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

GB/T 44693.4-2026

**Process stability of hazardous chemical enterprises - Part 4:
Management specification for the start-up process**

危险化学品企业工艺平稳性 第4部分：开工过程管理规范

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document is Part 4 of GB/T 44693 "Process Stability in Hazardous Chemical Enterprises". GB/T 44693 has already published the following... part. --Part

1 Scope

GB/T 44693.4-2026 is the Chinese national standard covering starting a chemical plant up - the phase in which most process incidents happen, because the plant is outside its normal envelope, the interlocks are being bypassed one by one and the operators are doing something they do rarely. Part 4 of the series, first edition, in force since 1 June 2026. It was issued on 27 February 2026 and has been in force since 1 June 2026, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of

the document itself, delivered in full with the English translation.

This document specifies the basic requirements for the start-up management of hazardous chemical production facilities, and the start-up management procedures for newly built/renovated/expanded facilities. Operation management of maintenance and repair equipment and auxiliary technologies for equipment operation. This document applies to the start-up management of newly built, renovated, expanded, and repaired facilities in hazardous chemical production enterprises.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 44693.1 Process Stability of Hazardous Chemical Enterprises - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 44693.1 and GB/T 44693.2, as well as the following terms and definitions, apply to this document.

3.1 Startup The series of activities that transform the equipment from a stopped state to a normal production state and produce the target product.

Note. To better align with the common terminology used by hazardous chemical production companies and avoid semantic ambiguity, the term "starting operations" will be referred to as "starting up operations" in this document. They have the same meaning.

4. Abbreviations The following abbreviations apply to this document. DCS. Distributed Control System HAZOP. Hazard and Operability Study PSSR. Pre-startup safety review SDS. Safety Data Sheet

5 Basic Requirements

The following requirements must be met before starting up a hazardous chemical production facility.

- a) Driving should avoid extreme cold (daily minimum temperature below the minimum design temperature of the equipment), extreme heat (daily maximum temperature above 40°C), typhoons, etc. Extreme weather;
- b) A driving plan should be prepared before driving;