Interaction between GHG and Transaction Registries in Market Mechanisms in China

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Content

1. Type of GHG data management infrastructure
2. Reporting system and transaction registry
3. Data inputs received by the transaction registry
1. Type of GHG data management infrastructure

- **Type 1: National and provincial GHG inventory**
  - Provincial: Standard Format

- **Type 2: National Reporting and pilot ETS**
  - National: In progress
  - Provincial: complete management infrastructure

Transaction Registry
2. Management tools in the emission trading

- **Transaction Registry** is the tool of recording state and process of the allowances creation, possession, transfer, surrender, and retire etc.

- **Trading platform** is the tool for performing trading transactions

- **Reporting system** is the tool of reporting and recording emission data
2. Relationship between different tools

- Transaction Registry is the core of carbon emission trading.
- Transaction Registry obtains emissions data from reporting system in order to complete the compliance procedure.
2. Further issues to be considered

- **Linking transaction registries**
  - National and pilot: CCER, no direct linkage (offline)
  - National and other countries: Consideration in the technical perspective

- **managing vintages of units/allowance**
  - Designed in the database
  - CCER: currently no limit
  - Allowances: not stated
2. Function of the reporting system

- Emission Report submission
- Emission Report Verification
- Verification Report Submission
- Emission and verification Report Approval
- History Data Inquiry
- Emission Data Interface linking Transaction Registry
2. Functioning of transaction registry

Note: 1) The electronic database system can access securely via the Internet.
2) All the process is clearly recorded in the Registry.
2. Work flow of the transaction registry

- **Auction**
- **Free allocation**
- **Certified Emission Reductions**
- **Compliance**
- **Possession**
- **Transfer**
- **Voluntary cancellation**
2. Users of the registry & the reporting system

- Users of transaction registries
  - CCER: Currently no limit (Administrator, project owners, emitters, other entities, financial institutions)
    - Allowances: not decided yet
- Users of reporting system
  - Administrator
  - Emitters
  - Verification body
3. Interconnection between registry system and other systems

- Registry system will input companies emission data by data exchange with reporting system (or other ways) through data exchange interface.
- Registry system will exchange data with trading system through data exchange interface.
3. Interaction between reporting system and Registries

- **Pilots:** Reporting system supplies data exchange interface for transaction registry to input companies emission data
3. Data inputs received by the transaction registry

**Emission data:**
Companies emission data verified by the third-party verifier and approved by the administrator

**Approval by the competent department:**
- Initial emission report submitted to the administrator (31\textsuperscript{st}. March)
- Final emission and verification report submitted to the administrator (30\textsuperscript{th}. April)
- Some pilots will review some verification report
- **After the approval by the administrator**

**Through the data exchange interface:**
Registry system obtains companies emission data from reporting system
Thank You

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