**Model Hub – MBSE Sharing platform**

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1. **Introduction**

In the current information age, an unprecedented wealth of data can be found on the public internet. Search engines like Google, or online encyclopaedias, such as Wikipedia, provide a means to find and share knowledge and disseminate information. Services like GitHub and BitBucket provide a means to share source code of software projects with a clear goal of supporting open source communities by providing their services free of charge.

Even with the availability of these services it is difficult to find specific kinds of information, especially quality (MBSE) Models. When performing an online search, using for example Google, for digital models, such as UML, SysML, Capella, ECSS-E-TM-10-25A, ReqIF, Ecore, etc., the results are very disappointing. Models are all over the place, very simplistic, and many times undocumented.

1. **The Model Hub**

The fact that quality models are difficult to find also makes it difficult for newcomers to learn or experienced people to share their knowledge. The Model Hub, an online platform to freely share digital models, aims to overcome these issues. The intention is to create a dedicated place and an online community to share digital models and exchange experiences and ideas. The Model Hub, or MoHu, provides users a means to create accounts, teams and projects. Within a project, a person or a team can upload and download models, provide a description of said models, and engage in an active discussion. Both private and public projects are supported, teams can choose to make their project publicly available or not. The IPR of the models will remain with the authors, with MoHu providing means to associate a license to a model so it is clear to the community under what conditions the models may be distributed and used.

Even though an existing service such as GitHub could be used, this platform is purpose built for sharing source code of software products. In order to promote digital engineering and MBSE a dedicated platform such as the Model Hub can be a great asset to the engineering community. Engineers, students, and organizations can use this platform as a means to promote their capability and share their experience

The current state of the Model Hub is focused on sharing and communicating about the content of the models. In the near future, the Model Hub will be extended to also automatically assess the quality of models, execute rules and analysis based on these models. The Model Hub can be found at <https://modelhub.org>