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Forest certification in China - Forest carbon sink

中国森林认证 森林碳汇

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by the State Forestry and Grassland Administration. This document is under the jurisdiction of the National Technical Committee on Sustainable Forest Management and Forest Certification Standardization (SAC/TC360). This document was drafted by: Chinese Academy of Forestry, Institute of Forestry Science and Technology Information, Chinese Academy of Forestry, State Forestry and Grassland Administration Original Bureau Technology Development Center, China Forestry Group Co., Ltd., Zhixiao (Beijing) Communication Technology Co., Ltd., Shanghai Shenxi Certification Co., Ltd., Lian Equatorial Environmental Assessment Co., Ltd., East China Survey and Planning Institute of the State Forestry and Grassland Administration, and Forest Ecology and Environment of the Chinese Academy of Forestry With the Nature Conservation Research Institute, Northeast Forestry University, the State Forestry and Grassland Administration Management Cadre College, the People's Government Office of Kunlun District, Baotou City, Beijing Guojian Lianxin Certification Center Co., Ltd. The main drafters of this document are. Xiao Wenfa, Zhao Jie, Yu Ling, Fu Bo, Chen Yiming, Wang Xueming, Zhang Wenjun, Luo Wenhui, Wu Shuirong, Zhu Jianhua, Hong Yifeng, Zhang Jiawei, Yang Bo, Liu Jingyun, Guo Hanru, Jia Weiwei, He Youjun, He Guimei, Huang Songlin, Yu Tianfei, Zhu Anming, Wang Xiujuan, Meng Xiangyou.

As the main body of terrestrial ecosystems, forests are the largest carbon pool in terrestrial ecosystems. Forest management and administration activities directly affect Carbon sink services of forest ecosystems. Consolidating and improving the carbon sequestration and

sink capacity of forest ecosystems will help mitigate climate change and achieve the dual carbon goals. It plays an important role in helping management units to clearly calculate and declare the ecosystem services that their forest resources can provide under sustainable management conditions. This document is specially formulated for carbon sink services. The results of forest carbon sink certification serve as a third-party proof of the forest carbon sink services provided by the management unit and can be used for the following purposes.

- a) Business units publicize their contribution to addressing global climate change;
- b) The basis for companies carrying out carbon neutral product certification to offset the carbon emissions of their products;
- c) Realization of the value of ecological products, such as the supporting basis for ecological compensation, carbon sink trading, green finance and insurance. This document is the basis for my country to carry out forest carbon sink certification work under the Chinese Forest Certification System. China Forest Certification Forest Carbon Sink

1 Scope

China's national standard for forest carbon sink certification. A forest carbon sink is the net removal of carbon dioxide from the atmosphere by growing trees, and certifying it turns that into a tradable credit. What makes certification difficult is that the credit is a claim about a counterfactual: how much carbon this forest holds compared with how much it would have held had the project not happened. Every serious question about carbon credits attaches to that comparison - whether the baseline was set honestly, whether the growth was additional or would have occurred anyway, whether the storage is permanent when a forest can burn or be felled, and whether protecting one area simply displaces logging to another. A certification standard has to address all of them, along with the measurement itself, which rests on the biomass models and parameters that its companion standard supplies.

This document specifies the requirements that forest carbon sink certification based on sustainable forest management should meet. This document applies to the certification of forest carbon sinks based on sustainable forest management by forest certification bodies.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 28951 China Forest Certification Forest Management

GB/T 41546 China Forest Certification Bamboo Forest Management LY/T 2988 Guidelines for the measurement of carbon stocks in forest ecosystems

3 Terms and definitions

The terms and definitions defined in GB/T 28951 and the following apply to this document.

3.1 forest carbon sink forestcarbonsink Forest ecosystems absorb carbon dioxide from the atmosphere and fix it in vegetation and soil, thereby reducing the concentration of carbon dioxide in the atmosphere. service capabilities.

3.2 Audit and declare the forest carbon sink amount based on sustainable forest management of the management unit to prove its forest carbon sink service.

3.3 Management entity An operating entity with legal person status.

3.4 forest carbon storage The amount of carbon accumulated in various carbon pools in a forest ecosystem as of a certain point in time.

3.5 forest carbon sinks The total change in carbon storage in each carbon pool of the forest ecosystem within a certain period of time minus the greenhouse gas emissions caused by fires within the forest area. The net change after measurement.

4 Basic Requirements

4.1 Forest management units should establish a sustainable forest management system in accordance with the requirements of GB/T 28951.