

1. Record Nr.	UNINA9910970039303321
Titolo	Assessment of the U.S. Army Natick Research, Development, and Engineering Center / / Standing Committee on Program and Technical Review of the U.S. Army Natick Research, Development, and Engineering Center, Board on Army Science and Technology, Commission on Engineering and Technical Systems, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1997
ISBN	9786610247073 9781280247071 128024707X 9780309596862 0309596866 9780585084442 0585084440
Edizione	[1st ed.]
Descrizione fisica	1 online resource (201 p.)
Disciplina	355/.07/0973
Soggetti	Military research - Massachusetts - Natick Military engineering - Massachusetts - Natick
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 159-160).
Nota di contenuto	Assessment of the U.S. Army Natick Research, Development and Engineering Center -- Copyright -- Preface -- Contents -- Acronyms -- Executive Summary -- BACKGROUND -- APPROACH -- MAJOR FINDINGS -- MAJOR CONCLUSIONS AND RECOMMENDATIONS -- Commodity Directorates and the Pillars -- Support Directorates -- Budget Shortfalls -- Research and Technology Programs -- Opportunities for Reengineering -- ORGANIZATION OF THE REPORT -- 1 Introduction -- BACKGROUND -- STATEMENT OF TASK -- Pillars and Characteristics -- Ten Key Issues -- STUDY APPROACH -- OVERVIEW OF THE NATICK RDEC -- Internal Organizational Structure, Visions, and Missions -- Mobility Directorate -- Survivability Directorate -- Sustainability Directorate -- Support Directorates -- Summary -- 2

Assessment of the Commodity Directorates -- ASSESSMENT PROCESS
-- Mobility Directorate -- Survivability Directorate -- Sustainability
Directorate -- RESOURCES AND CAPABILITIES PILLAR -- Personnel
Quality -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Budget --
Mobility Directorate -- Survivability Directorate -- Sustainability
Directorate -- Commodity Directorates -- RD& E Capabilities,
Skills, and Talents -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Use of External
Resources -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Important
Technologies -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Organizational
Climate -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Information
Technology -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate.
Commodity Directorates -- Facilities and Infrastructure -- Mobility
Directorate -- Survivability Directorate -- Sustainability Directorate --
Commodity Directorates -- Overall Assessment of the Resources And
Capabilities Pillar -- STRATEGIC VISION PILLAR -- Alignment of Vision
and Mission3 -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Strategic
Planning4 -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Stakeholder
Buy-In -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Leadership --
Mobility Directorate -- Survivability Directorate -- Sustainability
Directorate -- Commodity Directorates -- Site Visit In 1997 -- Overall
Assessment of the Strategic Vision Pillar -- QUALITY FOCUS PILLAR --
Capacity for Breakthroughs -- Mobility Directorate -- Survivability
Directorate -- Sustainability Directorate -- Commodity Directorates --
Continuous Improvement -- Mobility Directorate -- Survivability
Directorate -- Sustainability Directorate -- Commodity Directorates --
Commitment to Quality -- Mobility Directorate -- Survivability
Directorate -- Sustainability Directorate -- Commodity Directorates --
Structured Processes -- Mobility Directorate -- Survivability Directorate
-- Sustainability Directorate -- Commodity Directorates -- Learning
Environment -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Quality of
Research -- Mobility Directorate -- Survivability Directorate --
Sustainability Directorate -- Commodity Directorates -- Overall
Assessment of the Quality Focus Pillar -- CUSTOMER FOCUS PILLAR --
Customer Satisfaction -- Mobility Directorate -- Survivability
Directorate -- Sustainability Directorate.
Commodity Directorates -- Customer Involvement -- Mobility
Directorate -- Survivability Directorate -- Sustainability Directorate --
Commodity Directorates -- Market Diversification -- Mobility
Directorate -- Survivability Directorate -- Sustainability Directorate --
Commodity Directorates -- Overall Assessment of the Customer Focus
Pillar -- VALUE CREATION PILLAR -- Proper Portfolio -- Mobility
Directorate -- Survivability Directorate -- Sustainability Directorate --
Commodity Directorates -- Product Performance -- Mobility
Directorate -- Survivability Directorate -- Sustainability Directorate --
Commodity Directorates -- Cycle Time and Responsiveness -- Mobility
Directorate -- Survivability Directorate -- Sustainability Directorate --
Commodity Directorates -- Value of Work in Progress -- Mobility
Directorate -- Survivability Directorate -- Sustainability Directorate --

Commodity Directorates -- Overall Assessment of the Value Creation Pillar -- SUMMARY -- 3 Assessment of the Support Directorates -- ASSESSMENT PROCESS -- SCIENCE AND TECHNOLOGY DIRECTORATE -- Resources and Capabilities Pillar -- Personnel Quality -- Budget -- RD& -- E Capabilities, Skills, Talents -- Use of External Resources -- Important Technologies -- Organizational Climate -- Information Technology -- Facilities and Infrastructure -- Overall Assessment -- Strategic Vision Pillar -- Alignment of Vision and Mission -- Strategic Planning -- Stakeholder Buy-In -- Leadership -- Overall Assessment -- Quality Focus Pillar -- Capacity for Breakthroughs -- Continuous Improvement -- Commitment to Quality -- Structured Processes -- Learning Environment -- Quality of Research -- Overall Assessment -- Customer Focus Pillar -- Customer Satisfaction -- Customer Involvement -- Market Diversification -- Overall Assessment -- Value Creation Pillar -- Proper Portfolio -- Product Performance.

Cycle Time and Responsiveness -- Value of Work in Progress -- Overall Assessment -- Summary -- ADVANCED SYSTEMS CONCEPTS DIRECTORATE -- Resources and Capabilities Pillar -- Personnel Quality -- Budget -- RD& -- E Capabilities, Skills, Talents -- Use of External Resources -- Important Technologies -- Organizational Climate -- Information Technology -- Facilities and Infrastructure -- Overall Assessment -- Strategic Vision Pillar -- Alignment of Vision and Mission -- Strategic Planning -- Stakeholder Buy-In -- Leadership -- Overall Assessment -- Quality Focus Pillar -- Capacity for Breakthroughs -- Continuous Improvement -- Commitment to Quality -- Structured Processes -- Learning Environment -- Quality of Research -- Overall Assessment -- Customer Focus Pillar -- Customer Satisfaction -- Customer Involvement -- Market Diversification -- Overall Assessment -- Value Creation Pillar -- Proper Portfolio -- Product Performance -- Cycle Time and Responsiveness -- Value of Work in Progress -- Overall Assessment -- Summary -- 4 The Ten Key Issues -- ORGANIZATION AND RESOURCES -- Issue 1. -- Commodity Directorates -- Support Directorates -- Issue 2. -- Commodity Directorates -- Support Directorates -- Issue 3. -- Commodity Directorates -- Support Directorates -- Issue 4. -- QUALITY AND CUSTOMER SATISFACTION -- Issue 5. -- Commodity Directorates -- Support Directorates -- Issue 6 (i). -- Commodity Directorates -- Support Directorates -- Issue 6 (ii). -- Commodity Directorates -- Support Directorates -- Commodity Directorates -- Support Directorates -- Issue 7. -- Commodity Directorates -- Support Directorates -- RESEARCH AND TECHNOLOGY -- Issue 8. -- Commodity Directorates -- Support Directorates -- Issue 9. -- Commodity Directorates -- Support Directorates -- Issue 10. -- Commodity Directorates -- Support Directorates -- 5 Conclusions and Recommendations.

COMMODITY DIRECTORATES AND THE PILLARS -- Strategic Vision Pillar -- Resources and Capabilities Pillar -- Quality Focus Pillar -- SUPPORT DIRECTORATES -- BUDGET SHORTFALLS -- RESEARCH AND TECHNOLOGY PROGRAMS -- OPPORTUNITIES FOR REENGINEERING -- References -- Appendices -- Appendix A Precursory Documents for the Statement of Task -- Plan of Action -- Statement of Task -- Section C -- Appendix B Meetings and Visits -- Appendix C Excerpts from the Phase-One Report -- Executive Summary -- Background and Approach -- World-Class Research and Development -- World-Class Army Research, Development, and Engineering -- Characteristics and Metrics -- Customer Focus Pillar -- Resources and Capabilities Pillar -- Strategic Vision Pillar -- Value Creation Pillar -- Quality Focus Pillar -- Measuring the Characteristics -- Conclusions and Recommendations.

