|  |
| --- |
| **Project Title** |
| ... |
| **Gold Standard ID** |
| … e.g. GS-0123 |
| **Type of Certification** |
| Initial Certification  Performance Certification  New Area Certification |

Please outline how your project meets each of the following requirements, referring to any *supporting documentation* where necessary. The formatting requirements provided in chapter 7.4 must be followed.

**Baseline**

**Certificates**

| 1. To determine the Baseline of the eligible planting area the land shall be 2. stratified according to its vegetation types (grassland, bushland, etc.) | |
| --- | --- |
| (a) | … Describe the process of stratification. |

| 1. To determine the Baseline of the eligible planting area the land shall be 2. for each of these strata, scientifically based *local[[1]](#footnote-1)*, regional or national *default values*  shall be found which state the biomass of these vegetation types.   *International default values[[2]](#footnote-2)* from the IPCC shall only be used if no other values are available. | |
| --- | --- |
| (b) | Overview of the different baseline strata and the results of the baseline determination. The individual calculation of each stratum is in the boxes below.   |  | **Stratum ID** | **Baseline tree biomass** | **Baseline non-tree biomass** | | --- | --- | --- | --- | | Stratum | … | … tCO2 | … tCO2 | | Stratum | … | … tCO2 | … tCO2 | | Stratum | … | … tCO2 | … tCO2 | | Stratum | … | … tCO2 | … tCO2 | | **Total** |  | **… tCO2** | **… tCO2** | |  | **Eligible planting area** | **… ha**  **… ha** | | |  | **Baseline** | **… tCO2/ha**  **… tCO2/ha** | | |

Copy this table for each different strata.

**Baseline tree biomass**

**Conversion Procedure**

Aboveground tree biomass = Stem volume \* Biomass Expansion Factor \* Wood density \* Carbon fraction \* C to CO2 factor

Belowground tree biomass = Aboveground tree biomass \* Root-to-Shoot ratio

| **Stratum ID** | **…** e.g. Dense Shrubland 01 | | | |
| --- | --- | --- | --- | --- |
| **Baseline tree biomass**  In the unit: [m3/ha] or [tdm/ha] | Value: | | **…**  **m3/ha**  **tdm/ha** | |
| Default value: | | Project-specific  Regional  National  International  Gold Standard | |
| Reference: | | … | |
| Justification of value: | … How does this value provide the most accurate information for your project? | | | |
| **BEF** | Value: | | **…** | |
| Default value: | | Project-specific  Regional  National  International  Gold Standard | |
| Reference: | | … | |
| Justification of value: | … | | | |
| **Wood density** | Value: | | **…** | |
| Default value: | | Project-specific  Regional  National  International  Gold Standard | |
| Reference: | | … | |
| Justification of value: | … | | | |
| **Root-to-Shoot ratio** | Value: | | **…** | |
| Default value: | | Project-specific  Regional  National  International  Gold Standard | |
| Reference: | | … | |
| Justification of value: | … | | | |
| **Baseline tree biomass** [tCO2/ha] | **… tCO2/ha** | | | |
| **Area** (of this stratum) | Area: | | | **… ha** |
| **Baseline tree biomass** [tCO2] | | **… tCO2** | | |

Copy this table for different strata.

**Conversion Procedure**

Aboveground non-tree biomass = Dry biomass \* Carbon fraction \* C to CO2 factor

Belowground non-tree biomass = Aboveground non-tree biomass \* Root-to-Shoot ratio

**Baseline non-tree biomass**

| **Stratum ID** | **…** e.g. Grassland 01 | | |
| --- | --- | --- | --- |
| **Baseline non-tree biomass** [tdm/ha] | Value: | **… tdm/ha** | |
| Default value: | Project-specific  Regional  National  International  Gold Standard | |
| Reference: | … | |
| Justification of value: | … How does this value provide the most accurate information for your project? | | |
| **Root-to-Shoot ratio** | Value: | **…** | |
| Default value: | Project-specific  Regional  National  International  Gold Standard | |
| Reference: | … | |
| Justification of value: | … | | |
| **Baseline non-tree biomass** [tCO2/ha] | **… tCO2/ha** | | |
| **Area** (of this stratum) | Area: | | **… ha** |
| **Baseline non-tree biomass** [tCO2] | **… tCO2** | | |

1. Local default values Local *default values* are project area specific value generated through a ‘tree’ and ‘non-tree’ inventory on the project area. [↑](#footnote-ref-1)
2. International default values International *default values* are found e.g. in the *IPCC Guidelines for National GHG Inventories*: <http://www.ipcc-nggip.iges.or.jp/public/2006gl/pdf/4_Volume4/V4_04_Ch4_Forest_Land.pdf> [↑](#footnote-ref-2)