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

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**Technical requirements for closed-off management system of
chemical industry park**

化工园区封闭管理系统技术要求

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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 for standardization documents" Drafting is required.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the National Technical Committee for Standardization of Hazardous Chemicals (SAC/TC 251).

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Technical requirements for closed management system in chemical parks

1 Scope

This document specifies the overall requirements, system architecture, information infrastructure, support platform, business applications, and use, safety and security systems.

This document applies to the setting up of closed management systems in chemical parks.

2 Normative references

GB/T 22081

GB/T 22239-2019

GB/T 31488

GB/T 35273

GB/T 39218-2020

GB 50348

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Chemical Industry Park

It is composed of a number of related chemical enterprises, with the development of petrochemical and chemical industries as its orientation, clear geographical boundaries and management entities, and infrastructure.

An industrial area with complete facilities and management systems.

Note. Chemical parks generally include two types. 1) professional chemical parks approved or recognized by relevant departments; 2) A chemical park (zone) that is relatively independently set up in an economic (technological) development zone, a high-tech industrial development zone or other industrial parks.

[Source. GB/T 39218-2020, 3.1]

3.2 closed-off management

Through necessary means such as park enclosure, patrol, booth inspection, video surveillance, etc., the flow of people, logistics and vehicles in and out of the chemical park is strictly controlled.

Standardize the management method that makes the chemical park relatively isolated from the outside world.

4 General requirements

4.1 The closed management system of the chemical park should be classified and controlled according to the core control area, key control area and general control area, and a management and control system should be formulated.

Measures are managed in a hierarchical manner.

4.2 The closed management system of chemical parks should be based on the closed management hardware supporting facilities, and the chemical parks should be managed in a zoned and closed manner to achieve Dynamically monitor the entire process of hazardous chemicals, hazardous wastes, materials, personnel and vehicles entering and leaving the park.

4.3 The closed management system of the chemical park should be connected to the smart chemical park platform and should comply with the provisions of GB/T 39218-2020 and have