


## How to Validate and Verify Voluntary GHG Emission Reduction Project

**28 September 2010**  
Ayutthaya 3-4 Room, 3rd Floor, Century Park Hotel, Bangkok





CDM Pitfalls and Obstacles: N.VASASMITH 19/08/2010 1



## TÜV NORD CERT – Scope of Services


- **Product Certification**
  - Technical equipment, Consumer goods
  - Medical products, Biological safety
  - Explosion proof-devices, pressure equipment
- **System Certification**
  - Quality Management (e.g. ISO 9001)
  - Environmental Management (ISO 14001 & EMAS)
  - Occupational Health and Safety Management
  - Integrated Systems
- **Others**
  - Climate Change and Carbon Service
    - CDM
    - VCS, Gold Standard, WCD
    - ISO 14064 Part I & II
    - GHG Protocol
    - Carbon Footprint
    - Carbon Neutral Certification: Event, Product and Company
  - Educational Institutions

**TÜV NORD Branches with JI / CDM Competence** 



Headquarter Essen, Germany  
Praha, Czech Republic  
Athen, Greece  
Bombay, India  
Delhi, India  
Beijing, China  
Shanghai, China  
Hong Kong  
Bangkok, Thailand  
Kuala Lumpur, Malaysia  
Jakarta, Indonesia  
Sao Paulo, Brazil

Approx. 40 qualified experts und assessors are working in the field of Climate Protection in Thailand, India, Brazil, China and other countries all over the world.

**Content** 


- 1 Objective
- 2 Rules
- 3 Main Differences from CDM

**1 Objective**


### VCS Objective

The Voluntary Carbon Standard Program has been developed to provide a rigorous, trustworthy and innovative global standard for voluntary greenhouse gas offsets.



**2 Rules**



### Rules

- Methodology: all methodologies of any approved GHG programm, for example CDM
- Project must ensure that no double counting within another GHG-Programm occurs.
- A project can be validated under VCS when it was rejected by another GHG-program (this rule is not inline with TÜV NORD internal standard)
- No forewarded crediting possible. Only GHG emission reductions that have already been occured can be verified, the project **MUST** be commissioning

### 3 Main differences to CDM

#### Starting date:

VCS Version 1		VCS 2007.1	
Validation		Validation	
Contracting before	19th November 2007	Validation possible since	18th November 2008
Validation completed by	19th May 2008	<b>Project start</b> not before	1st January 2002
		Start of <b>1st crediting period</b> not before	28th March 2006
		Validation must be completed within two years of <b>project start</b> or completed or contracted before	19th November 2008
		Validation contracts entered before 19th November 2008 shall be completed until	19th November 2009*
			*proof of contract to be provided
Verification		Verification	
Contract for one specific monitoring period before	19th November 2007	No special requirements or deadlines!	
Future monitoring periods are grandfathered to	VCS 2007.1		



### 3 Main differences to CDM

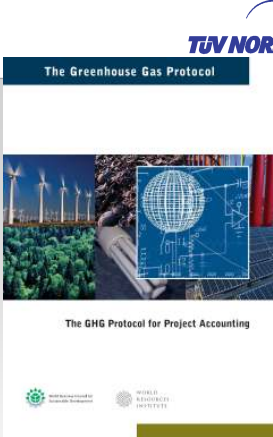
#### Additionality:


Additionality shall be demonstrated via


Test 1 „The Project Test“, or  
Test 2 „The Performance Test“, or  
Test 3 „Thechnology test“

as described in the VCS Standard.

**Test 1 contains Common Practice:**  
To demonstrate that the project is not common practice the  
“Guidance in the GHG Protocol for Project accounting”,  
Chapter 7 is to use.



Content	
<b>1 VCSA Validator Verifier Agreement</b>	
<b>2 VCS Issuance – Role of a Verifier</b>	
<b>3 VCS Project Verification as Pre-CDM</b>	
<b>4 Double Approval Process</b>	
<b>5 Proposal</b>	

1 VCSA Validator Verifier Agreement	
<b>Validator and Verifier</b>	
<ul style="list-style-type: none"><li>▪ All validators and verifiers (TNC) must sign the VCS validation and verification agreement with the VCS Association.</li><li>▪ The parties of the agreement (TNC and VCSA) are not allowed to transfer this agreement (rights, obligations) to any third party without the prior written consent of the other Party (TNC or VCSA).</li></ul>	

## 1 VCSA Validator Verifier Agreement



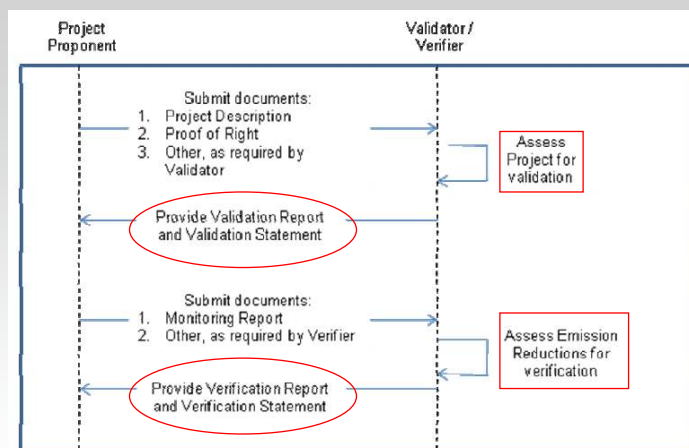
### Content of the Agreement

- **Obligations and Rights:**
- The accredited entity (TÜV NORD CERT GmbH) is accredited under VCSA for a period of 3 years starting from the date of this agreement (from April 2009 to April 2012).
- When TÜV NORD CERT GmbH is suspended by the GHG Program under which it has been accredited (JI/CDM), its VCS accreditation is automatically suspended, too.
- TÜV NORD CERT GmbH is reliable for all VCUs which have been issued in error as a result of negligence (carelessness) or fraud (falsification).

## 2 VCU Issuance – Role of a Verifier




### Workflow



Source: VCS Project Registration and VCU Issuance Process

## 2 VCU Issuance – Role of a Verifier



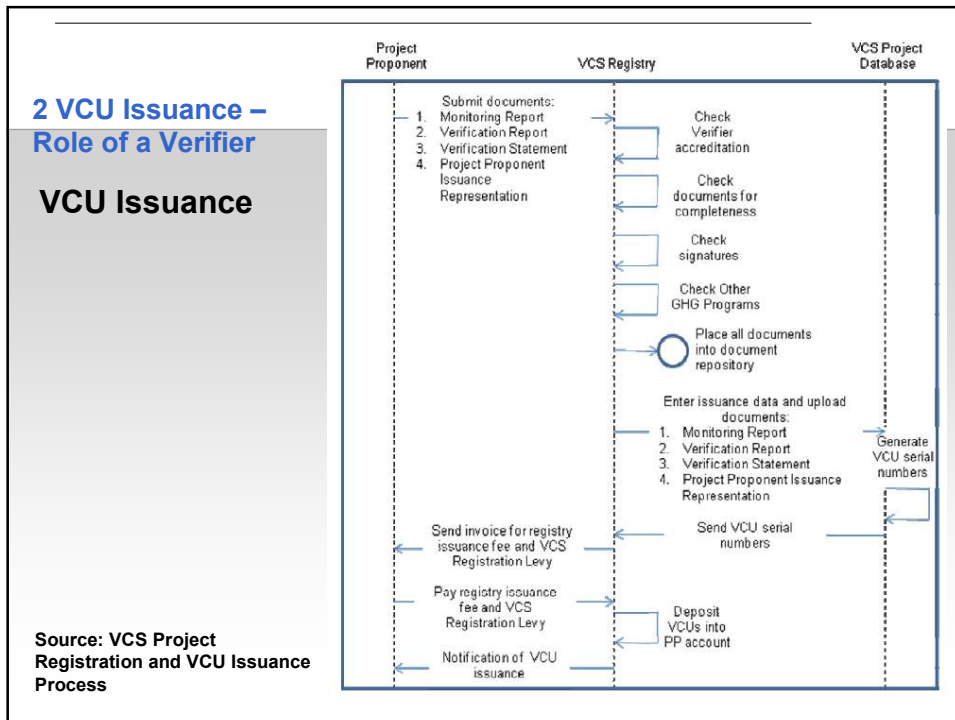
### Validation/Verification Statement

The Validation or Verification statement is the confirmation of the verifier/validator that the project is in compliance with the VCSA rules.


- It can be part of the Val/Ver Report
- It can be a separate document of the Val/Ver Report
- It can be **digital** or **original**

The Validator defines how to prepare the statement!

Source: VCS Project Registration and VCU Issuance Process




## 2 VCU Issuance – Role of a Verifier




### Procedure when project fail to comply with registartion requirements

- a) VSCA informs project proponent about reasons for failour.
- b) If requested by PP return of documents and identification of mistakes
- c) The project will be set as cancelled in the VCS Project Database
- d) The PP can adjust any Project documents and re-submit them to the VCS Registry administrator.


**Here the validator may come back into the play!**

Source: VCS Project Registration and VCU Issuance Process

## 3 VCS Project as Pre-CDM



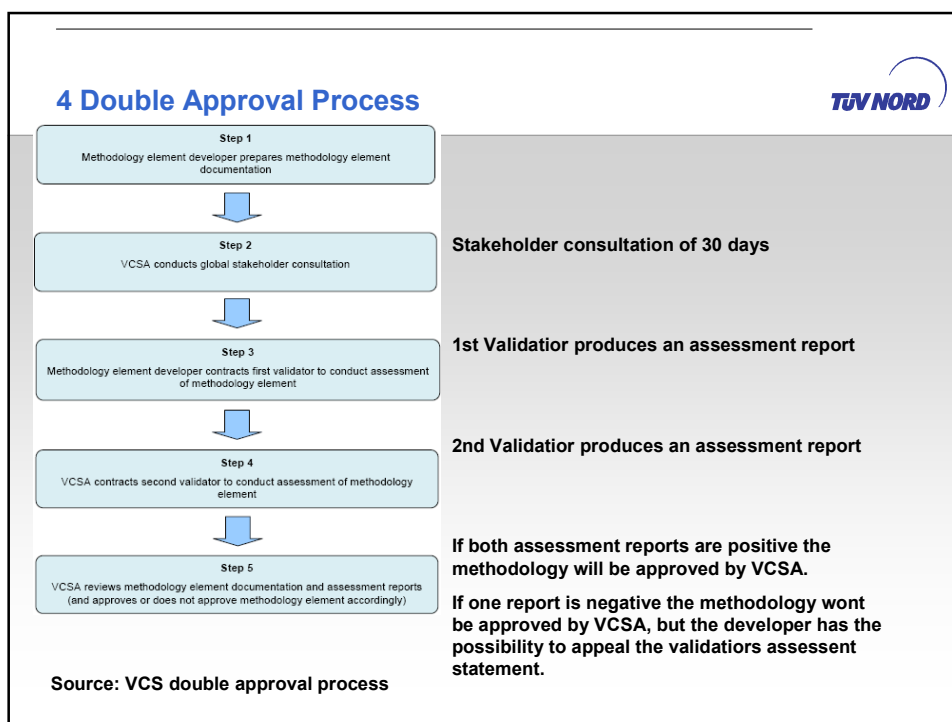
### Procedure of a VCS project verified as a Pre-CDM project activity

- 1) A supplementary Validation on the chapters 1.12, 1.13, 1.14, 8.1 and 8.2 of the VCS PD needs to be carried out.
 

Output PP: VCS PD with the above mentionned chapters to be provided.

Output DOE: Supplementary Validation Report
- 2) Verification of the pre-CDM Monitoring period using the monitoring report and the CDM-PPD.
  - starting date of the project (VCS rules)
  - end of monitoring period (last day before registartion under CDM – no overlapping!)
  - is monitoring carried out as described in the MP of the PDD







**5 Proposal of VCSA**

**Proposal for Inclusion of Ozone Depleting Substances under the VCS Program**

The scope of the VCS Program includes only the six Kyoto Protocol greenhouse gases (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>). Now VCSA published a proposal, open for stakeholder consultation, to extend these gases by the following gases listed in the Montreal Protocol:

- 1) Chlorofluorocarbons (CFCs)
- 2) Halons
- 3) Other fully halogenated CFCs
- 4) Carbon tetrachloride
- 5) Methyl chloroform
- 6) Hydrochlorofluorocarbons (HCFCs)
- 7) Methyl bromide
- 8) Bromochloromethane

**Source: Proposal for Inclusion of Ozone Depleting Substances under the VCS Program**



**Thank you for your kind attention**

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