

FOR IMMEDIATE RELEASE

PDES, Inc. Announces the establishment of a GitLab capability for its project teams

Dallas, TX – December 6, 2022

PDES has established a GitLab capability for its project teams to collaborate on developing demonstrations of the use of data standards for interoperability. These resources are available to PDES, Inc. teams through the PDES collaboration hub, which provides services and tools to facilitate their work on the model-based standards projects supported by the participants of PDES, Inc.

The first team to use the new GitHub is the Model-Based Systems Engineering (MBSE) team who is using it to support activities using the Model-Based Enterprise Demonstrator Reference Model (MBE Demonstrator RM). The MBE Demonstrator RM does not represent an actual aircraft but contains modeling information that can be used to show how design data relates to Native CAD and ISO 10303 (STEP) models. ISO 10303 is the ISO standard for the exchange of 3D design information ([iso.org](http://iso.org)). The GitHub provides the team with a unique opportunity to model aerospace product data to validate the real-world uses of the STEP standard. The modeling will enable the team to feed information back to standards developers, improving the standards, as well as enabling the team to validate the model against their desired uses of the model.

The team is working with PDES participating companies to provide data that can be publicly released and has no export control requirements to extend the utility of the MBE Demonstration RM. The added components will enable the team to test and validate designs data interoperability across the Requirements, Functional, Logical, and Physical spaces. As the reference model continues to expand and mature Manufacturing Engineering models could provide definition and data for validating data interoperability for the build, inspection, test, and support processes.

Kenny Swope, Chair of ISO/TC 184/SC 4, commented “The new GitLab capability that PDES, Inc. has launched aligns well to the direction that the ISO committee is moving toward with its own standards development. These repositories, coupled with modern methods of collaboration, will enable a quality product in less time for those industrial data users of our standards products.”

Patrick Walsh, PDES TAC Chair, added “While the MBE Demonstrator RM is the first project using the new services, PDES intends to develop and provide collaboration capabilities such as the Gitlab services to further advance the value of industry data standards and the value of PDES participation for doing so.”

PDES, Inc. is a member-based consortium focused on the development and implementation of model-based standards to support the digital enterprise. Founded in 1988, the organization includes members from Industry, Government, and Academia. More information can be found at <https://pdesinc.org/>.

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