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**General requirements for edge intelligent instruments**

边缘智能仪表通用要求

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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 is required.

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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General requirements for edge smart meters

## 1 Scope

This document specifies the application architecture, device architecture, and general technical requirements for edge smart meters.

This document is applicable to the research and development, production and application of edge smart meters by manufacturers, integrators, users, etc.

## 2 Normative references

GB/T 30976.1

GB/T 33007

GB/T 33863.5

GB/T 35673

GB/T 40209

GB/T 40218

## 3 Terms and definitions

The following terms and definitions apply to this document.

### 3.1 edge intelligent instrument

A digital instrument with the capabilities of integrated interaction, self-diagnosis, functional reconfiguration, remote operation and maintenance, processing decision-making, and edge-cloud collaboration.

## 4 Abbreviations

The following abbreviations apply to this document.

OPCUA. Open Platform Communications Unified Architecture XML. Extensible Markup Language

## 5 Edge Smart Meter Application Architecture

The edge smart meter application architecture is shown in Figure 1.