ICS 25.040
CCS N 10

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 19892.3-2022

Batch control - Part 3: General and site recipe models and representation

Issued on: October 14, 2022 **Implemented on: May 1, 2023**

Issued by: State Administration for Market Regulation, China National Standardization Administration

Table of Contents

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 of Standardization Documents"

drafted.

This document is part 3 of GB/T 19892 "Batch Control". GB/T 19892 has released the following parts.

--- Part 1.Models and terminology;

--- Part 2.Data structures and language guidelines;

--- Part 3.Generic and field prescription models and representations;

--- Part 4.Batch production records.

This document is equivalent to IEC 61512-3.2008 "Batch Control Part 3.General and Field Prescription Models and Presentations".

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

GB/T 19892 is a standard for batch process and guide batch control, which consists of four parts.

--- Part 1.Models and terminology. The purpose is to establish the model and terminology to be followed for batch control.

--- Part 2.Data structures and language guidelines. The purpose is to describe the data structures and guidelines of the language.

--- Part 3.General and field prescription models and representations. The purpose is to define additional information for generic and field prescriptions.

--- Part 4.Batch production records. The purpose is to provide a reference model for developing applications for storing and/or exchanging batch production records.

Chapter 4 of this document contains more detailed definitions of general and field prescriptions than those of GB/T 19892.1.Chapter 5 defines the general and

A detailed description of the contents of the prescription on site. Chapter 6 defines the data model for the objects and relationships presented in Chapters 4 and 5.Chapter 7 Use

Tabular and graphical representations that define description methods for generic and field prescriptions that can be used for simple and complex process requirements. Chapter 8

Describes what is translated from the generic or field office to the main prescription. Supplementary information is given in the appendix.

Although this document is primarily for batch processes, it can also be referenced for other types of processes.

Batch Control Part 3.Generic and Field Prescriptions

model and presentation

1 Scope

This document defines a generic and field prescription model for batch control and describes the generic and field prescription model within and between companies

use; representations of generic and field prescriptions, and data models for generic and field prescriptions.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to

this document.

GB/T 2900.56-2008 Electrical terminology automatic control (IEC 60050-351.2006, IDT)

GB/T 19892.1-2005 Batch Control Part 1.Models and Terminology (IEC 61512-1.1997, IDT)

GB/T 19892.2-2007 Batch Control Part 2.Data Structure and Language Guidelines (IEC 61512-2.2001, IDT)

GB/T 20720.1-2006 Enterprise Control System Integration Part 1.Models and Terminology (IEC 62264-1.2003, IDT)

GB/T 20720.2-2006 Enterprise Control System Integration Part 2.Object Model Attributes (IEC 62264-2.2004, IDT)

ISO /IEC 19501 Information Technology Open Distributed Processing Unified Modeling Language (UML) Version 1.4.2 [Information

3.1 Terms and Definitions

GB/T 19892.1-2005, GB/T 19892.2-2007 and GB/T 2900.56-2008 as well as the following terms and definitions

applies to this document.

3.1.1

Device-independent prescription equipment-independentrecipe

A prescription type that defines general requirements for a device, rather than being tailored to a device-specific class or specification.

3.1.2

Part of the master recipe used in the conversion of the complete master recipe from a device-independent location.

3.1.3

Graphical representation of device-independent prescriptions as defined in GB/T 19892.3.

3.1.4

product family

A set of output materials related to a manufacturing process or business strategy.

3.1.5

product grades

A collection of similar output materials with different properties.