISO14001
- Manage changes e.g. changes to equipment, personnel etc
- Establish defined roles and responsibilities
- Ensure personnel involved are competent and trained
- Audit compliance
- Start verification process early

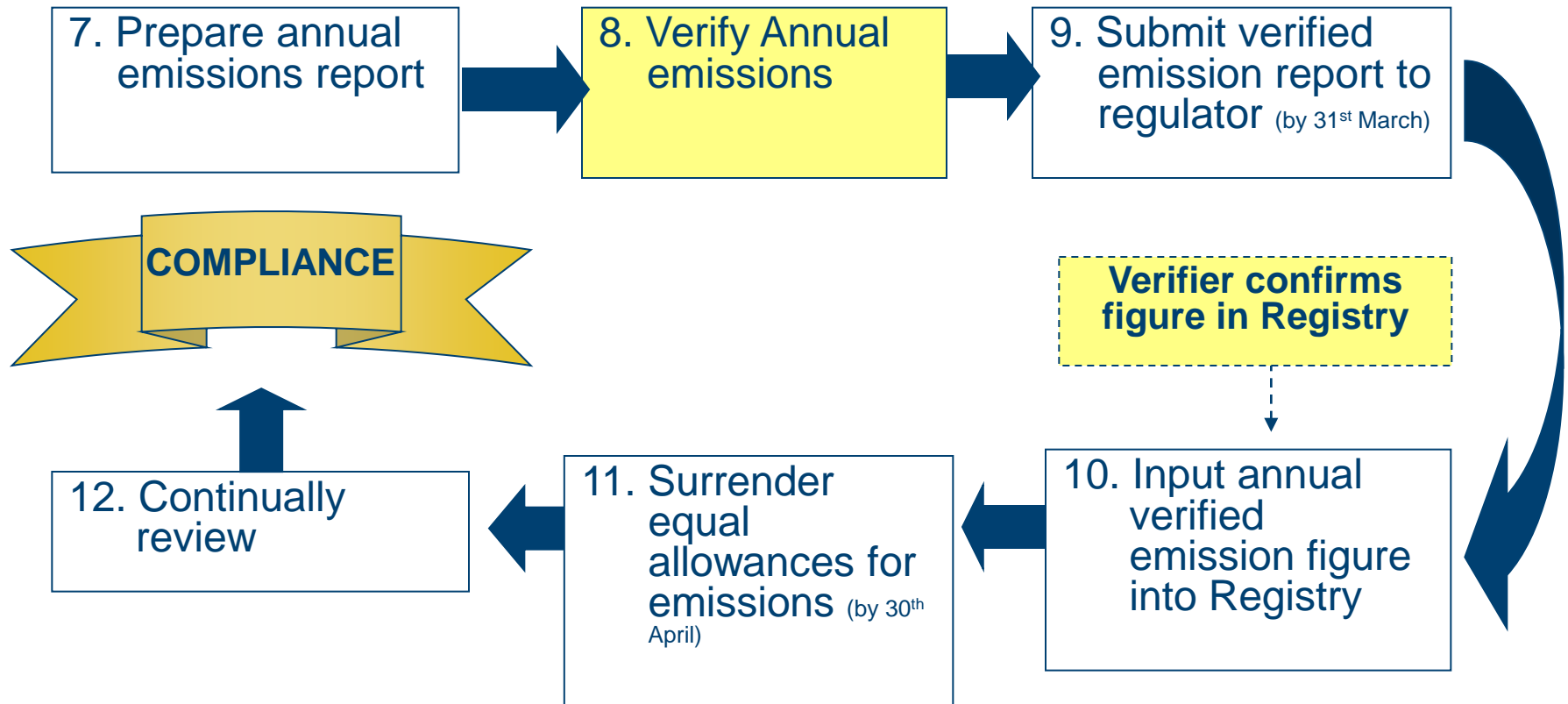
Preparing data:

- Measure and manage data in accordance with rules
- Transparent data collection and transfer
- Accuracy of data transfer
- Manage meter calibration, maintenance and accuracy
- Record keeping (10 years)
- Implement arrangements for data checking and audit
- Ensure consistent approach to data collection

Preparing for Phase III



Managing & Reporting Emissions



The way ahead

Prepare for Phase III now

Identify Phase III monitoring requirements

Implement management and control systems

BSI can support you throughout:
GAP Analysis / Training / Verification

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