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

GB/T 43826-2024

**Forestry and grassland internet of things - Assignment rule of
object identifier**

林草物联网 标识分配规则

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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 Forestry and Grassland Information Standardization Technical Committee (SAC/TC386). This document was drafted by: China Electronics Technology Standardization Institute, Information Center of the State Forestry and Grassland Administration, China Electronics Technology Standardization East China Branch of the

Institute, Shenzhen CESI Information Technology Co., Ltd., Zhejiang Forestry Information Publicity Service Center, Northwest Forestry Administration of the State Forestry and Grassland Administration Institute of Investigation, Planning and Design, Peking University. The main drafters of this document are. Zhuo Lan, Gu Hongbo, Bai Ying, Han Hongqiang, Lei Gen, Yang Hong, Han Li, Su Jingru, Guo Xiong, Zhao Xiangyang, Li Chong, Liang Jinjie, Wang Xiaochun, Liu Xinhong, Wang Dejun, Min Zhiqiang, Jiang Guangsong, Liu Yunhuai, Su Yueqi. Rules for assigning forest and grassland IoT identifiers

1 Scope

GB/T 43826-2024 sets the rules by which object identifiers are assigned in the Chinese forestry and grassland internet of things. An identifier scheme is the least glamorous and most load-bearing part of any large sensing network: every device, every managed object and every data resource in a system that spans a national forest estate has to carry an identifier that is unique, allocable by delegation and stable for decades, or the data cannot be joined at all. The standard sets the general requirements, the allocation structure and the coding requirements; then the numbering of the managing and operating organisations and the allocation of identifiers to subordinate organisations, which is how the delegation works; then the numbering of business entities and the allocation of their object identifiers; and then the assignment requirements for data resource object identifiers. It is the companion to the other standards of the forestry and grassland internet of things series, and for anyone building systems that must interoperate with the Chinese forestry data infrastructure it is the document that decides whether their identifiers will be accepted.

This document provides the general requirements for the allocation of forest and grassland IoT identifiers, and provides specific requirements for forest and grassland management and operation organizations, business entity objects, and data resources. Requirements are specified for the assignment of identities to source objects, security authentication objects, and communication information protocols. This document is applicable to guiding the design, development, operation and maintenance management of various information systems of forestry and grassland Internet of Things.

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 2260-2007 Administrative division codes of the People's Republic of China

GB/T 2659.1-2022 Codes for the names of countries and regions and their administrative

divisions Part

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