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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HJ 623-2011

**Standard for the assessment of regional biodiversity
(English Translation)**

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Foreword

To implement the "People's Republic of China Environmental Protection Law" to regulate the methods and evaluation of biological diversity, and the master Status Solutions and around the country's biological diversity, spatial distribution and trends, specifically the country and around the conservation of biodiversity Focus on improving our overall management capacity for biodiversity conservation, the development of this standard.

This standard specifies the indicators and their right to re-evaluate biodiversity, data acquisition and processing, calculation method, level stroke Classification content.

The Standard Appendix A, B, C, D are informative appendix.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard is mainly drafted by. Environmental Protection Department of the Nanjing Institute of Environmental Sciences.

This standard MEP September 9, 2011 for approval.

This standard since January 1, 2012 implementation.

The standard explanation by the Ministry of Environmental Protection.

Regional Biodiversity evaluation criteria

1 Scope

This standard specifies the indicators and their right to re-evaluate biodiversity, data acquisition and processing, calculation method, level stroke Classification content.

This standard applies to county-level administrative region as the basic unit of evaluation of regional biodiversity.

2 Normative references

This standard incorporates the following documents contain provisions. For undated references, the effective version applies to this standard.

GB/T 7714-2005 after bibliographic references packet rules "National key protected wild animal list" (the letter [1988] No. 144) "National key protected wild plants (the first batch)" (the letter [1999] No. 92) Ministry of Environmental Protection released announcement on National Biological Species Resources in the relevant technical regulations (Trial) notice 2010 no. 27 Year

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Biodiversity

Living organisms from all sources of variability, these sources including terrestrial, marine and other aquatic ecosystems Ecological complexes and posed like this includes diversity within species, between species and of ecosystems.

3.2 Wildlife richness of wild animal species

Refers to a species of wild mammals have been recorded in the assessment area, birds, reptiles, amphibians, freshwater fish, butterflies Number (including subspecies), used to characterize the diversity of wildlife. In the river (River), between migratory sea fish living in salty Interchange freshwater estuarine fish can be seen as freshwater fish.

3.3 of wild vascular plants richness of wild vascular plant species Refers to the number of species (including subspecies, varieties or variants) were recorded in the assessment area of wild vascular plants for characterization Wild plant diversity.

3.4 Ecosystem Diversity of ecosystem types

It refers to the type of number in the evaluation of the region's natural or semi-natural ecosystems, for characterizing the type of ecosystem diversity.

In formations ecosystem for the Classification Unit.

3.5 Endemism species endemism

It refers to an assessment area within China's unique wild mammals, birds, reptiles, amphibians, freshwater fish, butterflies and the relative number of species of vascular plants, and used to characterize species of special value.

3.6 Alien species alien species

And point out that species, subspecies outside their natural past or present distribution and diffusion potential range or less free Unit, including all the species likely to survive partial reproduction, gametes, or propagules.

3.7 Invasive alien species invasive alien species

It refers to the local natural or semi-natural ecosystems in the formation of self-regeneration, or may have on the ecological environment, or livelihoods cause significant damage or adverse effects of alien species.

3.8 Alien species invasion of degree of invasion of invasive alien species

It refers to the number of internal and external evaluation of regional and local invasive species of wild mammals, birds, reptiles, amphibians, fish and the ratio of class, butterflies and a number of species of vascular plants, Cheng ecosystems are invasive alien species for characterizing interference degree.

3.9 Threatened species threatened species

Means "the IUCN Red List of endangered species and standards" (version 3.1) belonging to Critically Endangered, Endangered Risk species Vulnerable.

4.1 Scope of the evaluation

Evaluation scope for national, provincial administrative regions, municipal or county-level administrative region administrative regions to county-level administrative region as for the evaluation unit.

4.2.1 Ecosystem

Natural or semi-natural ecosystems terrestrial and inland water ecosystems, marine ecosystems and does not include the Botanical Garden, Arboretum, zoos, farms.

4.2.2 Wildlife

Wild mammals, birds, reptiles, amphibians, freshwater fish, butterflies, etc., are not included in captivity or captivity animal.

4.2.3 Wild Plants

Wild vascular plants, including wild ferns, gymnosperms and angiosperms.

5.1 Source

Each index data mainly from the existing literature and field surveys. Documentation should be nearly 5 years or 10 years Literature-based. Data from the professionals with certain qualifications in biodiversity surveys collected by relevant experts Validation.

5.2 Fieldwork

Accordance with the "National Biological Species Resources survey released relevant technical regulations (Trial) notice" (Ministry of Environmental Protection Announcement No. 27, 2010) implemented. Field survey data in conjunction with a comprehensive analysis of the survey data over the years.

5.3 of wild animals and vascular plants Vascular plants and wildlife data collection in the format of Appendix A. A system of invasive alien species is not in Appendix , Within range, but alien species in non-invasive alien species should be included in Appendix A of the statistical range. Urban area in Exotic plants, if there are wild distribution outside built-up areas is included in the statistical range; if there is no outside built-up areas in the wild points Cloth is not included in the statistical range.

5.4 Invasive alien species

Data collected by the invasion of alien species in Appendix B of the form. Invasive alien species including alien invasive alien animals and Invasive plants. The degree of invasion of alien species according to formula (1) calculations.

I NN

NE = (1)

Where. EI ----- invasion of alien species;

NI ----- evaluated outside the region to invade several species;