

ICS 65.160
CCS X 85

YC

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

YC/T 589-2021

**Management requirements for online quality monitoring device
in cigarette production process
(English Translation)**

Issued on: January 1, 1970

Implemented on: January 1, 1970

Issued by: State Tobacco Monopoly Administration

Table of Contents

Preface
Introduction
1 Scope
2 Normative references
3 Terms and Definitions
4 General
4.1 Management Purpose
4.2 Management Architecture
5 Management Requirements
5.1 Planning
5.2 Purchase and acceptance
5.3 Use and Maintenance
5.4 Record
5.5 Evaluation and Improvement
6 General technical requirements
6.1 Classification of monitoring devices
6.2 Configuration Requirements
6.3 Functional Requirements
6.4 Functional Verification Requirements
6.5 Data management requirements
Appendix A (Informative) Example of Configuration List of Online Quality Monitoring Device
Appendix B (informative) Example of the verification method of the missing package detection device for strip packaging
Appendix C (informative) Example
Appendix D (Informative) Example
Appendix E (informative) Example of re-inspection and verification method of historical data of box strip appearance inspection device
Reference

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.

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

Introduction

The online quality monitoring device is a non-calculating device that can monitor the quality of cigarette production in process online and dispose of defective products.

The quantity traceability device has been widely used in the cigarette production process.

In order to make the management of online quality monitoring devices more standardized and effective, and to promote the high-quality development of cigarette production, this document is entitled "Equipment Classification, Management "Physical layering" is the general idea, according to GB 5606 "Cigarette" and "Cigarette Technology Specification" (published by China Light Industry Press in 2016), combined with volume Tobacco production process flow, to further clarify the management requirements and general technical requirements of online quality monitoring devices, to facilitate the development of tobacco industry enterprises in the Standardized management of line quality monitoring devices.

Management requirements for online quality monitoring devices for cigarette production

1 Scope

This document specifies the management requirements for on-line quality monitoring devices for cigarette production in tobacco industry enterprises.

Classification method, configuration requirements, functional requirements, functional verification requirements and data management requirements of online quality monitoring devices in process links.

This document is applicable to guide the management of on-line quality monitoring devices for cigarette production in tobacco industry enterprises.

2 Normative references

There are no normative references in this document.

3 Terms and Definitions

The following terms and definitions apply to this document.

It can monitor the quality of cigarette production in process online, and control, sample, reject, count and other disposal methods of defective products.

Measurement traceability devices.

The ratio (%) of the number of samples actually rejected for a defect in the statistical period to the total samples of the defect that should be rejected.

rejectionerrorrate

The ratio (%) of the samples that should not be rejected in the samples rejected during the normal production period of more than 4h to the total amount of tested samples was counted.

The ratio (%) of the amount of samples actually detected for a certain defect to the total sample amount of the defect that should be detected during the statistical period.

sampling accuracy rate the monitoring device with sampling function, the proportion of the samples that meet the sampling requirements in the samples taken out during the statistical period to the total sampling Rate(%).

4.1 Administrative purposes

Strengthen the management of online quality monitoring devices to ensure the normal operation of online quality monitoring.

4.2 Management Architecture

The online quality monitoring device is organized and managed hierarchically in four levels. management, supervision, maintenance and operation.