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

GB/Z 21099.6-2018

**Function blocks (FB) for process control and electronic device
description language (EDDL) -- Part 6: Meeting the requirements for
integrating fieldbus devices in engineering tools for field devices**

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2.1 Terms and definitions

Foreword

The "Process Control Function Block" currently includes the following sections.

---GB/T 21099.1-2007 Function blocks for process control Part 1. General aspects of systems;

---GB/T 21099.2-2015 Function blocks for process control (FB) Part 2. Conceptual specification for function blocks;

---GB/T 21099.3-2018 Function Blocks for Process Control (FB) Part 3. Electronic Device Description Language (EDDL);

---GB/T 21099.4-2010 Function Blocks for Process Control (FB) Part 4. EDD Interoperability Guide;

Foot field equipment engineering tools for the need to integrate fieldbus devices.

This part is the sixth part of the "function block for process control".

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method equivalent to IEC /T R61804-6.2012 "Process Control Function Block (FB) Electronic Device Description Language

(EDDL) Part 6. Meeting the Needs of Field Device Engineering Tools for Integrated Fieldbus Devices (English).

This section has made the following editorial changes.

--- Modified the standard name.

This part was proposed by the China Machinery Industry Federation.

This part is under the jurisdiction of the National Industrial Process Measurement Control and Automation Standardization Technical Committee (SAC/TC124).

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1 Scope

This section is an evaluation and evaluation of Electronic Device Description Language (EDDL) technology. How does it pass for equipment and system manufacturers?

EDDL technology to provide guidance to meet user needs (it can guide equipment and system manufacturers to use EDDL technology to meet user needs)

begging). It also provides guidance to system integrators and instrument maintenance personnel to help end users use their workflows.

EDDL technology integrates systems and integrates device management.

This section presents some requirements use cases based on NAMUR1) NE105 recommendations to illustrate the production of EDDL technology and its EDDL.

How to meet these needs.

This section is the latest current assessment of EDDL technology, features and functionality, including devices and tools for handheld field communication.

Fabric Control System (DCS) engineering software, DCS operator station software, equipment management software in the plant asset management program, and

Standalone software used in portable devices.

1) German Committee for Measurement and Control Standards.

2.1 Terms and definitions

The following terms and definitions apply to this document.

2.1.1

EDD developer EDDdeveloper

Individuals or groups that develop EDD.

2.1.2

Audit trail audittrail

Record changes made by the device and events that occur on the device, such as configuration changes, calibrations, and failures.

2.1.3

Backwards compatible with backwardscompatibility

The ability of the new version of the product to interoperate early with the same product.

2.1.4

Content and structure contentandstructure

Information and how it is organized.

Note. What information is displayed, where it is displayed and what function is provided, and the difference in appearance and feel is noted.

2.1.5

Distributed control system distributedcontrolsystem

Process control system or basic process control system responsible for process control and operator interface.