

# Verification Forum

## Best Practices Report .\*

19 November, 2008

Jeroen Kruijd

Machtelt Oudenes



\*connectedthinking

## Objective best practice report

Assemble best practices on verification and accreditation from Member States

Share best practices with other MS and increase knowledge

MS best practices useful practical tools for other MS → learn from each other

Input in working papers in Draft verification guidance note project

# Sources

## National legislation MS

### Information from MS:

- United Kingdom
- The Netherlands
- Germany
- Austria
- Italy
- Spain
- Finland
- Belgium
- Portugal
- Czech Republic
- Hungary
- Slovenia

Western Climate Initiative (US/ Canada)

US

New Zealand

Australia

**EA:** EA 6/03, Multilateral Agreement, EA 6/02, BP guide on communication

## EU legislation

- 8th Company Law Directive
- Accreditation Regulation
- EMAS Regulation
- Proposed revision EU ETS Directive

IMPEL report 2007

IETA verification Protocol

GhG Protocol (incl Handbook for ETSs)

ISAE 3000

ISO 17011

ISO 14064-1/ISO 14064-3

ISO 14065/ 14066

# Best Practices Report – Monitoring and Reporting

IMPEL Guidance note	Explanation sections MRG 2007 (uncertainty analysis, section 10 MRG, MP content, unreasonable costs)
Templates MP (IT and paper)	Paper (NL, Spain, Belgium) IT (Fi, De, Ge and UK)
Guidance CO2 monitoring	NL, Ge and Sweden
Validation checklist for MP	NL
AER and notification templates	Especially IT templates → XETL

# Best Practices Report – Verification

Guidance on verification	EA 6/03 and UK, Austria, Spain and Germany → input in WPs
Verification protocols	IETA, NL and Western Climate Initiative (USA)
Checklists	AU (verification programme) FI (key performance indicators) UK, GE and Fi (review AER and VR by CA)
Calculation method for time allocation (man day method)	Portugal
Verification report Template	UK, Austria, Spain, Denmark and Finland, Germany
Exams	Spain and Portugal

## Best Practices Report – Accreditation

EA	Current Peer evaluation process Communication AB and CA
ISO 17011	General standard on accreditation
Checklists on accreditation	Different checklists (NL and Spain)
Accreditation guidance	UKAS, Czech republic, New South Wales, Climate Registry of Western Climate Initiative

## Best Practices Report – Other best practices

Guidance on inspection and enforcement in other EU legislation	IPPC and Seveso Directive
Imposing automatic penalties	USA → recommendation in ICAP
Conditions for mutual acceptance foreign verifiers	EMAS Directive, 8th Company Directive and Services Directive
Developing XETL and common templates/ procedures	MUD in ETSWAP

## Recommendations - how to utilise best practices further

Share information on websites

Discuss BP in Verification and Accreditation forum

Use to improve on Working Papers

Exchange under ICAP

Test in your own MS

Develop useful BP further

## Example best practice during Compliance Conference - UK improvement report (continuous improvement)

Item	Verifier's comments	Comment type	Operator response	Proposed date for improvement
e.g. 1	<i>Although not considered of material impact, a meter (Ref. 1xyx) is being used to monitor source stream S1, when the meter approved under the operator's monitoring plan (Ref 1abc) is taken off-line for maintenance</i>	<i>Non-Material Non-Conformity</i>	<i>We have now notified the Competent Authority (24/04/2008) of a change to our monitoring plants to include this meter (Ref 1xyz)</i>	<i>N/A, corrected 24/04/08</i>

See Environment Agency EU ETS web-site:

<http://www.environment-agency.gov.uk/emissionstrading/>

under “Forms and Guidance”: ETS 5 and ETS 6

Conclusion Compliance Conference → useful practical tool to meet MRG

# Example best practice during Compliance Conference – Portuguese man day method → working paper III

Cálculo para a duração da verificação CELE



Tabela 1

Factors A e B (QT)	Measured value of factor A	Measured value of factor B
1	1	1
1 a 2	2	3
3 a 6	3	5
7 a 10	4	10
>10	5	25
		0

Table 3

Factor D	Measured Value
Nível 1	2
Nível 2a	4
Nível 2b	6
Nível 3a	10
Nível 3b	18
Nível 4a	25
Nível 4b	35

Factors to be consider:  
 A- Number of emission sources (table 1);  
 B - Number of fuels (table 1);  
 C - type of installations (table 2);  
 D - Monitoring level (table 3). the value to be consider shall be the highest level indicated in the permit;  
 E - Confidance on the structure of data collection of the instalation (table 4);  
 F - type of fuel (table 5);

Table 2

Factor C - Instalações por valores anuais de emissão
small instalation (< de 50.000 ton CO <sub>2</sub> /ano)
medium size instalation - Natural Gas (>= 50.000 e < 500.000 ton CO <sub>2</sub> /ano)
medium size instalation (>= 50.000 e < 500.000 ton CO <sub>2</sub> /ano)
CO <sub>2</sub> /ano)
Big instalations (>=500.000 ton CO <sub>2</sub> /ano)
Refineries with "flares",crakers" and destillation units (>=500.000 ton CO <sub>2</sub> /ano)

Table 4

Factor E - Confidance on data system sructure of the operator
high confidance
parcial confidance
low confidance

Table 6. Nº of days = table1+ table 2+table 3+ table 4+ table 5

Measured values	7-15	16-37	38-55	56-75	76-100	>100
Days	1	2-3	4-5	6-7	8-9	10
Calculation						

Nota: o número de dias por verificador.

Table 5

Factor F - type of fuels
Natural gas or biomass
Liquid fuels + biomass ou natural gal
Combination (between liquid, solid or gas fuels)
Other combinations (fuels generated internally or bought in the exterior)

# Your worlds, our people

Machtelt Oudenes

+ 31 6 1038 0782

[machtelt.oudenes@nl.pwc.com](mailto:machtelt.oudenes@nl.pwc.com)

