P2755.1

Submitter Email: 337coulter@gmail.com
Type of Project: Modify Existing Approved PAR
PAR Request Date: 17-Jan-2019
PAR Approval Date: 21-Mar-2019
PAR Expiration Date: 31-Dec-2021
Status: Modification to a Previously Approved PAR
Root PAR: P2755.1  Approved on: 15-Jun-2017

1.1 Project Number: P2755.1
1.2 Type of Document: Guide
1.3 Life Cycle: Full Use

2.1 Title: Guide for Taxonomy for Intelligent Process Automation
   Changes in title: Taxonomy Guide and Classification for Software-Based Intelligent Process Automation (SBIPA) Product Technology Features and Functionality

3.1 Working Group: Intelligent Process Automation (BOG/CAG/IPA)
Contact Information for Working Group Chair
   Name: Robert Coulter
   Email Address: 337coulter@gmail.com
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Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE-SA Board of Governors/Corporate Advisory Group (BOG/CAG)
Contact Information for Sponsor Chair
   Name: Charles Simpson
   Email Address: rsimpson@gmail.com
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Contact Information for Standards Representative
None

4.1 Type of Ballot: Entity
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 03/2018
4.3 Projected Completion Date for Submittal to RevCom
   Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 03/2019

5.1 Approximate number of entities expected to be actively involved in the development of this project: 20
5.2 Scope: This guide defines a taxonomy and classifies a Software Based Intelligent Process Automation (SBIPA) product's capabilities and features along with its underlying technology for the interested community.
   Changes in scope: This standard defines a taxonomy and classifies a Software Based Intelligent Process Automation (SBIPA) product's capabilities and features along with its underlying technology for the interested community.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This guide creates clarity for all who are involved with SBIPA products so that industry participants may rely on a product manufacturer's functionality claims and understand the underlying technological methods used to produce those functions.
   Changes in purpose: This standard creates clarity for all who are involved with SBIPA products so that industry participants may rely on a product manufacturer's functionality claims and understand the underlying technological methods used to produce those functions.

5.5 Need for the Project: The motivation for this work is to create a Standard establishing product categories and defined functions. This Standard will provide clarity and consistency to industry participants, accelerate collaboration, innovation and adoption.
   An all new family of SBIPA technologies has emerged recently and with significant interest and impact. Over the last five years, rapid global adoption of this new capability is causing disruption.
   In addition to a lack of defined terminology (to be addressed by P2755), there are no standards regarding what a specific SBIPA product does, and what functions it performs.
   Manufacturers, consultants, analysts and practitioners of these technologies add to the confusion using undefined descriptions to state what a
product is, and what it does. Buyers and users of these technologies have no standard by which they can assess a product's relative capabilities. Products implementing SBIPA capabilities range from very complex machine learning systems (such as IBM's Watson) to simple desktop macro recorders. With literally hundreds of new startups making remarkable claims about their products, it is very much a buyer beware situation.

5.6 Stakeholders for the Standard:
- Academics in the field of digital automation
- Makers of digital automation software products
- Buyers and users of digital automation software products
- Consultants interested or active in digital automation
- Third party software integrators interested in the field of digital automation
- Analysts in the fields of shared services, outsourcing, and digitization
- Practitioners of industry application of digital automation
- Multiple IEEE Societies

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: The PAR is being modified that the document is a Guide and the title modified to be more descriptive