

P2672

Submitter Email: mayy@cesi.cn
Type of Project: New IEEE Standard
PAR Request Date: 15-Oct-2017
PAR Approval Date: 06-Dec-2017
PAR Expiration Date: 31-Dec-2021
Status: PAR for a New IEEE Standard

1.1 Project Number: P2672
1.2 Type of Document: Guide
1.3 Life Cycle: Full Use

2.1 Title: Guide for General Requirements of Mass Customization

3.1 Working Group: Mass Customization Working Group (C/SAB/MC_WG)

Contact Information for Working Group Chair

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None

3.2 Sponsoring Society and Committee: IEEE Computer Society/Standards Activities Board (C/SAB)

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4.1 Type of Ballot: Entity

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 10/2020

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 05/2021

5.1 Approximate number of entities expected to be actively involved in the development of this project: 10

5.2 Scope: This guide provides the definitions, terminologies, operation procedures, system architectures, key technological requirements, data requirements and applications of and related to user-oriented mass customization. This guide provides reference information to be used by manufacturing enterprises for designing and implementing business models of mass customization.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: This guide is intended to assist the manufacturing enterprises in accurately understanding and defining the user demands, as well as reducing or even eliminating their stocks, increasing their profits and accelerating their turnovers in addition to satisfying diversified demands of all their users upon the reduced costs from the large scale production. Meanwhile, this guide can also help, by reversing the diminishing marginal returns, the enterprises to expand their business from selling products to selling services, transiting from product income to value-added income.

5.5 Need for the Project: Product and service end users are increasingly requiring individualized customization of products to meet their various needs. Thus, standards which support mass customization are needed to assist enterprises in realizing real-time and accurate understanding of consumer requirements, to enable enterprises to scale purchase or production based on the requirements of customization, to reduce or eliminate the stock related costs, and to transform from selling products to providing services. These standards will help create efficient and integrated collaboration between the manufacturing industry and its upstream or downstream industries, and promote synergistic development and mutual service arrangements between enterprises and accelerating the upgrade of consumption patterns.

5.6 Stakeholders for the Standard: Manufacturers, Service Suppliers, Network Equipment Manufacturers, Equipment Suppliers, Components

& Parts Suppliers, Solution Providers, Industrial Design Resources, Public Users.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development

Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes: