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

GB/T 15969.4-2007

Replacing GB/T 15969.4-1995

Programmable controllers -- Part 4: User guidelines

可编程序控制器 第4部分：用户导则

(English Translation)

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Foreword

GB/T 15969 "Programmable Controller" is divided into eight sections.

--- Part 1. General information;

--- Part 2. device characteristics;

--- Part 3. Programming languages;

--- Part 4. user guidelines;

--- Part 5. Communications;

--- Part 6 .(undecided);

--- Part 7. Fuzzy control programming (GB/T 17165.3);

--- Part 8. Programming language application and implementation guidance.

This section GB/T Part of 415,969.

This section identical with IEC 61131-4:2004 "Programmable controllers - Part 4. User Guide" (second edition).

This Part replaces GB/T 15969.4-1995 "Programmable controllers - Part 4. User Guide." this part of GB/T 15969.4 version 2, which first version is completely different. The first version (GB/T 15969.4-1995) solid Mainly from the qualitative guiding role. The current version is designed to not want to understand product standards (ie, GB/T 15969) Regulations PLC installed Opposed to the end user to provide GB/T 15969 series of standards project overview. The purpose of this revision is to help end users PLC Correct and effective use of GB/T 15969 series of standards, and benefit from compliance with IEC standard programmable controllers.

This part of the Annex A, Annex B, Annex C is informative appendix.

This part is proposed by China Machinery Industry Federation.

This part of the measurement and control of Standardization Technical Committee Programmable Controller System Technical Committee and by the National Industrial Process (SAC/TC124/SC5) centralized.

This part of the China Association for Mechatronics Technology responsible for drafting.

Introduction

This section GB/T 15969 constituting programmable controller and its associated peripherals series of standards - Part 4. Read Part Sharing should be combined with other parts of the series of standards.

When this section conflicts with other IEC standards (except for the Basic Safety Standards) occurs in the programmable logic controller and related peripheral devices Areas should be the main provisions of this section.

Somewhat generic term is defined in GB/T 15969.1 in. The more specific term is defined separately in each section.

GB/T 15969.4-2007/IEC 61131-4:2004 Programmable Controllers - Part 4. User Guide

1.1 Scope and purpose

This Technical Report (TR) the purpose of the programmable logic controller (PLC) of the end-user presentation GB/T 15969 series of standards, and help Help them by GB/T 15969 series of standards and technical specifications selection PLC device. The main audience of this User Guide is the ultimate PLC user.

PLC and its applications and related peripheral devices are considered part of a control system. Therefore, PLC users should be aware to, this section does not involve PLC and PLC systems where the automation system, but only relates to PLC devices. However, when using this user guide it is recommended when the architecture of the system for evaluation. Function security of the entire automation system not within the scope of this section.

The User Guide is intended, according to the applicable PLC and related peripherals GB T 15969 series of standards specifications, convenience /Users communicate with the PLC PLC suppliers. This exchange of information will be described with reference to FIG 1.

1 user guidance purposes as shown in Figure 1, the user by the system integrators and end-user components. GB/T 15969 series of standards for the use of PLC manufacturers Households provide appropriate product information. Alternatively, the user may provide the operational requirements and technical specifications to manufacturers, in order to get the right from the manufacturer Products and services. It is therefore an object of this report is to give technical assistance in terms of communication, providing support especially from the end-user perspective hold. Accordingly, the present Technical Report No GB/T 15969 series of standards every part of all the requirements (for example, conformance test) involved.

If desired, the user can be found in the relevant section of the standard.

1.2 Normative references

The following documents contain provisions which, through reference GB/T 15969 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 15969.1 Programmable Controllers - Part 1. General Information (GB/T 15969.1-2007, IEC 61131-1.

2003, IDT)

GB/T 15969.2 Programmable Controllers Part 2. Equipment properties (GB/T 15969.2-1995, eqv IEC 61131-2.

1998)

GB/T 15969.3 Programmable controllers - Part 3. Programming languages (GB/T 15969.3-2005, IEC 61131-3.

2002, IDT)

GB/T 15969.5 Programmable controllers - Part 5. Communication (GB/T 15969.5-2002, IEC 61131-5:2000, IDT) GB/T 15969.4-2007/IEC 61131-4:2004