DE Tool Concept

07 Dec. - 02 Feb. 2019

The objective of this effort was to develop a low-cost digital engineering (DE) application suite by taking advantage of open source, license free software applications. This required the integration of best of breed applications into an architecture that allowed them to work together to promote the use of model based engineering practices across the acquisition lifecycle.

Judging Criteria

- The submission satisfies each of the four objectives: 1. Initial applications that should be considered, 2. Outline the integration concept proposed, 3. Define the process for adding functionality in the future 4. Include maintenance strategy
- Adaptability: does the design support the integration of new tools and capabilities in the future.
- Affordability: does the solution maximize the use of open source software and support the concept of Modular Open Source Architecture (MOSA)
- Cyber Security: does the solution show a path to obtaining an Authority to Operate (ATO) for operation on Government networks.

Challenge Winners

- 1st Place -- Highway Sciences -- $10,000
- 2nd Place -- Carnegie Mellon Software Engineering Institute -- $7,000
- 3rd Place -- Cyberjin -- $5,000
- 4th Place -- Cedric Bellard -- $3,000