

Modeling and Simulation Body of Knowledge (MSBOK)

MSBOK: Early Studies

updated by Dr. Tuncer [Ören](#): 2018-02-03

Due to its importance, several studies on M&SBOK preparation have been under way. Some of them are:

Some early efforts were the establishment of a clearinghouse as well as contribution to the MSBOK studies by an avid supporter of the MSBOK studies, i.e., B. Waite (Aegis Docushare). Many Workshops are organized (e.g., Waite and Skinner 2003, Waite 2004).

Fairchild (2002) presented his version of MSBOK by partitioning it in four areas:

- (1) Simuland: What is simulated,
- (2) Purpose: Why it is simulated,
- (3) Technique: How it is simulated (solution method, execution control, interfacing –inputs and outputs–, classical mathematics, and soft computing),
- (4) Programmatics: How it is controlled (technology and management).

Birta published an M&SBOK (Birta, 2003) which sparked a critique by Elzas (Elzas).

Studies elaborating on an “ideal simulationist” such as reports (Madewell and Swain 2003, Rogers 1997) and their critiques also contain valuable information.

M&SBOK - Early Studies

Birta, L.G. (2003). [The Quest for the Modelling and Simulation Body of Knowledge](#). Keynote presentation at the Sixth Conference on Computer Simulation and Industry Applications, Instituto Tecnológico de Tijuana, Mexico, February 19-21, 2003.

Birta, L.G. A Perspective of the Modeling and Simulation Body of Knowledge. *Modeling & Simulation*, vol. 2, number 1, pp. 16-19.

DoD (US Department of Defense) [Modeling and Simulation Body of Knowledge](#) .

Elzas, M.S. The BoK Stops Here. *Modeling and Simulation*, Issue 7.