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**Integration of informatization and industrialization management
systems - Guide for digital management of supply chain**

信息化和工业化融合管理体系 供应链数字化管理指南

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Foreword

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The future industrial competition is not only the competition between individual enterprises, but also the competition between industrial chains and supply chains. Currently, the traditional supply chain management In the management mode, there are unbalanced capabilities of each node in the supply chain, many redundant business links, poor demand predictability, insufficient production flexibility, and the whole process of the supply chain. It is difficult to trace back, there are barriers to production, supply and marketing coordination and other pain points, and it has been unable to adapt to the complex and ever-changing competitive environment and the increasingly diversified and personalized market. field demand. Under this background, apply a new generation of information technology and modern management concepts and methods to carry out digital management of the supply chain, optimize and improve The existing supply chain business has become a common choice for enterprises to maintain a sustainable competitive advantage. This document systematically presents enterprise applications from different perspectives such as supply chain planning, role division, business operation, data development, and technology application. A new generation of information technology to carry out supply chain planning, implementation, control and optimization of the method guidelines and guidance recommendations, is to guide enterprises to carry out supply chain data. A basic and comprehensive standard for digital management. Informatization and industrialization integration management system Supply Chain Digital Management Guide

1 Scope

GB/T 23050-2022 is the Chinese national standard on integration of informatization and industrialization management systems - guide for digital management of supply chain, in the field of information technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It

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This document establishes the principles of supply chain digital management, and provides the main view of supply chain digital management and supply chain system design guidelines. South, along with guidance and recommendations for supply chain digital management activities, supply chain risk prediction and disposal, and supply chain performance monitoring and optimization, describe Supply chain digital management platform. This document is suitable for enterprises to carry out supply chain management for digital transformation, and for enterprises engaged in supply chain digital management consulting and technical services Provide reference for third-party institutions, scientific research institutes, etc.

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 23000-2017 Fundamentals and Terminology of Informatization and Industrialization Integrated Management System

3 Terms and Definitions

The terms and definitions defined in GB/T 23000-2017 and the following apply to this document.

3.1 supply chainsupplychain In the production and distribution activities, from the procurement of raw materials, to the production of intermediate products and final products, to the distribution of products and services by the logistics network The process provided to the final customer is a network chain formed by multiple subjects such as suppliers, manufacturers, service providers, distributors, and customers (consumers). structure.

[Source: GB/T 25103-2010, 3.1.1, with modifications]

3.2 Under the integration environment of informatization and industrialization, apply a new generation of information technology and modern management concepts and methods, take value creation as the orientation, Data-driven planning, execution, control and optimization of the entire business process in the supply chain from initial raw materials to final products and services The overall planning and design of the cross-enterprise,

cross-industry and cross-regional business flow, capital flow, logistics and data flow involved in the supply chain Activities and processes related to operations management.

3.3 Enterprises carry out supply chain digital management, digital equipment, software and hardware tools and business support for supply chain planning, execution, control and optimization The general name of the system.

4 Abbreviations

The following abbreviations apply to this document.