QA/QC and Verification Operation at the Facility in China

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Content

1. Overview of verification program in China
2. Legal and institutional set up
3. QA/QC and Verification operations in facilities
4. Third party accreditation program
1. Overview of verification program in the pilots

National Scheme

• To be developed

Pilot Scheme

• Guideline/Regulation released (except for Tianjin)
• Accredited certain verifiers
• Completed historic and annual verification
2. Legal and institutional set up

- Types of rules and regulation
  - Regulation of third-party verifier accreditation
  - Guidelines on GHG emission verification
- Institutional set up
3. Quality assurance and control

- QA/QC requirements set out in GHG reporting guideline

**Core measures:**
- Data management system
- Dedicated personnel/department

**Supplemented measures:**
- Trainings
- Uncertainty analysis
- Internal review
3. Quality assurance and control

Data management

- Establish data management mechanism for monitoring, data collection and acquisition
- Measures for data missing and change in activity
- Norms for data archive
- Standards for equipment calibration
3. Quality assurance and control

Dedicated personnel/department

- Specify designated department for GHG emission data management
- Specify designated personnel for GHG emission data management
- Establish relevant norms and standards
- Clarify duty and responsibility of staff
3. Verification operations in facilities
Preparation phase

 Verification agreement

- Feasibility assessment according to qualification, conflict of interest
- Confirm scope, standards, team members, budget, confidentiality, etc.

 Organize verification team

- Consists of 2 or more professionals
- Right qualification: sector knowledge, able to identify boundary and sources, familiar with GHG quantification
Implementation phase

Desk review, include but not limited to
- Business license
- Process flowchart
- Energy balance sheet
- Energy audit report

Onsite visit (Sampling by $\sqrt{N}$)
- Review supplemental materials and evidence
- Interview with relevant staff
- Check installations and measuring equipment
- Inform companies about findings and non-conformities
3. Verification operations in facilities

Report writing phase

- Report writing
  - Process of verification
  - Emission calculation
  - Verification Result
- Internal peer review and submission
- Record keeping
  - Agreement
  - Record of communication
  - Evidence
  - Reports
## 4. Third party accreditation program

Verifying by: Third Party Verifiers

Funding by: DRC

<table>
<thead>
<tr>
<th>Pilots</th>
<th>Number of verifiers</th>
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</thead>
<tbody>
<tr>
<td>Beijing</td>
<td>15</td>
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<td>Tianjin</td>
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Thank You

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