The implementation of T-VER forestry projects involves the following steps.

**Step 1: Project Registration**

1. **Project participant conducts baseline assessment to identify baseline scenario.**
2. **Project participant prepares PDD.**
3. **Project participant submits PDD to VVB for validation.**
4. **Project participant submits request and required documents to request for carbon credit issuance.**
5. **TGO reviews the correctness of the documents and the materiality of the project by considering whether it complies with the Premium T-VER carbon credits issuance criteria.**
6. **TGO's Board of Directors approves project registration.** (TGO notifies project participant of the result.)
7. **Project participant responds to the requested clarification.**
8. **Project participant revises documents to ensure correctness and completeness.** (TGO reviews the SD & Safeguards Assessment Report.)
9. **Project participant submits (draft) PDD to TGO for validation.**
10. **TGO issues carbon credits in the registry.**

**Step 2: Carbon Credit Issuance**

1. **TGO recommends that request for carbon credit issuance be submitted every 5 years along with the preparation of Non-Permanence Risk Report to improve cost-efficiency of VVB’s verification fee.**
2. **Project participant verifies draft PDD with the VVB validation fee.**
3. **VVB validates draft PDD and provides feedback.**
4. **TGO deducts buffer credits into pooled buffer account managed by TGO before issuing the remaining materiality of the project by considering whether it complies with the Premium T-VER carbon credits issuance criteria.**
5. **TGO’s Board of Directors approves project registration.** (TGO notifies project participant of the result.)
6. **Project participant responds to the requested clarification.**
7. **Project participant revises documents to ensure correctness and completeness.**
8. **Project participant submits request and required documents to request for carbon credit issuance.**
9. **VVB verifies draft PDD and provides feedback.**
10. **TGO issues carbon credits in the registry.**

**Premium T-VER Forestry Project Development Cycle**

1. **Project participant identifies the area to calculate carbon sequestration.**
2. **Project participant prepares Monitoring Report (MR).**
3. **Project participant submits MR to VVB for verification.**
4. **TGO reviews the correctness of the documents and the materiality of the project by considering whether it complies with the Premium T-VER carbon credits issuance criteria.**
5. **TGO's Board of Directors approves project registration.** (TGO notifies project participant of the result.)
6. **Project participant responds to the requested clarification.**
7. **Project participant revises documents to ensure correctness and completeness.** (TGO reviews the SD & Safeguards Assessment Report.)
8. **Project participant submits (draft) PDD to TGO for validation.**
9. **TGO issues carbon credits in the registry.**

**Standard T-VER Forestry Project Development Cycle**

1. **Project participant defines boundaries and inspect the area to calculate carbon sequestration.**
2. **Project participant prepares Monitoring Report (MR).**
3. **Project participant submits MR to VVB for validation.**
4. **TGO reviews the correctness of the documents and the materiality of the project by considering whether it complies with the T-VER carbon credits issuance criteria.**
5. **TGO's Board of Directors approves project registration.** (TGO notifies project participant of the result.)
6. **Project participant responds to the requested clarification.**
7. **Project participant revises documents to ensure correctness and completeness.** (TGO reviews the SD & Safeguards Assessment Report.)
8. **Project participant submits (draft) PDD to TGO for validation.**
9. **TGO issues carbon credits to project participant.**
Soil Organic Carbon stock in land is an activity eligible to be developed into a T-VER project shall be an activity that increases carbon biomasses burning shall comply with applicable T-VER methodologies. There are 2 types of T-VER:

- **Standard T-VER**
  - Project area shall be an area with high tendency conversion of forest land to non-forest land.
  - Project activity shall be the restoration of intertidal wetlands which are mangroves and seagrass and shall include at least one of the following:
    1. Practices to prevent alteration of forest area for other purposes.
    2. Practices to prevent forest degradation and/or activities contributing to increased carbon sequestration in forest area.
    3. Activities which contribute to increased carbon sequestration in forest area.
  - Project area shall be forest.

- **Premium T-VER**
  - Project shall not be eligible under this methodology if commercial logging or harvesting of timber would not occur in the baseline scenario.
  - Project area shall be certified at least one of sustainable forest management schemes, FSC, PEFC or TTOC, before the first verification is performed. If commercial harvesting is carried out during the crediting period, certification shall be acquired before harvesting.

**Methods for assessing carbon sequestration**

1. **T-VER Forestry Projects**
   - Project has a starting date after 06 May 2023.
   - Demonstration of additional for small-scale forestry projects (estimated amount of GHG sequestration not exceeding 16,000 tCO2eq/year)

   - Project participants shall demonstrate that the project activity would not have occurred anyway due at least one of the following:
     1. Investment barrier
     2. Institutional barrier
     3. Technological barrier
     4. Barriers relating to local tradition
     5. Barriers due to prevailing practices
     6. Barriers due to local ecological condition

   - Demonstration of additional for large-scale forestry projects
     1. Impact on alternative land-use scenario
     2. Barrier analysis on each land-use alternative
     3. Investment analysis
     4. Common practice analysis

The achieved GHG reduction shall be permanent. The implementation of forestry and agriculture projects is subject to Non-Permanence Risk due to events such as illegal logging, wildfires, disease and pest outbreaks. Therefore, certain amount of credits shall be deducted and reserved in the pooled buffer account in the registry system as a collateral from Non-Permanence Risk, which shall prepare Non-Permanence Risk Report. All projects are subject to a non-permanence risk that may not continue after the 25th May 2022.

**Standard T-VER Methodologies**

1. **Sustainable Forestry**
   - Proper tree planting, maintenance and management.
   - Planting of perennial woody plants with no clear cut out of project area for the period of 10 years from project start date.
   - Planting of fast-growing trees as specified in TGO’s announcement such as eucalyptus, acacia, mahogany and bamboo.
   - Before project start date, no harvesting of timber prior to the rotation age shall have been performed on the project area or planting of any fast-growing trees.
   - No harvesting of all trees throughout project crediting period except for the purpose of conservation and forest management as specified in project management plan.

2. **Reducing Emission from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project** (P-RDDC)
   - Project area shall be forest with a minimum continuous cover of 30 percent and trees reaching a minimum height of 3 meters forest area fully grown.
   - Project area shall be an area with history conversion of forest land to non-forest land.
   - Practices to prevent alteration of forest area for other purposes and/or involving activities to reduce forest degradation and/or activities contributing to enhanced carbon sequestration in forest area.
   - Project area shall be forested with planting, species shall be compatible with the native ecosystems.

3. **T-VER Forestry Projects**
   - Project activity shall be the restoration of intertidal wetlands which are mangroves and seagrass.

   - Additional
     1. Practices to prevent alteration of forest area for other purposes.
     2. Practices to prevent forest degradation and/or activities contributing to increased carbon sequestration in forest area.
     3. Activities which contribute to increased carbon sequestration in forest area.

**Premium T-VER Methodologies**

- Afforestation/Reforestation of Land (except wetlands)
  - Planting of perennial woody plants.
  - Project area before project start date is not forest.

- Afforestation/Reforestation of Degraded Mangrove Habitats
  - Project area before project start date is not forest.
  - Project activity can be a combination of non-mangrove and planting of mangrove species accounts for more than 60 percent of project area.

- Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
  - Project activity shall include at least one of the following:
    - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
      - Project activity shall include at least one of the following:
        - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
          - Project activity shall include at least one of the following:
            - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
              - Project activity shall include at least one of the following:
                - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
                  - Project area before project start date is not forest.

- Afforestation/Reforestation of Land (except wetlands)
  - Planting of perennial woody plants.
  - Project area before project start date is not forest.

- Afforestation/Reforestation of Degraded Mangrove Habitats
  - Project area before project start date is not forest.
  - Project activity can be a combination of non-mangrove and planting of mangrove species accounts for more than 60 percent of project area.

- Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
  - Project activity shall include at least one of the following:
    - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
      - Project activity shall include at least one of the following:
        - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
          - Project activity shall include at least one of the following:
            - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
              - Project activity shall include at least one of the following:
                - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
                  - Project area before project start date is not forest.

Calculation of GHG emissions from activities such as the use of fossil fuel, use of nitrogen fertilizers and biomass burning shall comply with appropriate T-VER methodologies.

**Carbon Pool**

- GHG sources
  - Calculation of non-CO2 from project activities
  - Calculation of non-CO2 from project activities
  - Calculation of non-CO2 from project activities
  - Calculation of non-CO2 from project activities

**Carbon credits**

- Calculation of carbon sequestration from project activities
  - Calculation of carbon sequestration from project activities
  - Calculation of carbon sequestration from project activities
  - Calculation of carbon sequestration from project activities

**Additional**

- Project area has a starting date after 06 May 2023.
- Demonstrative of additionality for small-scale forestry projects (estimated amount of GHG sequestration not exceeding 16,000 tCO2eq/year)

- Project participants shall demonstrate that the project activity would not have occurred anyway due at least one of the following:
  - Investment barrier
  - Institutional barrier
  - Technological barrier
  - Barriers relating to local tradition
  - Barriers due to prevailing practices
  - Barriers due to local ecological condition

- Demonstration of additionality for large-scale forestry projects
  - Step 1: Identification of alternative land-use scenario
  - Step 2: Barrier analysis on each land-use alternative
  - Step 3: Investment analysis
  - Step 4: Common practice analysis

**Non-permanence Risk Report**

- Internal risk
  - 1. Project failure due to personnel
  - 2. Fire
  - 3. Flood
  - 4. Wildlife/Pet invade
  - 5. Storm
  - 6. Droughts
  - 7. Financial stability and funding

- External risk
  - 1. Land-use change and urbanization
  - 2. Sudden changes
  - 3. Downstream
  - 4. Waterlit/Potential
  - 5. Fire
  - 6. Droughts
  - 7. Financial stability and funding

**Standard T-VER Methodologies**

1. **Sustainable Forestry**
   - Proper tree planting, maintenance and management.
   - Planting of perennial woody plants with no clear cut out of project area for the period of 10 years from project start date.
   - Having a minimum project area of 100 hectares with GHG emissions not to be less than 16,000 tCO2eq/year.

2. **Large-scale Sustainable Forestry**
   - Proper tree planting, maintenance and management.
   - Planting of fast-growing trees as specified in TGO’s announcement such as eucalyptus, acacia, mahogany and bamboo.
   - Before project start date, no harvesting of timber prior to the rotation age shall have been performed on the project area or planting of any fast-growing trees.
   - No harvesting of all trees throughout project crediting period except for the purpose of conservation and forest management as specified in project management plan.

3. **Reducing Emission from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)**
   - Project activity shall include at least one of the following:
     - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
       - Project activity shall include at least one of the following:
         - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
           - Project activity shall include at least one of the following:
             - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
               - Project activity shall include at least one of the following:
                 - Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Sequestration in Forest Area Project Level: P-RDDC (except wetlands)
                   - Project area before project start date is not forest.

**Non-permanence Risk Report**

- Internal risk
  - 1. Project failure due to personnel
  - 2. Fire
  - 3. Flood
  - 4. Wildlife/Pet invade
  - 5. Storm
  - 6. Droughts
  - 7. Financial stability and funding
  - 8. Project longevity

- External risk
  - 1. Land-use change and urbanization
  - 2. Sudden changes
  - 3. Downstream
  - 4. Waterlit/Potential
  - 5. Fire
  - 6. Droughts
  - 7. Financial stability and funding
  - 8. Project longevity