



**MSCO**  
Modeling & Simulation Coordination Office

# Fact Sheet

Coordinating Corporate & Crosscutting M&S for the U.S. Department of Defense

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## Modeling & Simulation Community of Interest Discovery Metadata Specification

The DoD Net-Centric Data Strategy identifies the goals of making data visible, accessible, and understandable, and also emphasizes that metadata is needed to "facilitate the discovery of data assets." In response to the needs of the Modeling and Simulation (M&S) community, the Modeling and Simulation Coordination Office (M&S CO), has developed extensions to the DoD Discovery Metadata Specification (DDMS) to facilitate the search and discovery of M&S resources. The result is the M&S Community of Interest (COI) Discovery Metadata Specification (MSC-DMS).

The MSC-DMS standardizes a set of metadata elements used to describe resources in Modeling and Simulation Resource Repository (MSRR) nodes and similar applications. It also aligns with the DDMS as part of the Global Information Grid (GIG) and Net-Centric Data Strategy.

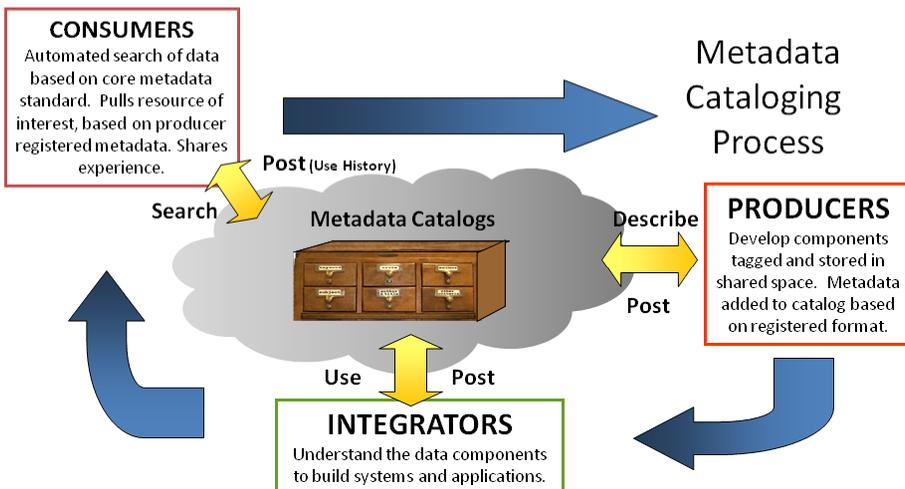
The MSC-DMS enables the DoD M&S Enterprise by supporting government, industry, and academic organizations with the discovery and reuse of metadata assets used for M&S purposes. Stakeholders in the M&S community can be grouped into three general roles: producers, consumers, and integrators.



**Understandable**

M&S resources supported by the MSC-DMS include:

- M&S data – input data in M&S-ready formats and output data produced by models and simulations
- M&S data models - structural metadata for M&S data
- M&S tools – M&S catalog, data loggers, etc
- Software – implementations of a model or simulation
- Software design documents
- M&S services – models and simulations implemented as web services
- Interface specifications



For more information on the MSC-DMS, visit [http://www.msco.mil/resource\\_discovery.html](http://www.msco.mil/resource_discovery.html).