

## DoD Modeling and Simulation

For the past several months, the Department of Defense (DoD) Modeling and Simulation (M&S) community has continued improving the way the Department funds and develops corporate and crosscutting M&S technology at the enterprise level. Among its top priorities is an evolving enterprise M&S approach to investment, development and deployment that meets the needs of its customers, while adapting to new and emerging technology developments. The DoD has also published the “Strategic Vision for Modeling and Simulation” that includes five enterprise-level goals for M&S. The vision and goals are currently incorporated into a draft enterprise-wide business plan called the Corporate and Crosscutting Business Plan (C&CC BP).

The draft C&CC BP is both a top down and bottom up derived business plan using input from management and community business plans to provide an enterprise voice and direction for M&S across all of DoD. The C&CC BP provides a two-year focus looking towards FY 2015 outcomes. The plan also identifies four strategic challenges that are aligned with the QDR 2006 strategic challenges, plus three strategic objectives. The objectives answer: “What are the three areas which we can focus on over the next 24 months that will most improve M&S capabilities within DoD?”

The strategic objectives selected involve standards, interoperability, and visibility. These meet the three decision criteria:

1. Truly “corporate and crosscutting” – recognizing a need across multiple services and communities enabled by M&S
2. Providing potential to drive significant improvement in DOD M&S – if well executed, they will result in real value
3. Offering a foundation for future M&S-enabled community M&S business plans.

The DoD M&S management expects that projects supporting the strategic objective of standards will achieve a set of standards for the development, integration, and conduct of

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DoD modeling and simulation activities. Results from projects for improved interoperability should drive the Department towards integrated modeling and simulation (tools, data, and services) across the spectrum of DoD activities. Finally the outcome from projects supporting visibility will increase the management's capability to discover and reuse modeling and simulation (tools, data, and services) across the Department.

The DoD M&S management has identified and approved nine critical high level tasks and their associated implementation plans. These high level tasks include four supporting the standards objective, three supporting the interoperability objective, and two supporting the visibility objective. The completion of the task implementation plans will provide a basis for the further identification and vetting necessary to allocate resources against the most critical gaps permitting crosscutting M&S capabilities. Completion of these steps will also support development of updated M&S Community Business Plans in FY09 and an updated Corporate and Crosscutting Business Plan in FY10.

The FY 2009/2010 Corporate and Crosscutting Business Plan, through its use of the M&S Strategic Vision, Goals, and Objectives, serves as an important step in furthering a focused, collaborative and adaptive approach to M&S within the Department of Defense. The plan has identified the most pressing modeling and simulation requirements of the Department at this time and indicates the path ahead to meet them through standardized, interoperable, and transparent tools, data and services wherever possible. The results will help balance investments, reduce costs, increase capability, and promote re-use while ensuring an environment focused on commonality of purpose and commitment to the warfighter.