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Evaluation requirements of cloud manufacturing service

云制造服务评估要求

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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.

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.

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Cloud Manufacturing Service Assessment Requirements

1 Scope

This document specifies the evaluation model for cloud manufacturing services and proposes different evaluation criteria for each key link of cloud manufacturing services.

Evaluation requirements for key cloud manufacturing services.

This document applies to the assessment of implementing cloud manufacturing services.

2 Normative references

GB/T 29826-2013

GB/T 35586-2017

GB/T 39471-2020

3.1 Terms and Definitions

The terms and definitions defined in GB/T 29826-2013, GB/T 35586-2017 and GB/T 39471-2020 and the following terms and definitions apply in this document.

3.1.1 Cloud Manufacturing

A new network-based, service-oriented intelligent manufacturing model. It integrates and develops existing information manufacturing (information design, production, test, simulation, management, integration) technology and emerging information technologies such as cloud computing, Internet of Things, service computing, and intelligent science will combine various manufacturing resources and Virtualize and service manufacturing capabilities to form a service pool of manufacturing resources and manufacturing capabilities, and conduct unified and centralized optimization management and operation.

Operation, so that users can obtain manufacturing resources and manufacturing capabilities services anytime and anywhere through the network and terminals, and then complete the intelligent Various activities throughout the product life cycle.

[Source. GB/T 29826-2013, 2.1.3]

3.1.2 [Source. GB/T 29826-2013, 2.1.4]

Manufacturing services based on cloud manufacturing technology include demonstration services AaaS, design services DaaS, production and processing services FaaS, Experimental service TaaS, simulation service SimaaS, maintenance and repair service MRaaS, business management service MaaS, integration service InaaS, etc.

3.1.3

Support all kinds of activities in the whole life cycle of products, support the perception and access, virtualization, service, search and management of all kinds of manufacturing resources and manufacturing capabilities