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

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**Intelligent device management - Part 1: Concepts and
terminology**

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Foreword

This document complies with the provisions of GB/T 1:1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents"

Drafting:

This document is Part 1 of GB /Z 43444 "Intelligent Device Management": GB /Z 43444 has published the following parts:

---Part 1: Concepts and definitions:

This document is equivalent to IEC TR63082-1:2020 "Intelligent Device Management Part 1: Concepts and Definitions": The file type is determined by IEC

The technical report was adjusted into my country's national standardization guiding technical document:

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

Introduction

GB /Z 43444 "Intelligent Device Management" aims to define an environment that can effectively use industrial intelligent devices, providing general concepts,

Terminology and management activities are planned to be composed of two parts:

---Part 1: Concepts and definitions: Designed to provide a foundation for understanding the smart device management concepts required to implement a smart device management program:

this knowledge:

---Part 2: Workflow requirements: Aims to provide normative requirements for smart device management:

Smart device management represents the activities of managing smart devices throughout their lifecycle, rather than specific asset management tools or tools

collection: Hardware and software tools are integral to supporting workflows and procedures, but the specifications of these tools are not standard in this series:

accurate part: Smart device management can be one of many enterprise initiatives: Smart device management activities optimize the value of smart devices and

Support the integration of production-level data and business systems: Smart device management is aligned with smart manufacturing initiatives:

The GB /Z 43444 series of standards is not intended to replace or conflict with other standards, such as IEC 61511 (all parts) for safety instrumented systems

and IEC 62443 (all parts) for information security:

Although the workflow and implementation procedures specified in the GB /Z 43444 series of standards can be used for non-automated equipment with certain diagnostic capabilities, equipment, but does not include these equipment types:

Smart Device Management Part 1: Concepts and Definitions

1 Scope

This document stipulates concepts and definitions related to smart device management, and outlines the basic concepts of smart device management throughout the device life cycle:

The important role of the issue is to illustrate the relationship between smart device management and other existing asset management standards:

This document applies to activities related to smart device management and provides a common language to describe these activities: Concepts include categories of activities: and activity-related roles:

2 Normative reference documents

This document has no normative references:

3 Terms, definitions and abbreviations

3:1 Terms and definitions

The following terms and definitions apply to this document:

ISO and IEC maintain terminology databases used for standardization at:

* ISO online browsing platform: please visit <http://www.iso.org/obp>

3:1:1

activity activity

A set of time- and resource-consuming actions necessary to achieve or contribute to the achievement of one or more goals:

Note: Includes workflow, procedures and tasks:

[Source: ISO /IEC TR24766:2009,3:1, modified]

3:1:2

alarmalarm

Notifying users of equipment failures, process deviations or abnormal conditions, etc: requires users to make special, timely and documented (scheduled) actions

response:

[Source: IEC 62682:2014,3:1:7, with modifications]

3:1:3

alarm managementalarmmanagement

Determine, document, design, operate, monitor and maintain work processes and practices for alarm systems:

[Source: IEC 62682:2014, 3:1:17, modified]

3:1:4

warningalert

Notification to responsible persons of unusual circumstances that may require longer action than the time required to alert the police:

Note: "Responsible person" may include: operator, maintenance personnel or engineering personnel: