AEgis
TECHNOLOGIES

Media Contact:
Georgina L. Chapman
Bid & Proposal Analyst
Business Development
AEgis Technologies Group
256-922-0802 ext. 1588
gchapman@AEgisTG.com
www.AEgisTG.com

For Immediate Release

AEgis Technologies Presents at IEEE/AIAA Conference on NASA M&S

Huntsville, Alabama (March 15, 2010) - AEgis Technologies Group made a presentation in Big Sky, Montana, entitled "The Unique Aspects of Simulation Verification and Validation" at the 2010 Institute of Electrical and Electronics Engineers (IEEE) Aerospace Conference co-sponsored by the American Institute of Aeronautics and Astronautics (AIAA). The development of the publication was a collaborative effort between various civil servant and contractor personnel in support of the Constellation Technical Services Contract. Danny Thomas, AEgis Senior Research Scientist, presented the topic findings and recommendations at the conference.

Models and simulations (M&S) are employed to support important design decisions and verification of system requirements in the development of complex spacecraft. Recognizing the need for critical M&S to be credible for their intended uses, NASA developed a Modeling and Simulation Standard, NASA-STD-7009. This paper analyzes the requirements specified by the standard and its role in test, validation and certification of modeling and simulation software. It discusses simulation validation as a distinct instance of software validation with corresponding unique requirements. For example, simulation-specific validation concerns include: meeting intended uses, validation against experimental data, uncertainty quantification, and sensitivity analysis.

Alexia Joiner, NASA Program Manager with the AEgis Technologies Group Inc., said, "We at AEgis are gratified that NASA has assigned a high-level of importance to M&S as indicated by the adoption of a standard dedicated to modeling and simulation."

About AEgis Technologies Group
AEgis is a privately held small business corporation headquartered in Huntsville, Alabama, that provides advanced technology and expert consulting services to industries throughout the world. AEgis capabilities include Modeling & Simulation software development, training, test support, engineering analysis, hardware design and nanotechnology manufacturing for both government and commercial customers within the United States and internationally.

(more)

Since its founding in 1989, AEgis has been committed to honesty and integrity and has been recognized for its honorable business practices by recently receiving the Better Business Bureau's Torch Ethics Award. The company's highly skilled work force is dedicated to building lasting relationships and providing superior products and services to our customers.

To learn more about AEgis, please visit www.AEgisTG.com.

####