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

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**Meteorological support specification for well-facilitated
farmland construction**

高标准农田建设气象保障规范

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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.

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Meteorological support specifications for high-standard farmland construction

1 Scope

This document stipulates the requirements for farmland meteorological observation systems, agricultural meteorological service products, and meteorological information platforms during the construction of high-standard farmland.

The corresponding verification method is described.

This document is applicable to the deployment of farmland observation systems, production of agricultural meteorological service products, and information security related to the construction of high-standard farmland.

Information platform development.

2 Normative references

GB 31221-2014

GB/T 33703-2017

GB/T 34412-2017

GB/T 42877

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 wel-facilitated farmland

The fields are flat, concentrated and contiguous, with complete facilities, water-saving and efficient, supporting agricultural electricity, suitable for mechanized operation, fertile soil, eco-friendly, and strong disaster resistance.

Arable land with stable and high yields that can guarantee stable harvests regardless of drought or flood, and is compatible with modern agricultural production and management methods.

[Source. GB/T 30600-2022, 3.1]

3.2 [Source. GB/T 33703-2017, 3.2]

An instrument that can automatically observe, process, store and transmit ground meteorological elements.

3.3 [Source. QX/T 657-2023, 3.3]

Adverse effects of weather conditions on agriculture.