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**Information technology - Equipment digital twin system -
General requirements**

信息技术 装备数字孪生系统 通用要求

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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

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General requirements for digital twin systems of information technology equipment

1 Scope

This document describes the composition of the equipment digital twin system and specifies the technical requirements and construction requirements of the system.

This document applies to the development, use and maintenance of equipment digital twin systems.

2 Normative references

GB/T 43441.1-2023

3 Terms and definitions

The terms and definitions defined in GB/T 43441.1-2023 and the following apply to this document.

3.1 Equipment

A general term for the equipment and equipment systems used to implement and ensure production and operation activities.

Note. In some specific scenarios, equipment is also called device.

[Source. GB/T 41251-2022, 3.1.1, modified]

3.2 Target equipment targetequipment

Equipment selected for digital twinning.

3.3 digital entity

A digital twin of the target entity.

[Source. GB/T 43441.1-2023, 3.3]

3.4

A system that realizes dynamic iteration of various elements between target equipment and its digital entity.

3.5 Model

An abstract representation of an entity or collection of entities.

Note. A model is able to describe, understand, or predict the properties of an entity or set of entities under conditions or circumstances of interest.

[Source. ISO /IEC /IEEE42020 2019,3.13, modified]

3.6 Geometry modelgeometrymodel

A model that describes the geometric features of the target equipment and its additional attributes.