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DoD Modeling & Simulation Education Program

In 1996, Defense Modeling and Simulation Office (DMSO) conducted a Needs Assessment focused on needs of the M&S workforce. The study group recognized the need for formal, sponsored and centrally managed M&S education across the DoD community as essential to expansion and

M&S initiatives and capabilities throughout the DoD, Joint and Service staffs. IST's Performance Technology Group, through a series of contracts with AB Technologies, has been responsible for the design, development, evaluation and joint conduct of a series of educational offerings included in the DMSO's M&S Education Project.

The DMSO course offerings listed below were designed, developed, produced and taught by the Performance Technology Group and AB Technologies beginning with the M&S Staff Officer Course in Nov 97:



M&S Master Plan Objective 6.2

"Managers need to be educated about the advantages and disadvantages of different M&S applications and the functions they support."



proper use of modeling and simulation within military and industrial communities.

The DoD M&S Education Program was established to meet the Master Plan Objective 6.2 and to provide the essential foundation for the practitioners of modeling and simulation in the DoD and in private industry.

DMSO's main objective for these courses is to enhance awareness and knowledge of

The **Modeling and Simulation Staff Officer Course (MSSOC)** targets newly assigned DoD staff officers with little or no M&S experience. The five-day course, offered monthly, provides a broad, entry-level familiarization with M&S policies, organization, programs, activities and key players. It has been conducted both nationally and internationally.

The **Executive Level Orientation (ELO)** course is a 60-90 minute orientation that provides the DoD's senior-decision makers (military and civilian) a broad awareness and appreciation of the capabilities and benefits that achieved through the proper application of M&S. The ELO is presented to senior DMSO staff members only.

Mission: ■ Be a focal point for the expanding modeling and simulation community ■ Develop and conduct M&S research and related services ■ Identify M&S directions and trends ■ Facilitate moving M&S into new areas ■ Be a research and development access point to industry for technology transfer ■ Create and participate in partnerships ■ Provide an environment conducive for student and faculty participation in M&S research and development ■ Provide continuing education services.

The **M&S Orientation** is patterned after the ELO. Presenting the same basic high-level overview, it is targeted at DoD audiences below the flag level and is available in a CD version.

MS101: A Tutorial MS 101 is a half-day tutorial designed to be delivered to large audiences, ideally at conferences, seminars and symposiums. Presenting basic DoD M&S information, it relies heavily on multimedia and enhanced graphics to present the course information. The target audience is newcomers to M&S.

The **Program Management Office M&S Workshop (PMO)** assists the Program Manager (PM) and PM staff in planning for the use of M&S through the product lifecycle. Designed to be taught on location and targeted specifically toward the PM's staff, the Workshop provides DoD M&S information, tools the PM staff can use and sources of M&S information.

NATO M&S Orientation Course (NMSOC) is currently under development. Representing a unilateral US contribution to the new M&S program in NATO, this course is focused on similar goal and audience as the MSSOC. However, as it is designed for a NATO audience it must be relevant to the NATO experience as well as consider language and cultural issues and biases.

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