2.1 Title: Taxonomy and Classification for Software Based Intelligent Process Automation (SBIPA) Technology


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None

3.2 Sponsoring Society and Committee: IEEE-SA Board of Governors/Corporate Advisory Group (BOG/CAG)

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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.: 08/2018

5.1 Approximate number of entities expected to be actively involved in the development of this project: 20
5.2 Scope: This standard defines a taxonomy and classifies a 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 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: o Academics in the field of digital automation
o Makers of digital automation software products
o Buyers and users of digital automation software products
o Consultants interested or active in digital automation
o Third party software integrators interested in the field of digital automation
o Analysts in the fields of shared services, outsourcing, and digitization
o Practitioners of industry application of digital automation
o Multiple IEEE Societies

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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

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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

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8.1 Additional Explanatory Notes: There is an active project P2755 that will produce a Guide to Concepts Terminology and Nomenclature that is anticipated to be published in July 2017. This project will rely on many of the definitions established in P2755.