P2023

Submitter Email: l.stogner@ieee.org
Type of Project: New IEEE Standard
Project Request Type: Initiation / New
PAR Request Date: 08 Feb 2019
PAR Approval Date: 21 Mar 2019
PAR Expiration Date: 31 Dec 2023
PAR Status: Active

1.1 Project Number: P2023
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Digital Transformation Architecture and Framework

3.1 Working Group: Digital Transformation Working Group(IES/IES/DTWG)
    3.1.1 Contact Information for Working Group Chair:
    Name: Clarence Stogner
    Email Address: l.stogner@ieee.org
    3.1.2 Contact Information for Working Group Vice Chair:
    None
3.2 Society and Committee: IEEE Industrial Electronics Society/Industrial Electronics Society Standards Committee(IES/IES)
    3.2.1 Contact Information for Standards Committee Chair:
    Name: Victor Huang
    Email Address: vklhuang@aol.com
    3.2.2 Contact Information for Standards Committee Vice Chair:
    None
    3.2.3 Contact Information for Standards Representative:
    Name: Victor Huang
    Email Address: vklhuang@aol.com
3.3 Co-Stds Committee(s):
    3.3.1 IEEE Consumer Electronics Society/Standards Committee (CES/SC)
    Contact Information for Standards Representative:
    Name: Yu Yuan
    Email Address: yymedia@gmail.com

4.1 Type of Ballot: Entity
4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot: Jun 2020
4.3 Projected Completion Date for Submittal to RevCom: Feb 2021

5.1 Approximate number of entities expected to be actively involved in the development of this project: 10
5.2 Scope of proposed standard: This standard provides an architecture and framework for digital transformation development, usage, implementation and interfaces for applications. The architecture and framework addresses scalability, systems and interfaces, security and privacy challenges for digital transformation applications.

5.3 Is the completion of this standard contingent upon the completion of another standard? No
5.4 Purpose: The purpose of this project is to develop definitions and a protocol for digital transformation implementations for applications.
5.5 Need for the Project: The rapid advances and developments in digital technology and market growth have created the digital transformation that resulted in new and complex challenges in information systems and technology, process automation, cloud computing, robotics, and artificial intelligence. No standards exist for digital transformation.
5.6 Stakeholders for the Standard: Manufacturers discrete and process, service and solution providers, technology developers, end users. Sectors interested in this standard cover a wide range of industries, including entertainment, gaming, consumer, cloud computing, oil, healthcare, telecommunication and manufacturing.

6.1 Intellectual Property
    6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?
No
    6.1.2 Is the Standards Committee 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 Is it the intent to develop this document jointly with another organization? No

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8.1 Additional Explanatory Notes :