



EU-China CDM Facilitation Project Workshop on Verification

Verification Report including Protocol

Beijing

March 4th – 5th, 2008

Günter **Schock**
TÜV Rheinland Group



EU China CDM Facilitation Project

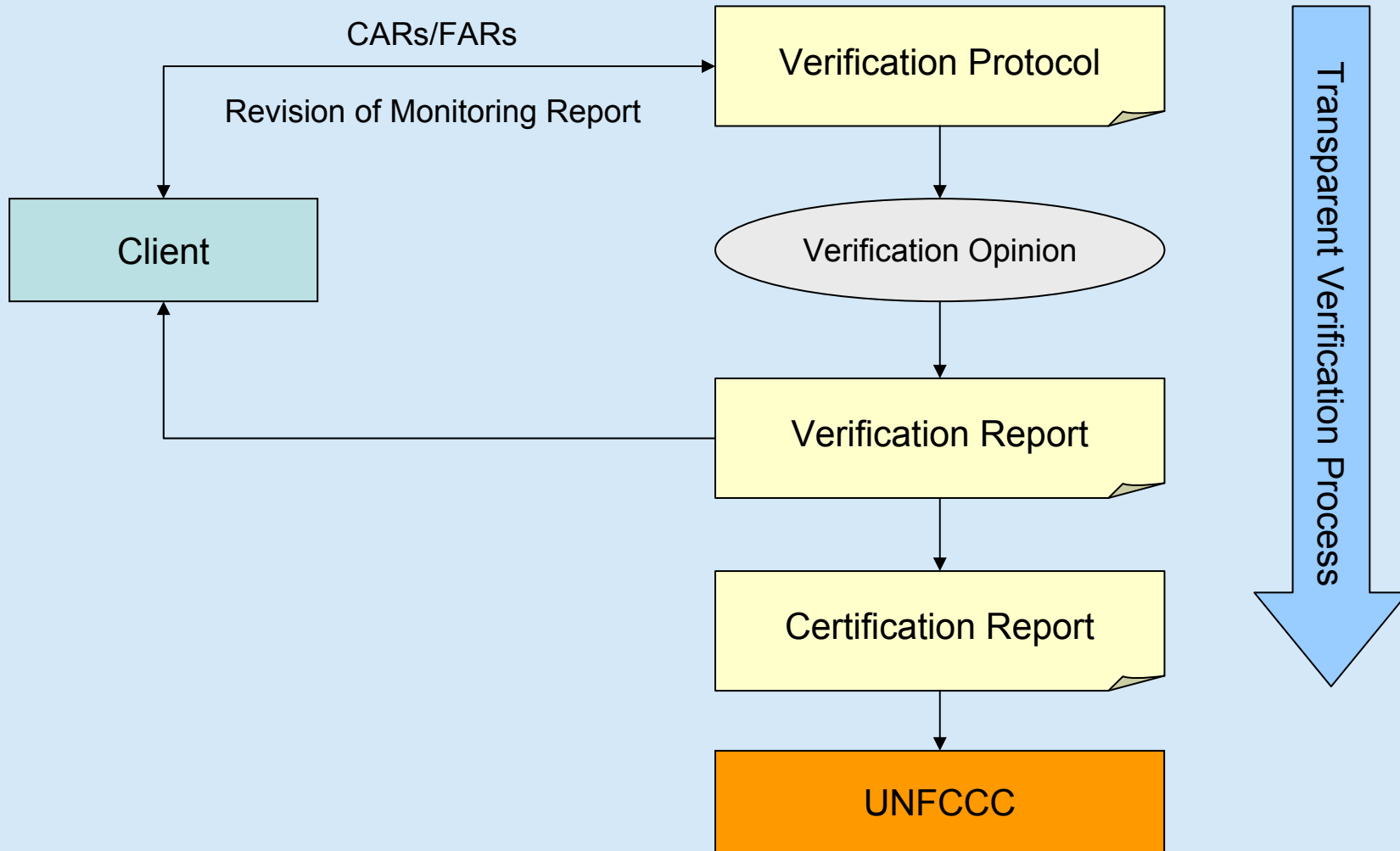


▶ Contents

- Introduction
- UNFCCC Requirements
- IETA Templates
- Summary



► Introduction



► Contents

- Introduction
- UNFCCC Requirements
- IETA Templates
- Summary



▶ UNFCCC Requirements

No formal UNFCCC requirements according to documentation

- No mandatory format of Verification Protocol
- No mandatory format of Verification Report

Common Practise

- DOEs have developed their own templates (e.g. TÜV, DNV and SGS)
- IETA has provided a report and protocol template



► Contents

- Introduction
- UNFCCC Requirements
- **IETA Templates**
- Summary



▶ IETA Templates

Available on IETA Web-site <http://www.ieta.org>  Search: “Verification”

- [Initial Verification Checklist Template, Version 3.0](#) (Protocol)
- [Initial Verification Report Template, Version 3.0](#)
- [Periodic Verification Checklist Template, Version 3.0](#) (Protocol)
- [Periodic Verification Report Template, Version 3.0](#)



► Structure of Initial Verification Protocol (IETA Template)

Objectives	Reference	Comments	Conclusion
A. Opening Session			
B. Open issues indicated in validation report			
C. Implementation of the project			
D. Internal Data			
E. External Data			
F. Environmental and Social Indicators			
G. Management and Operational System			

↑
PDD
Validation Report
Monitoring Report
etc.

↑
Verifier's
Opinion

↑
CARs
FARs

CARs - Corrective Action Requests
FARs - Forward Action Requests



▶ Structure of Initial Verification Report (IETA Template)

1. INTRODUCTION

- 1.1 Objective
- 1.2 Scope
- 1.3 GHG Project Description

2. METHODOLOGY

3. INITIAL VERIFICATION FINDINGS

- 3.1 Remaining issues, CARs, FARs from previous validation
- 3.2 Project Implementation
- 3.3 External data
- 3.4 Environmental and Social Indicators
- 3.5 Management and Operational System

4. INITIAL VERIFICATION STATEMENT

5. REFERENCES



► Structure of Periodic Verification Protocol (IETA Template)

Table 1: Data Management System/Controls

Verifier can use this table to identify reporting risks:

Expectation for GHG data management system/controls	Score	Verifiers Comments
1. Defined organisational structure, responsibilities and competencies		
2. Conformance with monitoring plan		
3. Application of GHG determination methods		
4. Identification of key parameters		
5. GHG Calculations		

↑
Full
Partial
Limited

↑
CAR
FAR

Full - All best-practice expectations are implemented.

Partial - A proportion of the best practice expectations is implemented.

Limited - This should be given if little or none of the system component is in place.

► Structure of Periodic Verification Protocol (IETA Template)

Table 2: GHG calculation procedures and management control testing

Identification of potential reporting risk	Identification, assessment and testing of management controls	Areas of residual risks
1	2	3

Table 3: Detailed audit testing of residual risk and random testing

Conclusion and areas requiring improvement	Additional verification testing performed	Areas of residual risks
5	4	3



Risk-based Approach



► Structure of Periodic Verification Report

1. INTRODUCTION

- 1.1 Objective
- 1.2 Scope
- 1.3 Description of the Project Activity

2. METHODOLOGY

- 2.1 Review of Documentation
- 2.2 Site Visits
- 2.3 Assessment
- 2.4 Reporting of Findings

3. INITIAL VERIFICATION FINDINGS

- 3.1 Remaining issues, CARs, FARs from previous validation or verification
- 3.2 Project Implementation
- 3.3 Completeness of Monitoring
- 3.4 Accuracy of Emission Reduction Calculations
- 3.5 Quality of Evidence to Determine Emission Reductions
- 3.6 Management System and Quality Assurance

4. PROJECT SCORECARD

5. VERIFICATION STATEMENT

6. REFERENCES

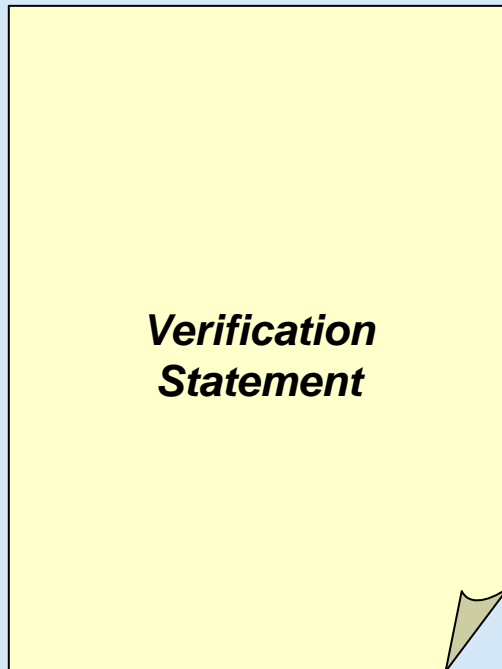


▶ Project Scorecard

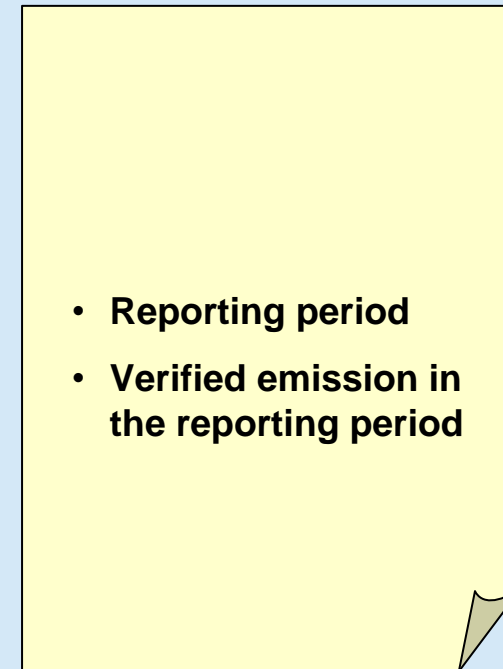
Risk Areas		Conclusions			Summary findings & comments	Errors / Discounted Uncertainty Tonnes
		Baseline Emission	Project Emission	Calculated Emission Reductions		
Completeness	Source coverage/boundary definition	✓	✓	✓		
Accuracy	Physical Measurement and Analysis	✓	✓	✓		
	Data calculations	✓	✓	✓		
	Data management & reporting	✓	✓	✓		
Consistency	Changes in the project	✓	✓	✓		

► Certification Report

Verification Report



Certification Report



► Contents

- Introduction
- UNFCCC Requirements
- IETA Templates
- Summary



