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PEOPLE'S REPUBLIC OF CHINA**

GB/T 29813-2013

**Analyser systems -- Guide to technical enquiry and bid
evaluation**

分析器系统 技术咨询和投标评估指南

(English Translation)

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Foreword

This standard was drafted in accordance with the rules of GB/T 1.1-2009 and GB/T 20000.2-2009 given.

This standard uses the translation method is equivalent to using IEC/T R61832.1999 "analysis system offer technical advice and Evaluation Guide." Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- GB 3836.2-2010 explosive atmospheres - Part 2. the flameproof enclosure "d" protection

equipment (IEC 60079-1:2007, MOD)

--- GB 3836.4-2010 Explosive atmospheres - Part 4. the intrinsically safe "i" protection equipment (IEC 60079-11.

2006, MOD)

--- GB 3836.5-2004 Electrical equipment for explosive gas atmospheres - Part 5. pressurized enclosure type "p" (IEC 60079-2.

2001, MOD)

--- GB 3836.14-2000 Electrical apparatus for explosive gas atmospheres - Part 14. Classification of hazardous areas (IEC 60079-10.

1995, IDT)

--- GB 3836.15-2000 Electrical apparatus for explosive gas atmospheres - Part 15. Electrical installations in hazardous locations (except coal mines Outside) (eqv IEC 60079-14:1996)

--- GB 3836.17-2007 Electrical apparatus for explosive gas atmospheres - Part 17. Structure and positive pressure rooms or buildings Use (IEC 60079-13. 1982, IDT)

--- GB/T 6988 (all parts), Preparation of documents used in electrical technology [IEC 61082 (all parts), IDT]

--- GB/T 19001-2008 quality management system requirements (ISO 9001:2008, IDT)

--- GB/T 19898-2005 industrial process measurement and control applications software documentation set (IEC 61506:1997, IDT)

--- GB/T 26853.1-2011 complete sets of equipment, systems and device files Classification and designation - Part 1. Rules and classification tables (IEC 61355-1:2008, IDT)

--- GB 29812-2013 industrial process control cabin safety analysis (IEC 61285:2004, IDT)

--- GB/T 29814-2013 online analyzer system design and installation guide (IEC/T R61831.1999, IDT) the standard proposed by China Machinery Industry Federation.

The standard measurement and control of the instruments Standardization Technical Committee Technical Committee (SAC/TC124/SC6) by the National Industrial Process Centralized.

Research Institute, Beijing North sub-Mai Hake Analytical Instruments Co., FPI (Hangzhou) Co., Ltd., Shanghai Precision & Scientific Instrument Co., Division, Nanjing Analytical Instrument Factory Co., Ltd., Sichuan-Chongqing Analytical Instruments Co., Ltd., Beijing Analytical Instrument Institute.

Introduction

The standard Chapter 2 describes the entire analyzer system technology projects names and descriptions of specifications. But not all of the analyzer system EC are the same, the specific needs of the total content there is a difference. However, this style of presentation makes some of the provisions of this standard according to need Seeking freedom to choose. The recommended practice is the standard to include all sections of the project, a statement can be made as appropriate "not applicable." the standard Chapter 3 describes the tender evaluation process as well as specific recommendations for the evaluation.

The term used in this standard "analyzer" refers to a lot of equipment, such as online analyzers, process analyzers, mass analyzer, quality measurement Instrument, monitor process quality, continuous emission monitors, monitor water pollution and health and safety-related process monitor.

When reference to other standards, we should pay attention to industry or local regulations may be mandatory.

Analyzer system technical advice and tender Evaluation Guide

1 Scope

This standard is used to guide to help suppliers understand the technical specifications analyzer and its auxiliary systems, as well as the tender submitted for evaluation.

The standard itself does not involve the design specifications, it has deliberately ignored the Design Guide section. But it should be with reference to specific design criteria related to, for example, Germany State Chemical and Pharmaceutical Industry Association of users of process control technology (NAMUR), Engineering Equipment and Materials Users Association (EEMUA), American Meter Association (ISA) and other standards, IEC/T R61831 technical report is also available as supplementary design guidelines.

This standard provides a technical framework, expected by simplifying technical specifications and bidding process, to provide advice and documents intended for the equipment supplier See related procedures feedback.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

IEC 60079-1 Electrical apparatus for explosive gas atmospheres - Part 1. the flameproof enclosure "d" protection device (Electricalap-paratusforexplosivegasatmospheres-Part 1. Constructionandverificationtestofflameproofenclo-suresofelectricalapparatus) IEC 60079-2

Electrical apparatus for explosive gas atmospheres Part 2. Pressurized enclosures type "p"
(Electrical apparatus for explosive gas atmospheres-Part 2.
Electrical apparatus-Type of protection "P") Electrical apparatus for explosive gas
atmospheres - Part 10 IEC 60079-10. Classification of hazardous areas
(Electrical apparatus for explosive gas atmospheres-Part 10. Classification of Hazardous areas)
IEC 60079-11 Electrical apparatus for explosive gas atmospheres - Part 11. the intrinsically
safe "i" protection equipment (Electrical apparatus for explosive gas atmospheres-Part 11.
Intrinsic Safety "i") IEC 60079-13 Electrical apparatus for explosive gas atmospheres - Part
13. Construction and use of rooms or buildings of positive pressure
(Electrical apparatus for explosive gas atmospheres-Part 13.
Construction and use of rooms or buildings protected by pressurization) IEC 60079-14 Electrical
apparatus for explosive gas atmospheres - Part 14. Electrical installations in hazardous
locations (except coal mines) (Electrical apparatus for explosive gas atmospheres-Part 14.
Electrical installations in hazardous areas (other than mines)) IEC 61082 (all parts) preparation
of documents used in electrotechnology (Preparation of documents used in electrotechnology)
IEC 61285 industrial process control - Analysis of cabin safety
(Industrial process control-Safety of analyser houses) IEC 61355 equipment, systems and
device files and classification codes (Classification and designation of documents for plants,
systems and equipment) IEC 61506 industrial process measurement and control
applications software documentation set (Industrial process measurement and
control-Documentation of application software) IEC/T R61831 online analyzer system design
and installation guide (Guide to the design and installation of on-line analyser systems) ISO 9000
(all parts) quality management and quality assurance standards
(Quality management and quality assurance standards)