

Patrick H. Mills

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RESEARCH INTERESTS

Military Logistics: Equipping the military with methodologies and tools to address strategic planning challenges. Making Air Force operations more responsive and flexible by using forward support locations. Linking supply, maintenance, and distribution processes to their impacts on military operations. Accurate cost analysis of military forces and operations to enable effective strategic decisionmaking.

EDUCATION

M. S., Industrial Engineering, 1999, Texas Tech University
B. S., Industrial Engineering, 1998, Texas Tech University

POSITIONS HELD

2010-Current Senior Operations Researcher
RAND Corporation, Santa Monica, CA

2006-2010 Operations Research Analyst
RAND Corporation, Santa Monica, CA

1999 – 2006 Associate Operations Research Analyst
RAND Corporation, Santa Monica, CA

1998 - 1999 Research Assistant
Department of Industrial Engineering, Texas Tech University

Summer 1998 Industrial Engineering Intern
Certainteed Air Ventilation Division, Dallas, TX

PUBLICATIONS

Boito, Michael, Thomas Light, Patrick H. Mills, Laura Baldwin, *Managing U.S. Air Force aircraft operating and support costs: insights from recent RAND analysis and opportunities for the future*, Santa Monica, CA: RAND, RR-1077-AF, May 2016.

Leftwich, James, Robert S. Tripp, Amanda Geller, Patrick Mills, Tom LaTourrette, C. Robert Roll, Jr., Cauley von Hoffman, and David Johansen, *A Combat Support Command and Control Architecture for Supporting the Expeditionary Aerospace Force*, Santa Monica, CA: RAND, MR-1536-AF, March 2002.

Lostumbo, Michael. McNerney, Michael J. Peltz, Eric, Eaton, Derek. Frelinger, Dave. Greenfield, Victoria A., Halliday, John M. Mills, Patrick H. Nardulli, Bruce R. Pettyjohn, Stacie. Sollinger, Jerry M. Worman, Stephen M., *Overseas basing of U.S. military forces: an assessment of relative costs and strategic benefits*, Santa Monica, CA: RAND, RR-201-AF, 2013.

Lynch, Kristin F., John G. Drew, and Patrick Mills, *Enhancing Air Force Materiel Command Support to the Warfighter*, Santa Monica, Calif.: RAND Corporation, RR-2255-AF, 2018.

Mills, Patrick, Muharrem Mane, Kenneth Kuhn, Anu Narayanan, James D. Powers, Peter Buryk, Jeremy M. Eckhause, John G. Drew, and Kristin F. Lynch, *Articulating the Effects of Infrastructure Resourcing on*

DO NOT USE FOR PROPOSALS

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Mills, Patrick, Robert S. Tripp, James A. Leftwich, John G. Drew, Jerry M. Sollinger, and Robert G. DeFeo, *Support to the Air Force Installation and Mission Support Center: Enabling AFIMSC's Role in Agile Combat Support Planning, Execution, Monitoring, and Control*, Santa Monica, Calif.: RAND Corporation, RR-1555-AF, 2017.

Mills, Patrick, James A. Leftwich, Kristin Van Abel, and Jason Mastbaum, *Estimating Air Force Deployment Requirements for Lean Force Packages: A Methodology and Decision Support Tool Prototype*, Santa Monica, Calif.: RAND Corporation, RR-1855-AF, 2017

Mills, Patrick H., Drew, John G., Ausink, John A Romano, Daniel M. Costello, Rachel, *Balancing agile combat support manpower to better meet the future security environment*, Santa Monica, CA: RAND, RR-337-AF, 2014.

Mills, Patrick, Amatzia Feinberg, *Evaluation of the RAMPOD Database*, Santa Monica, CA: RAND, DB-318-AF, 2001.

Mills, Patrick, Evers, K, Kinlin, D, Tripp, R, *Supporting Air and Space Expeditionary Forces: Expanded Operational Architecture for Combat Support Execution Planning and Control*, Santa Monica, CA: RAND MG-316-AF, August 2006.

Mills, Patrick Kavanagh, Jennifer Mahnad, Leila Worman, Stephen, *The costs of commitment: cost analysis of overseas U.S. Air Force basing*, Santa Monica, CA: RAND RR-150-AF, March 2013.

Mills, Patrick, Sarah A. Nowak, Peter Buryk, John G. Drew, Christopher Guo, and Raffaele Vardavas, *Increasing Cost-Effective Readiness for the U.S. Air Force by Reducing Supply Chain Variance: Technical Analysis of Flying Hour Program Variance*, Santa Monica, Calif.: RAND Corporation, RR-2118-AF, 2018.

Mills, Patrick, Shlapak, David, Sanchez, Ricardo, Tripp, Robert S., *Combat Support Beyond Iraq: Implications of the Future Security Environment for the USAF*, Santa Monica, CA: RAND, MG-1034-AF. (not cleared for open publication)

Mills, Patrick, Snyder, Don, Adam Resnick, Brent Fulton, *Assessing Capabilities and Risks in Air Force Programming: A Case Study*, Santa Monica, CA: RAND, MG-905-AF, 2010. (not cleared for open publication)

Moroney , Jennifer Mills, Patrick Orletsky, David Thaler, David, *Working with allies and partners: a cost-based analysis of U.S. Air Forces in Europe*, Santa Monica, CA: RAND, TR-1241-AF, October 2012.

Narayanan, Anu, Debra Knopman, James D. Powers, Bryan Boling, Benjamin M. Miller, Patrick Mills, Kristin Van Abel, Katherine Anania, Blake Cignarella, and Connor P. Jackson, *Air Force Installation Energy Assurance: An Assessment Framework*, Santa Monica, Calif.: RAND Corporation, RR-2066-AF, 2017.

Pyles, Raymond, Robert S. Tripp, Kristin F. Lynch, Don Snyder, Patrick Mills, John G. Drew, *A Common Operating Picture for Air Force Materiel Sustainment: First Steps*, Santa Monica, CA: RAND, MG-667-AF, August 2008.

Snyder, Don, Patrick Mills, *A Methodology for Determining Air Force Deployment Requirements*, Santa Monica, CA: RAND, MG-176-AF, August 2004.

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Snyder, Don, Patrick H. Mills, Adam Resnick, Brent Fulton, *Assessing Capabilities and Risks in Air Force Programming: Framework, Metrics, and Methods*, Santa Monica, CA: RAND, MG-815-AF, 2009.

Snyder, D, Mills, P, Comanor, K, *Modeling How Sustainment Efforts Impact Operational Readiness in the Global Positioning System*, Santa Monica, CA: RAND, MG-525-AF, 2007.

Snyder, Don, Patrick Mills, *Air Force Deployments: Estimating the Requirements*, Air Force Journal of Logistics, Vol XXX, No. 2, Maxwell AFB, AL: Summer 2006.

Tripp, R, Lynch, K, Roll, C, Drew, J, Mills, P, *A Framework for Enhancing Airlift Planning and Execution Capabilities Within the Joint Expeditionary Movement System*, Santa Monica, CA: RAND, MG-377-AF, July 2006.

Tripp, Robert S., Patrick Mills, Amanda Geller, C. Robert Roll, Jr., Cauley von Hoffman, David Johansen, and Jim Leftwich, *Combat Support C2 Architecture*, Air Force Journal of Logistics, Vol XXVII, No. 2, Maxwell AFB, AL: Summer 2003.

February 2019