Where we are today

• Developed common data structure to share M&S resources easily
• Populate, display, and maintain M&S resources based on individual Service preferences
• Common system provides easy searching across all repositories
• Access to nearly 2500 resources
The Navy Modeling and Simulation Catalog is part of a DoD-wide system of M&S databases (MSRR) that allows users to discover, access, and obtain M&S resources that support military assessments, training, and acquisition.

**Mission:** To provide leadership and guidance for modeling policy, strategy, investment, and practices; to oversee maintenance of a model repository; to provide technical assistance to model users and developers; to review resource expenditures on new model development; to sponsor initiatives for the community good and to provide centralized coordination of U.S. Navy Modeling and Simulation.

**DISCLAIMER**

This Site is Maintained by the NAVMSMO.

This Government Computer System is provided as a public service by the Navy Modeling and Simulation Management Office (NAVMSMO). It is intended for viewing and retrieving information only. Unauthorized attempts to upload or change information on this service are strictly prohibited and are punishable under the Computer Fraud and Abuse Act of 1986. Unless otherwise indicated, all information on this system is public information and is available to copy or distribute. Links to commercial organizations are provided for user convenience and may include advertisements. This does not...
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<th>View: 1 - 10</th>
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<tr>
<td><strong>Acoustic System Performance Model (ASPM)</strong></td>
<td>Data Source</td>
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<tr>
<td><strong>Sponsor:</strong> Department of the Navy</td>
<td>Modified: 7/2/1998</td>
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**ArchVision**

**Sponsor:** Department of the Navy
Modifed: 7/2/1998

**Attack Submarine Analysis Data Book - ASAD**

**Sponsor:** Department of the Navy

**Summary:** Detailed numerical data to support engineering- and platform-level modeling, of ASW, particularly sonar detection, classification, approach/attack, weapons and countermeasures. Includes threat (Russian and rest-of-world) submarine and ASW surface ship force levels & general characteristics, radiated noise, sonar parameters, target strength; threat weapons maneuvering characteristics, radiated noise, general characteristics; threat ASW aircraft, acoustic and electromagnetic sensors; US submarine data includes force levels & general characteristics, radiated noise, sonar characteristics (self-noise, recognition differential, active source levels, directivity, transfer functions, system loss, tracker characteristics, weapons, countermeasures.

**Backgrounds Center of Expertise**

**Sponsor:** Department of the Navy
Modified: 7/2/1998

**Bottom Conductivity**

**Sponsor:** Department of the Navy
Modified: 7/2/1998

**Computer Aided Embarkation Management System (CAEMS)**

**Sponsor:** Department of the Navy
Modified: 7/2/1998

**Consolidated Low Frequency Bottom Loss (CLFBL)**

**Sponsor:** Department of the Navy
Modified: 7/2/1998
[1 - 10 of 155] What's New: Resources

**View:** 1 - 10  
**Ordered by:** Date

**Axisymmetric/Planar Elastic Structures** - APES  
**Sponsor:** Department of the Navy  
**Modified:** 8/31/1998

**S**earch **A**nd **T**rack **P**rogram - SEATRAP  
**Sponsor:** Department of the Navy  
**Modified:** 8/31/1998  
**Summary:** SEATRAP is an AEGIS AN/SPY-1 Radar Performance model used to evaluate probability of detection, firstrack, clutter and ECM discrimination. Model uses an internal RPO propagation algorithm. Model performs assessment of both AAW and TBM targets.

**Telecomputing Toolbox** - TT  
**Sponsor:** Department of the Navy  
**Modified:** 8/31/1998

**Summary:** Configuration management and system engineering application and database for designing, implementing, and supporting networks and data communications equipment both shipboard and shore-based.

**Multi-Target Effectiveness Determined Under Simulation for AEGIS** - MEDUSA  
**Sponsor:** Department of the Navy  
**Modified:** 8/31/1998

**System Performance Evaluator Comprising Target Radar, Missile** - SPECTRM  
**Sponsor:** NAVSEASYSCOM  
**Modified:** 8/31/1998  
**Summary:** Determines for a single target (vs. time) the performance capability of the AEGIS system in search, detection, transition-to-track, tracking, illumination, and mid-course guidance (SM-2 Block II, III, IIIA, IIIB, IV, IVA) in clear and ECM environments.

**P3 Undata III (AN/ASQ-212) Aircraft Simulation System** - P3C  
**Sponsor:** Board of Integrated Synthesis  
**Modified:** 8/31/1998

**Summary:** The P3 Undata III is a complete combat system for the AEGIS system in search, detection, transition-to-track, tracking, illumination, and mid-course guidance (SM-2 Block II, III, IIIA, IIIB, IV, IVA) in clear and ECM environments.

**Presentation on Multimedia Technology** - Multimedia  
**Sponsor:** Naval Sea Systems Command  
**Modified:** 8/31/1998

**Summary:** Overview of the presentation on Multimedia Technology.

**AIAA-15941** - AIAA  
**Sponsor:** Naval Sea Systems Command  
**Modified:** 8/31/1998

**Summary:** Overview of the presentation on AIAA-15941.
The Army MSRR is part of the DoD-wide Model & Simulation Resource Repository (MSRR). The MSRR promotes interoperability, reuse, and commonality through information sharing and communication throughout the M&S community. A large number of organizations and a significant degree of effort are involved throughout the US Army in leveraging M&S technologies for the execution of Title 10 responsibilities. This site is intended as a guide and directory to Internet information on these activities. Users can locate, access, and obtain M&S resources that support Training, Exercises, & Military Operations (TEM); Advanced Concepts and Requirements (ACR); and Research, Development, and Acquisition (RDA).

The Army Model & Simulation Office (AMSO) hosts the Army MSRR.
A list of organizations affiliated with Army M&S activities.

- Army Materiel Command
- Army Model and Simulation Office
- Chief of Engineers
- Communications-Electronics Command
- Concepts Analysis Agency
- Cost & Economic Analysis Center
- Department of the Army
- Eighth U.S. Army
- Forces Command
- Intelligence and Security Command
- Medical Command
- Military District of Washington
- Military Traffic Management Command
- National Guard Bureau
- Office of the Secretary of Defense
- Office, Chief of Army Reserves
- Operational Test & Evaluation Agency
- Space and Missile Defense Command
- Special Operations Command
- Training & Doctrine Command
- Transportation Command
- U.S. Army Europe & 7th Army
- U.S. Army Pacific Command
- U.S. Army South
- US Army Corps of Engineers
Standard Search

Search within the Army MSRR ONLY

Select or de-select the categories of resources that you'd like to search.

- Data Sources
- Documents
- Model and Simulation
- Organizations
- Related Sites
- Support Tools/Utilities

Search Points of Contact

For system problems or questions, contact the Army MSRR Web Administrator:

whartwd2@hqda.army.mil
Extended Search

Search selected Service Nodes

Search for: [Simulation]

Select or de-select the nodes that you'd like to search.
- Army MSRR (local)
- AFMSRR
- NAW M&S Catalog

For system problems or questions, contact the Army MSRR Web Administrator:
whatwd2@hqda.army.mil
### External Search for: "simulation"

<table>
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<tr>
<th>Proponent</th>
<th>Summary</th>
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| **1-on-N TASM** | Model/Simulation - Navy M&S Catalog  
Proponent: Department of the Navy  
Modified: 12/15/1996  
Summary: No Information provided. |
| **A New Vector** | Reference - AFMSRR  
Proponent: HQ USAF - XOC (Directorate of Command and Control)  
Modified: 12/2/1997  
Summary: A New Vector: Air Force Modeling and Simulation, documents our efforts to date and explains a future direction relying on quality processes, effective people, and a solid infrastructure of models, simulations and data. |
| **Aberdeen Missile Endgame Simulation** | Model and Simulation - Army MSRR  
Proponent: Army Materiel Command (AMC)  
Summary: No Information provided. |
| **Abrams Full Crew Interactive Simulation Trainer** | Model and Simulation - Army MSRR  
Proponent: Training & Doctrine Command (TRADOC)  
Summary: No Information provided. |
| **ACC - TACCSF (Theater Air Command and Control Simulation Facility)** | Organization - AFMSRR  
Proponent: ACC (Air Combat Command)  
Modified: 8/28/1998  
Summary: The Theater Air Command and Control Simulation Facility (TACCSF), located at Kirtland AFB, NM, is a unique facility with high fidelity, warfighter in-the-loop, tactical command and control (C2) and weapon system simulators. |

Opening picture: lock.gif at www.msrr.army.mil
The Air Force Agency for Modeling and Simulation (AFAMS) has the responsibility to implement this Air Force Modeling and Simulation Resource Repository (AFMSRR) as directed by Headquarters Air Force, Director for Command and Control (HQ AF/XOC), serving as the official Air Force node of the DMSO MSRR.

The goal is to provide a single source for information about and access to DoD models, simulations, datasources, algorithms, and other M&S resources in order to facilitate reuse and avoid duplication. Air Force organizations that have existing models, simulations, datasources, algorithms, and other M&S resources are encouraged to register with the AFMSRR using the submission choices on the navigation bar. Maintenance of items within the AFMSRR is the responsibility of the information provider.
What is planned for the future

• Continue populating unclassified MSRR’s
• Classified MSRR
• Interface with other MSRR nodes
• Integrate HLA, ADS, and other programs
Issues

• Develop interface with each MSRR node
• Registration of services resources
• Joint M&S resources (Joint Combat Search and Rescue (JCSAR))
• OSD M&S Resources
• DTIC ?
• BoD Charter